



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## A G E N D A

### MEETING, SEPTEMBER 6, 2019

A meeting of the South Coast Air Quality Management District Board will be held at 9:00 AM, in the Auditorium at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California.

<b>Questions About an Agenda Item</b>	<ul style="list-style-type: none"> <li>Vj g'pco g'cpf "vgr j qpg'pwo dgt "qh'vj g'cr r tqr tlcvg'wchh'r gtupq'vq ecm'cf f kkpnc'phqto c'kqp'qt "vq'tguqrg"eqpegtpu'ku'kugf "hqt'gcej ci gpf c'kgo 0</li> <li>Kp'r tgr c'ekqp'hqt'vj g'o ggkpi . "{ qw'ctg"geqwtci gf "vq'qdvclp'y j cvxgt erctkh'kpi "kphqto c'kqp'o c{ 'dg'pggf gf "vq'cmqy "vj g'Dqctf "vq'o qxg gzt gf kkpwn' "kp'ku'f gkdgtc'kqp0</li> </ul>
<b>Meeting Procedures</b>	<ul style="list-style-type: none"> <li>Vj g'r wdrle'o ggkpi "qh'vj g'Uqwj "Eqcu'CS O F 'I qxgtplpi "Dqctf dgi kpu'cv'; &lt;22" c0 0Vj g'I qxgtplpi "Dqctf 'i gpgtcm' 'y kn'eqpukf gt kgo u'lp'vj g'qtf gt "kugf "qp'vj g'ci gpf c0J qy gxgt. "cp{ 'kgo "o c{ 'dg eqpukf gtgf "kp'cp{ "qtf gt0</li> <li>Chgt'cnkpi "ce'kqp'qp'cp{ 'ci gpf c'kgo "pqv'tgs wtkpi "c'r wdrle'j gctkpi . vj g'Dqctf "o c{ 'tgeqpukf gt'qt'co gpf "vj g'kgo "cv'cp{ "ko g'f wtkpi "vj g o ggkpi 0</li> </ul>
<b>Questions About Progress of the Meeting</b>	<ul style="list-style-type: none"> <li>F wtkpi "vj g'o ggkpi . "vj g'r wdrle'o c{ 'ecm'vj g'Ergtm'qh'vj g'Dqctf au Qh'leg'cv'; 2; +5; 8/4722'hqt'vj g'pwo dgt "qh'vj g'ci gpf c'kgo "vj g'Dqctf ku'ewtgpv' "f kuewukpi 0</li> </ul>

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the Board meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please telephone the Clerk of the Boards Office at (909) 396-2500 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

All documents (i) constituting non-exempt public records, (ii) relating to an item on the agenda, and (iii) having been distributed to at least a majority of the Governing Board after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District Clerk of the Board's Office, 21865 Copley Drive, Diamond Bar, CA 91765.

**A webcast of the meeting is available for viewing at:**  
<http://www.aqmd.gov/home/news-events/webcast>

*Cleaning the air that we breathe...*



## **CALL TO ORDER**

- Pledge of Allegiance
- Opening Comments: William A. Burke, Ed.D., Chair  
Other Board Members  
Wayne Nastri, Executive Officer
- Presentation of Retirement Award to Dr. Laki Tisopulos **Burke**

---

Staff/Phone (909) 396-"

## **CONSENT CALENDAR (Items 1 through 14)**

Note: Consent Calendar items held for discussion will be moved to Item No. 15

1. Approve Minutes of July 12, 2019 Board Meeting **Garzaro/2500**

### **Budget/Fiscal Impact**

2. Recognize Funds, Execute and Amend Agreements for Installation and Maintenance of Air Filtration Systems, and Reimburse General Fund for Administrative Costs **Miyasato/3249**

U.S. EPA is executing a Supplemental Environmental Project (SEP) and has asked South Coast AQMD to act as the SEP administrator to install and maintain air filtration systems at schools in environmental justice communities. This action is to recognize up to \$167,967 into the Air Filtration Fund (75). These actions are to also execute agreements to install and maintain air filtration systems in an amount not to exceed \$159,569, execute or amend access agreements with local school districts, amend contracts to purchase additional filters using unspent administrative funds, and reimburse the General Fund for administrative costs up to \$8,398 for SEP administration. (Reviewed: Technology Committee, July 26, 2019; Recommended for Approval)

3. Amend Contract for KORE Infrastructure Project **Miyasato/3249**

In March 2017, the Board approved a contract with KORE Infrastructure LLC (KORE) for a renewable natural gas commercial field test project, including construction of a pyrolysis system on SoCalGas's property in Los Angeles. The project is to test various biomass feedstocks for commercial production of renewable natural gas. While the project has experienced construction delays over the past few months, KORE has recently made significant progress towards construction. This action is to amend the contract with KORE Infrastructure LLC, extending the deadline to complete construction, commissioning and testing efforts to December 31, 2019. (No Committee Review)

4. **Adopt Resolution Recognizing Funds for FY 2018-19 Carl Moyer State Reserve Program** **Berry/2363**

In April 2019, CARB approved funding allocations for the FY 2018-19 Carl Moyer State Reserve Program using the same distribution and source categories as the previous year. The allocation for the South Coast AQMD is \$3,481,893, including 6.25% in administrative funds. The State Reserve funds must be used for off-road projects including construction, agricultural and industrial equipment that are eligible according to the 2017 Revisions of the Carl Moyer Program Guidelines. This action is to adopt a Resolution recognizing up to \$3.5 million in Carl Moyer State Reserve funds from CARB along with its terms and conditions for FY 2018-19. (Reviewed: Technology Committee, July 26, 2019; Recommended for Approval)

5. **Appropriate Funds and Amend Contracts for Legislative Representation in Sacramento, California** **Alatorre/3122**

After careful review of services that the state legislative consultants provide to South Coast AQMD, staff recommends that California Advisors, LLC and Quintana Watts & Hartmann receive an increase in their contract amount to place them at the same compensation level as the other state legislative consultant – Joe A. Gonsalves & Son. These actions are to appropriate \$79,000 from the General Fund, Undesignated Fund Balance, to the Legislative, Public Affairs & Media FY 2019-20 budget; and modify the contracts, with an increase of \$39,500 each, for California Advisors, LLC and Quintana Watts & Hartmann. (Reviewed: Administrative Committee, July 19, 2019; Recommended for Approval)

6. **Amend Contract to Implement Advanced Building Energy Management Projects** **Olvera/2309**

In October 2017, the Board approved a contract with Willdan Energy Solutions to implement pre-commercial efficiency projects for the South Coast AQMD building. These projects are being funded through a \$3,994,265 CEC award to Willdan Energy Solutions, and \$2,293,645 from South Coast AQMD. Additional funds are needed for new and contingency costs for the replacement of the building chillers and laboratory fume hood retrofits. In addition to providing much needed building upgrades, these projects will increase the efficiency of the building by over 20 percent, and provide a case study and showcase for new building infrastructure technologies. This action is to amend a contract with Willdan Energy Solutions to implement pre-commercial efficiency projects for the South Coast AQMD building in an amount not to exceed \$665,000 from the Infrastructure Improvement Fund (02). (Reviewed: Administrative Committee, July 19, 2019; Recommended for Approval)

"

7. Approve Contract Awards and Modifications as Approved by MSRC **McCallon**

"

"

As part of their FYs 2018-21 Work Program, the MSRC approved a contract for programmatic outreach services for the MSRC, approved an award to provide express bus service to the Orange County Fair in 2019 and 2020, and approved exercising the contract option with Geographics for continuation of website services for two more years. As part of their FYs 2014-16 Work Program, the MSRC approved a modification to a contract under the Local Government Match Program. At this time the MSRC seeks Board approval of the contract awards and modifications as part of the FYs 2014-16 and 2018-21 Work Programs. (Reviewed: Mobile Source Air Pollution Reduction Review Committee, June 20 and August 15, 2019; Recommended for Approval)

"

"

"

**Action Item/No Fiscal Impact**

"

8. Request Approval of Proposed Membership Rosters for AQMP Advisory Group and Scientific, Technical, and Modeling Peer Review Advisory Group **Rees/2856**

"

"

Staff is recommending membership for the AQMP Advisory Group and the Scientific, Technical, and Modeling Peer Review (STMPR) Advisory Group for a new four-year term. The current term of these Advisory Groups has expired, and they are needed to assist staff in the development of the 2022 AQMP. Staff is recommending a four-year membership term because of the length of the 2022 AQMP schedule. The AQMP Advisory Group is comprised of representatives from environmental/community groups, government agencies, academia, and business; and the STMPR Advisory Group includes experts in the fields of socioeconomic modeling, air quality modeling, air quality and meteorological monitoring, and atmospheric science. These Advisory Groups will review and make recommendations to staff regarding the implementation of the 2016 AQMP and development of the 2022 AQMP. This action is to seek approval of the proposed membership rosters for the AQMP and STMPR Advisory Groups. (No Committee Review)

"

"

"

**Items 9 through 14 - Information Only/Receive and File"**

"

9. Legislative, Public Affairs, and Media Report **Alatorre/3122**

"

"

This report highlights the June and July 2019 outreach activities of the Legislative, Public Affairs and Media Office, which includes: Major Events, Community Events/Public Meetings, Environmental Justice Update, Speakers Bureau/Visitor Services, Communications Center, Public Information Center, Business Assistance, Media Relations and Outreach to Business and Federal, State, and Local Government. (No Committee Review)

"

"

10. Hearing Board Report **Prussack/2500**

"

"

This reports the actions taken by the Hearing Board during the period of June 1 through July 31, 2019. (No Committee Review)

"

11. Civil Filings and Civil Penalties Report **Gilchrist/3459**
- This reports the monthly penalties from June 1 through June 30, 2019, and legal actions filed by the General Counsel's Office from June 1 through June 30, 2019. An Index of South Coast AQMD Rules is attached with the penalty report. (No Committee Review)
12. Lead Agency Projects and Environmental Documents Received **Nakamura/3105**
- This report provides, for the Board's consideration, a listing of CEQA documents received by the South Coast AQMD between June 1, 2019 and July 31, 2019, and those projects for which the South Coast AQMD is acting as lead agency pursuant to CEQA. (No Committee Review)
13. Rule and Control Measure Forecast **Fine/2239**
- This report highlights South Coast AQMD rulemaking activities and public hearings scheduled for 2019. (No Committee Review)
14. Status Report on Major Ongoing and Upcoming Projects for Information Management **Moskowitz/3329**
- Information Management is responsible for data systems management services in support of all South Coast AQMD operations. This action is to provide the monthly status report on major automation contracts and planned projects. (Reviewed: Administrative Committee, July 19, 2019)
15. Items Deferred from Consent Calendar

## **BOARD CALENDAR**

*Note: The July meetings of the Legislative and Mobile Source Committees were canceled. The next regular meeting of the Legislative Committee is scheduled for September 13, 2019. The next regular meeting of the Mobile Source Committee is scheduled for September 20, 2019.*

16. Administrative Committee (Receive & File) **Chair: Burke Nastri/3131**
17. Refinery Committee **Chair: McCallon Nakamura/3105**
- At the February 1, 2019 Board meeting, staff presented hazards, and key issues related to the use of hydrogen fluoride. The Board directed staff to work with both the community and industry over the next 90 days to reach resolution, present proposals to the Refinery Committee for review, with the Committee making recommendations to the full Board. Staff provided an update to the Refinery Committee on Saturday, June 22, 2019. This item includes a summary of the meeting and recommendations from the Refinery Committee. Subsequent to the meeting, both affected refineries sent letters stating their willingness to install additional mitigation measures that are designed to provide additional protection relating to the use of hydrogen fluoride, without the need for rulemaking or a memorandum of understanding. Copies of these letters are attached to the Refinery Committee Board Letter. The Board may take action on, and provide direction to staff, concerning these issues.

- |     |   |                       |                |
|-----|---|-----------------------|----------------|
| 18. | Stationary Source Committee (Receive & File)                            | Chair: Benoit         | Dejbakhsh/2618 |
| 19. | Technology Committee (Receive & File)                                   | Chair: Buscaino       | Miyasato/3249  |
| 20. | Mobile Source Air Pollution Reduction Review Committee (Receive & File) | Board Liaison: Benoit | Berry/2363     |
| 21. | California Air Resources Board Monthly Report (Receive & File)          | Board Rep: Mitchell   | Garzaro/2500   |

**Staff Presentation/Board Discussion"**

- |     |   |            |
|-----|---|------------|
| 22. | Recommend Communities for Year 2 Implementation for Assembly Bill 617 | Ghosh/2582 |
|-----|---|------------|

Assembly Bill (AB) 617 requires CARB, in consultation with air districts, to select communities for community air monitoring and/or the preparation of community emissions reduction programs. AB 617 specifies that the highest priority areas shall be disadvantaged communities with a high cumulative exposure burden for criteria pollutants and/or toxic air contaminants. Staff built on the technical evaluation and public process from the prior year, and has conducted additional public outreach and gathered community input to help prioritize two communities for Year 2 of this program. The first proposed community is the South East Los Angeles community of South Gate, Florence-Firestone (eastern portion), Walnut Park, Huntington Park (western portion), Cudahy, Bell Gardens (southern portion). The second proposed community is the Eastern Coachella Valley community of Indio, Coachella, Thermal, Oasis, Mecca, North Shore. This action seeks approval to submit recommendations to CARB for their consideration in selecting communities for the second-year implementation of AB 617. (Reviewed: Stationary Source Committee, July 26, 2019)

- |     |  |                |
|-----|--|----------------|
| 23. | Status Report on Regulation XIII – New Source Review | Dejbakhsh/2618 |
|-----|--|----------------|
- This report presents the federal Final Determination of Equivalency for January 2017 through December 2017. It provides information regarding the status of Regulation XIII – New Source Review, in meeting federal NSR requirements and shows that South Coast AQMD's NSR program is in compliance with applicable federal requirements from January 2017 through December 2017. (No Committee Review)



## **PUBLIC HEARINGS**

24. Certify Final Environmental Assessment and Amend Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations **Nakamura/3105**

***Staff is recommending that the public hearing on this item be continued to the October 4, 2019 Board Meeting.***

Proposed Amended Rule 1407 applies to non-chromium metal melting operations and revises emission standards. In addition, the proposed amended rule enhances monitoring provisions for pollution control equipment, adds building enclosure provisions to limit fugitive emissions, and updates housekeeping, source testing, and monitoring, recordkeeping, and reporting requirements. This action is to adopt the Resolution: 1) Certifying the Final Environmental Assessment for Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations; and 2) Amending Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations. (No Committee Review)

- 25A. Determine That Community Emissions Reduction Plan for San Bernardino, Muscoy Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plan Per Assembly Bill 617 **Ghosh/2582**

Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs. This action is to: 1) Determine that the AB 617 CERP for the San Bernardino, Muscoy community is exempt from the California Environmental Quality Act; and 2) Adopt the AB 617 CERP for the San Bernardino, Muscoy community. (Reviewed: Stationary Source Committee, July 26, 2019)

- "
- 25B. Determine That Community Emissions Reduction Plan for East Los Angeles, Boyle Heights, West Commerce Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plan Per Assembly Bill 617 Ghosh/2582
- "

Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs. This action is to: 1) Determine that the AB 617 CERP for the East Los Angeles, Boyle Heights, West Commerce community is exempt from the California Environmental Quality Act; and 2) Adopt the AB 617 CERP for the East Los Angeles, Boyle Heights, West Commerce community. (Reviewed: Stationary Source Committee, July 26, 2019)

"

"

- 25C. Determine That Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plans Per Assembly Bill 617 Ghosh/2582
- "

Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs. This action is to: 1) Determine that the AB 617 CERP for the Wilmington, Carson, West Long Beach community is exempt from the California Environmental Quality Act; and 2) Adopt the AB 617 CERP for the Wilmington, Carson, West Long Beach community. (Reviewed: Stationary Source Committee, July 26, 2019)

"

"

26. Receive and File 2018 Annual Report on AB 2588 Program and Approve Updates to Facility Prioritization Procedure Rees/2856
- "

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) requires local air pollution control districts to prepare an annual report. The report provides the public with information regarding South Coast AQMD programs to reduce emissions of toxic air contaminants. This annual update describes the various activities in 2018 to satisfy the requirements of AB 2588 and Rule 1402, such as quadrennial emissions reporting and prioritization, the preparation and review of Air Toxics Inventory Reports, Health Risk Assessments, Voluntary Risk Reduction Plans, Risk Reduction Plans, and additional South Coast AQMD activities related to air toxics. Staff is also proposing revisions to the Facility Prioritization Procedure to correct minor transcription errors. These actions are to receive and file the 2018 Annual Report on the AB 2588 Air Toxics "Hot Spots" Program and approve revisions to the Facility Prioritization Procedure. (No Committee Review)

"

"

**PUBLIC COMMENT PERIOD – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)**

**BOARD MEMBER TRAVEL – (No Written Material)**

Board member travel reports have been filed with the Clerk of the Boards, and copies are available upon request.

**CLOSED SESSION - (No Written Material)**

Gilchrist/3459

"

" CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION "

It is necessary for the Board to recess to closed session pursuant to Government Code sections 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the SCAQMD is a party. The actions are:

- In the Matter of SCAQMD v. Aerocraft Heat Treating Co., Inc. and Anaplex Corp., South Coast AQMD Hearing Board Case No. 6066-1 (Order for Abatement);
- SCAQMD v. Anaplex, Los Angeles Superior Court Case No. BC608322 (Paramount Hexavalent Chromium);
- In the Matter of SCAQMD v. Browning-Ferris Industries of California, Inc. dba Sunshine Canyon Landfill, South Coast AQMD Hearing Board Case No. 3448-14;
- Communities for a Better Environment v. SCAQMD, Los Angeles Superior Court Case No. BS161399 (RECLAIM);
- Communities for a Better Environment v. South Coast Air Quality Management District, Court of Appeals, Second Appellate District, Case No. B294732;
- People of the State of California, ex rel. SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528;
- In re: Exide Technologies, Inc., U.S. Bankruptcy Court, District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy Case); Delaware District Court, Case No.: 19-00891 (Appellate Case);
- In the Matter of SCAQMD v. Southern California Gas Company, Aliso Canyon Storage Facility, South Coast AQMD Hearing Board Case No. 137-76 (Order for Abatement); People of the State of California, ex rel SCAQMD v. Southern California Gas Company, Los Angeles Superior Court Case No. BC608322; Judicial Council Coordinated Proceeding No. 4861;
- In the Matter of SCAQMD v. Torrance Refining Company, LLC, South Coast AQMD Hearing Board Case No. 6060-5 (Order for Abatement);
- State of California, et al. v. U.S. EPA, et al., U.S. Court of Appeals, D.C. Circuit, Case No. 18-1114 (mid-term evaluation for light-duty vehicles);
- People of the State of California, ex rel South Coast Air Quality Management District v. The Sherwin-Williams Company, an Ohio Corporation, and Does 1 through 50, Inclusive, Los Angeles Superior Court Case No. PSCV 00136; and

"

- SCAQMD v. City of Moreno Valley, et al., Riverside County Superior Court, Case Nos. RIC 1511213 and RIC 1601988 (World Logistics Center); Center for Community Action and Environmental Justice, et al. v. City of Moreno Valley, et al., California Court of Appeal, Fourth District, Div. 2, Case No. E067200; Albert Paulek, et al v. City of Moreno Valley, et al, California Court of Appeal, Fourth District, Div. 2, Case No. E071184.

#### CONFERENCE WITH LEGAL COUNSEL – INITIATING LITIGATION

It is also necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(a) and 54956.9(d)(4) to consider initiation of litigation (two cases).

Seek leave to intervene in Association of Irrigated Residents v. U.S. EPA, Ninth Circuit No. 19-71223 (SVJ 8-hr ozone).

#### CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Also, it is necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(d)(2) to confer with its counsel because there is a significant exposure to litigation against the SCAQMD (two cases).

Letter from Steven J. Olson, O'Melveny & Myers LLP, on behalf of ExxonMobil Corporation, dated August 22, 2018.

Email from Somerset Perry, California Deputy Attorney General, dated March 13, 2019, regarding Notice of Violation P61321.

"

"

#### **ADJOURNMENT**

#### **\*\*\*PUBLIC COMMENTS\*\*\***

Members of the public are afforded an opportunity to speak on any agenda item before consideration of that item. Please notify the Clerk of the Board, (909) 396-2500, if you wish to do so. All agendas are posted at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the meeting. At the end of the agenda, an opportunity is also provided for the public to speak on any subject within the South Coast AQMD's authority. Speakers will be limited to a total of three (3) minutes for the Consent Calendar and Board Calendar and three (3) minutes or less for other agenda items.

Note that on items listed on the Consent Calendar and the balance of the agenda any motion, including action, can be taken (consideration is not limited to listed recommended actions). Additional matters can be added and action taken by two-thirds vote, or in the case of an emergency, by a majority vote. Matters raised under the Public Comment Period may not be acted upon at that meeting other than as provided above.

Written comments will be accepted by the Board and made part of the record, provided 25 copies are presented to the Clerk of the Board. Electronic submittals to [cob@aqmd.gov](mailto:cob@aqmd.gov) of 10 pages or less including attachment, in MS WORD, PDF, plain or HTML format will also be accepted by the Board and made part of the record if received no later than 5:00 p.m., on the Tuesday prior to the Board meeting.

"

## ACRONYMS

AQ-SPEC = Air Quality Sensor Performance  
Evaluation Center  
AQIP = Air Quality Investment Program  
AQMP = Air Quality Management Plan  
AVR = Average Vehicle Ridership  
BACT = Best Available Control Technology  
BARCT = Best Available Retrofit Control Technology  
Cal/EPA = California Environmental Protection Agency  
CARB = California Air Resources Board  
CEMS = Continuous Emissions Monitoring Systems  
CEC = California Energy Commission  
CEQA = California Environmental Quality Act  
CE-CERT = College of Engineering-Center for Environmental  
Research and Technology  
CNG = Compressed Natural Gas  
CO = Carbon Monoxide  
DOE = Department of Energy  
EV = Electric Vehicle  
FY = Fiscal Year  
GHG = Greenhouse Gas  
HRA = Health Risk Assessment  
LEV = Low Emission Vehicle  
LNG = Liquefied Natural Gas  
MATES = Multiple Air Toxics Exposure Study  
MOU = Memorandum of Understanding  
MSERCs = Mobile Source Emission Reduction Credits  
MSRC = Mobile Source (Air Pollution Reduction) Review  
Committee  
NATTS = National Air Toxics Trends Station

NESHAPS = National Emission Standards for  
Hazardous Air Pollutants  
NGV = Natural Gas Vehicle  
NOx = Oxides of Nitrogen  
NSPS = New Source Performance Standards  
NSR = New Source Review  
OEHHA = Office of Environmental Health Hazard  
Assessment  
PAMS = Photochemical Assessment Monitoring  
Stations  
PEV = Plug-In Electric Vehicle  
PHEV = Plug-In Hybrid Electric Vehicle  
PM10 = Particulate Matter  $\leq$  10 microns  
PM2.5 = Particulate Matter  $\leq$  2.5 microns  
RECLAIM = Regional Clean Air Incentives Market  
RFP = Request for Proposals  
RFQ = Request for Quotations  
SCAG = Southern California Association of Governments  
SIP = State Implementation Plan  
SOx = Oxides of Sulfur  
SOON = Surplus Off-Road Opt-In for NOx  
SULEV = Super Ultra Low Emission Vehicle  
TCM = Transportation Control Measure  
ULEV = Ultra Low Emission Vehicle  
U.S. EPA = United States Environmental Protection  
Agency  
VOC = Volatile Organic Compound  
ZEV = Zero Emission Vehicle

"



 [Back to Agenda](#)

DQCTF "O GGVKPI "FCVG<"Ugr vgo dgt'8."423; "

CI GPFC"PQ0"3"

O K WGU< I qxgtlpi "Dqctf "O qpy n "O ggkpi "

U P QRUK< Cwcej gf "ctg'yj g'O kpwgu'qh'yj g'Lwn "34."423; "o ggkpi 0'

TGEQO O GPFGF "CEVKP<"

Crrtqyg'O kpwgu'qh'yj g'Lwn "34."423; "Dqctf "O ggkpi 0'

F gplug'I ct| ctq"

Engtm'qh'yj g"Dqctf u"

FI "

---

**FRIDAY, JULY 12, 2019**

Notice having been duly given, the regular meeting of the South Coast Air Quality Management District Board was held at District Headquarters, 21865 Copley Drive, Diamond Bar, California. Members present:

William A. Burke, Ed.D., Chairman  
Speaker of the Assembly Appointee

Council Member Ben Benoit, Vice Chairman  
Cities of Riverside County

Council Member Joe Buscaino (Arrived at 9:15 a.m.)  
City of Los Angeles

Council Member Michael A. Cacciotti  
Cities of Los Angeles County – Eastern Region

Senator Vanessa Delgado (Ret.)  
Senate Rules Committee Appointee

Supervisor Janice Hahn  
County of Los Angeles

Mayor Judith Mitchell  
Cities of Los Angeles County – Western Region

Council Member Dwight Robinson  
Cities of Orange County

Supervisor Janice Rutherford  
County of San Bernardino

Members absent:

Supervisor Lisa A. Bartlett  
County of Orange

Mayor Pro Tem Larry McCallon  
Cities of San Bernardino County

Supervisor V. Manuel Perez  
County of Riverside

Vacant: Governor's Appointee

**CALL TO ORDER:** Chairman Burke called the meeting to order at 9:05 a.m.

- Pledge of Allegiance: Led by Chairman Burke.
- Opening Comments

Mayor Mitchell announced that she attended, along with Mr. Nastri and staff, the University of California Institute of Transportation Studies conference at Asilomar where there were many educational sessions related to transportation electrification.

Supervisor Hahn commented on a New York Times article regarding banning MHF and referenced a letter received from the Torrance Refinery Action Alliance regarding recent action taken by the Refinery Committee. She requested clarification on the Refinery Committee's action to proceed with an MOU with the refineries and asked if rulemaking is still being considered.

Mr. Nastri explained that the Board's direction was to move forward with both a MOU and rulemaking, and work is proceeding on both efforts. The Refinery Committee provided guidance on what elements should be included in the MOU and staff is working with stakeholders, the refineries and the public on proposed rulemaking. Both the MOU and proposed rule will be brought to the Board for consideration.

Chairman Burke commented that Mayor Pro Tem McCallon has communicated to him that the Refinery Committee took action to direct staff to develop MOUs with both the Torrance and Wilmington refineries and bring the MOUs to the Board for consideration at the November 6 meeting. Mr. Nastri responded that the MOUs and consideration of the proposed rule are currently scheduled for the November Board meeting.

(Council Member Buscaino arrived at 9:15 a.m.)

Council Member Cacciotti noted that he is in the process of visiting all 35 cities within his district of Eastern Los Angeles County to share information about South Coast AQMD, shared photos from the city council meetings he has attended and added that he uses his bicycle and public transit to get to all of the meetings. He acknowledged the efforts of South Coast AQMD staff to attend and participate in meetings and events across the region.

Supervisor Rutherford announced that a groundbreaking ceremony for the new Arrow commuter line will take place on July 19, 2019 in Redlands. The 9-mile route will connect downtown San Bernardino to the University of Redlands using clean train technology. She noted that the San Bernardino Transportation Authority approved hydrogen fuel cell battery-operated trains as the preferred option. She added that there has been discussion about linking the Arrow commuter line to Union Station in the future.

"

"

Senator Delgado introduced her staff consultants and assistant.

Mr. Nastri announced that Dr. Laki Tisopulos, DEO/Engineering and Permitting, has accepted a position with the Ventura County Air Pollution Control District and acknowledged his many years of service to the South Coast AQMD.

Chairman Burke acknowledged, on behalf of the Board, Mr. Tisopulos' years of dedicated service to the South Coast AQMD and his efforts to reduce the permit backlog. Mayor Mitchell and Council Member Cacciotti also acknowledged his contributions.

Mr. Tisopulos expressed appreciation for the opportunity to serve at the South Coast AQMD.

Chairman Burke acknowledged the presence of the 2019 student interns and thanked them for their efforts.

### **CONSENT CALENDAR**

"

1. Approve Minutes of June 7, 2019 Board Meeting
2. Set Public Hearing September 6, 2019 to Consider Adoption of and/or Amendments to South Coast AQMD Rules and Regulations

Certify Final Environmental Assessment and Amend Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations

"

#### **Budget/Fiscal Impact**

"

3. Recognize Revenue, Execute and Amend Contracts for Near-Zero and Zero Emission Construction Equipment and Natural Gas and Electric Trucks and Infrastructure, and Reimburse General Fund for Administrative Costs

"

"

4. Execute Contract to Evaluate Meteorological Factors and Trends Contributing to Recent Poor Air Quality in South Coast Air Basin

"

"

5. Approve Funds to Continue Year-Round Electric Lawn Mower Rebate Program

"

"

6. Amend Awards for Alternative Fuel School Bus Replacement Program

"

"

"

"

7. Transfer and Appropriate Funds, Issue Solicitations and Purchase Orders, and Add/Delete Positions for Rule 1180 Implementation and Enhanced Particulate Monitoring Programs

"  
"

8. Issue RFP for Data Cable Infrastructure Installation

"  
"

9. Execute Contract for Elevator Modernization Project

"  
"

10. Approve Position Reclassifications; Adopt New Class Specification; and Adopt Resolution Amending Salary Resolution

"  
"

11. Approve Contract Modification Approved by MSRC and Approve Fund Transfer for Miscellaneous and Direct Expenditures Costs in FY 2019-20 as Approved by MSRC

"

Mayor Pro Tem Mitchell noted that she is a Board Member of the CARB which is involved with Item Nos. 3 and 6.

Harvey Eder, Public Solar Power Coalition, addressed the Board on the Consent and Board Calendar items expressing support for zero emission vehicles, solar renewable trucks and solar equity programs for moderate-to-low income households. He noted concern for using natural gas and earthquake preparedness.

"

MOVED BY CACCIOTTI, SECONDED BY MITCHELL, AGENDA ITEMS 1 THROUGH 4 AND 6 THROUGH 11 APPROVED AS RECOMMENDED, ADOPTING RESOLUTION NO. 19-14 AMENDING SOUTH COAST AQMD'S SALARY RESOLUTION TO ESTABLISH THE SALARY FOR A NEW CLASSIFICATION, AND DELETE CLASSIFICATIONS, BY THE FOLLOWING VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti, Delgado, Hahn, Mitchell, Robinson and Rutherford

"

NOES: None

ABSENT: Bartlett, McCallon and Perez"

"  
"

"  
"



18. Item Deferred from Consent Calendar

"

5. Approve Funds to Continue Year-Round Electric Lawn Mower Rebate Program

"

Council Member Cacciotti expressed support for the Lawn Mower Rebate Program and commented that there are now many more choices for consumers. He noted that there are opportunities for increasing education, outreach and participation for electric lawn care equipment.

Chairman Burke inquired about the status of the commercial electric leaf blower program.

Derrick Alatorre, DEO/Legislative, Public Affairs and Media, explained that among other efforts, Senator Delgado would be facilitating a focus group to discuss ways to increase awareness of electric leaf blowers and lawn care equipment.

Senator Delgado noted that independent commercial gardeners have expressed concerns about the high cost of electric equipment, and she is concerned about health impacts of workers using lawn care equipment.

Chairman Burke expressed support for incentive programs to assist in the transition to electric lawn care equipment.

Mayor Mitchell stated that there are significant emission from this equipment and expressed support for funding electric lawn care equipment to reduce the VOC and NOx emissions associated with gas-powered equipment.

"

MOVED BY CACCIOTTI, SECONDED BY  
MITCHELL, AGENDA ITEM NO. 5 APPROVED  
AS RECOMMENDED, BY THE FOLLOWING  
VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti,  
Delgado, Hahn, Mitchell, Robinson  
and Rutherford

NOES: None

ABSENT: Bartlett, McCallon and Perez

"

"

"

"

"

"

"

"

**Items 12 through 17 – Information Only/Receive and File**

12. Legislative, Public Affairs and Media Report

"

"

13. Hearing Board Report

"

"

14. Civil Filings and Civil Penalties Report

"

"

15. Lead Agency Projects and Environmental Documents Received

"

"

16. Rule and Control Measure Forecast

"

"

17. Status Report on Major Ongoing and Upcoming Projects for Information Management

"

"

**BOARD CALENDAR**

19. Administrative Committee

"

"

20. Legislative Committee

"

"

21. Mobile Source Committee

"

"

22. Stationary Source Committee

"

"

23. Technology Committee

"

"

24. Mobile Source Air Pollution Reduction Review Committee

"

"

25. California Air Resources Board Monthly Report

26. Receive and File California Fuel Cell Partnership Executive Board Meeting Agenda and Activity Update

"

"

MOVED BY BENOIT, SECONDED BY CACCIOTTI, AGENDA ITEMS 12 THROUGH 26, APPROVED AS RECOMMENDED, RECEIVING AND FILING THE COMMITTEE, CaFCP UPDATE, MSRC AND CARB REPORTS, AND APPROVING THE FOLLOWING POSITION ON LEGISLATION, BY THE FOLLOWING VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti, Delgado, Hahn, Mitchell, Robinson and Rutherford

NOES: None

ABSENT: Bartlett, McCallon and Perez

"  
"

Agenda Item	Recommendation
SB 216 (Galgiani) Carl Moyer Memorial Air Quality Standards Attainment Program: used heavy-duty truck exchange	Support with Amendments

## **PUBLIC HEARINGS**

27. Determine That Proposed Amendment to Rule 301 – Permitting and Associated Fees, Is Exempt from CEQA; Amend Rule 301; and Submit Rule 301 to CARB for Inclusion into SIP

The presentation on Item No. 27 was waived. The public hearing was opened, and the following individual provided testimony on the item.

Mr. Eder expressed concern about the reported numbers for NOx and methane emissions and the effects of climate change. He expressed concern for CEQA exemptions and stated that every permit should be evaluated for solar.

There being no further testimony on this item, the public hearing was closed.

"  
"

MOVED BY MITCHELL, SECONDED BY BENOIT, AGENDA ITEM NO. 27 APPROVED AS RECOMMENDED, ADOPTING RESOLUTION NO. 19-15 DETERMINING THAT PROPOSED AMENDED RULE 301 – PERMITTING AND ASSOCIATED FEES IS EXEMPT FROM THE REQUIREMENTS OF CEQA, AMENDING RULE 301 BY ADDING A CERTIFICATION REQUIREMENT FOR EMISSION REPORTS AND SUBMITTING PROPOSED AMENDED RULE 301(e)(1)(A) AND (e)(1)(B), (e)(2), (e)(5) and (e)(8) TO THE CALIFORNIA AIR RESOURCES BOARD FOR FORWARDING TO U.S. EPA AND INCLUSION INTO THE STATE IMPLEMENTATION PLAN, BY THE FOLLOWING VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti, Delgado, Hahn, Mitchell, Robinson, and Rutherford

NOES: None

ABSENT: Bartlett, McCallon and Perez

28. Determine That Proposed Amendments to Rule 2001 – Applicability, Are Exempt from CEQA and Amend Rule 2001

The presentation on Item No. 28 was waived. The public hearing was opened, and the following individual provided testimony on the item.

Mr. Eder expressed support for complete solar conversion and noted that solar should be considered as BARCT. He added concern about drug resistant antibiotics and renewable natural gas.

There being no further testimony on this item, the public hearing was closed.

MOVED BY CACCIOTTI, SECONDED BY BENOIT, AGENDA ITEM NO. 28 APPROVED AS RECOMMENDED, ADOPTING RESOLUTION NO. 19-16 DETERMINING THAT PROPOSED AMENDED RULE 2001 – APPLICABILITY, IS EXEMPT FROM THE REQUIREMENTS OF CEQA AND AMENDING RULE 2001 -- APPLICABILITY, BY THE FOLLOWING VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti,  
Delgado, Hahn, Mitchell, Robinson,  
and Rutherford

"

NOES: None

ABSENT: Bartlett, McCallon and Perez

29. Determine That Proposed Amendments to Regulation IX – Standards of Performance for New Stationary Sources, and Regulation X – National Standards for Hazardous Air Pollutants, Are Exempt from CEQA and Amend Regulations IX and X

The presentation on Item No. 29 was waived. The public hearing was opened, and the following individual provided testimony on the item.

Mr. Eder expressed concerns about CEQA exemptions and noted that natural gas should be considered toxic. He expressed support for solar technologies because of the cost savings and emission reductions.

There being no further testimony on this item, the public hearing was closed.

MOVED BY HAHN, SECONDED BY BENOIT,  
AGENDA ITEM NO. 29 APPROVED AS  
RECOMMENDED, ADOPTING RESOLUTION  
NO. 19-17 DETERMINING THAT PROPOSED  
AMENDED REGULATION IX – STANDARDS  
OF PERFORMANCE FOR NEW STATIONARY  
SOURCES, AND PROPOSED AMENDED  
REGULATION X – NATIONAL EMISSION  
STANDARDS FOR HAZARDOUS AIR  
POLLUTANTS, ARE EXEMPT FROM THE  
REQUIREMENTS OF CEQA AND AMENDING  
REGULATION IX – STANDARDS OF  
PERFORMANCE FOR NEW STATIONARY  
SOURCES, AND REGULATION X –  
NATIONAL EMISSION STANDARDS FOR  
HAZARDOUS AIR POLLUTANTS, BY THE  
FOLLOWING VOTE:

AYES: Benoit, Burke, Buscaino, Cacciotti,  
Delgado, Hahn, Mitchell, Robinson,  
and Rutherford

"

NOES: None

ABSENT: Bartlett, McCallon and Perez

"

"



**PUBLIC COMMENT PERIOD** – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

Mr. Eder expressed support for renewable energy options and equitable solar-electric vehicle programs.

**CLOSED SESSION**

Mr. Eder commented that summaries should be provided to the public on cases under closed session.

Bayron Gilchrist, General Counsel, explained that closed session items are listed on the agenda according to Brown Act requirements.

The Board recessed to closed session at 10:15 a.m., pursuant to Government Code sections:

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**

- 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the South Coast AQMD is a party. The actions are:

In the Matter of SCAQMD v. Aircraft Heat Treating Co., Inc. and Anaplex Corp., South Coast AQMD Hearing Board Case No. 6066-1 (Order for Abatement);

SCAQMD v. Anaplex, Los Angeles Superior Court Case No. BC608322 (Paramount Hexavalent Chromium);

People of the State of California, ex rel. SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528; and

In re: Exide Technologies, Inc., U.S. Bankruptcy Court, District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy Case).

Following closed session, Mr. Gilchrist announced that a report of any reportable actions taken in closed session will be filed with the Clerk of the Board's office and made available to the public upon request.

"

"

## **ADJOURNMENT**

There being no further business, the meeting was adjourned by Mr. Gilchrist at 10:40 a.m.

The foregoing is a true statement of the proceedings held by the South Coast Air Quality Management District Board on July 12, 2019.

Respectfully Submitted,

"

"

"

Denise Garzaro  
Clerk of the Boards

"

"

Date Minutes Approved: \_\_\_\_\_

---

Dr. William A. Burke, Chairman

---

## **ACRONYMS**

AQMP = Air Quality Management Plan

BARCT = Best Available Retrofit Control Technology

CARB = California Air Resources Board

CEQA = California Environmental Quality Act

COG = Council of Governments

DOE = Department of Energy

FY = Fiscal Year

GHG = Greenhouse Gas

MHF = Modified Hydrofluoric Acid

MSRC = Mobile Source (Air Pollution Reduction) Review Committee

NESHAP = National Emission Standards for Hazardous Air Pollutants

NSPS = New Source Performance Standards

NOx = Oxides of Nitrogen

PM = Particulate Matter

RECLAIM = Regional Clean Air Incentives Market

RFP = Request for Proposals

U.S. EPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

"

"

DQCTF "O GGVK I 'F C VG<"Ugr vgo dgt'8."423; "

CI GP F C 'P Q0"4"

RTQRQUCN<

Tgeqi pl g'Hwpf u."Gz gewg"cpf "Co gpf "Ci tggo gpw'hqt "Kpuvncvqp"  
cpf "O clpvgpcpeg"qh'Ckt'Hkmtcvqp"U{ ugo u."cpf "T glo dwtug'I gpgtcn'  
Hwpf "hqt"Cf o kpkmtcvxg'Equu"

U P QRUK<

WUOGRC'ku'gz gewkpi "c"Uwr r ngo gpvniGpxkqpo gpvniRtqlgev"  
\*UGR+<cpf "j cu'cungf "Uqwj "Eqcu'CS O F "vq'cev'cu'yj g"UGR"  
cf o kpkmtcvqt "vq"Kpuvncvqp"o clpvcv"ck"Hkmtcvqp"u{ ugo u"cv"  
uej qqu'lp"gpvniGpxkqpo gpvniRtqlgev"eqo o wpxkqpo"Vj ku'cevqp"ku"vq"  
tgeqi pl g'wr "vq"&389.; 89"Kpvq"vj g"Ckt'Hkmtcvqp"Hwpf "97+0"Vj gug"  
cevqp"ctg"vq"cuq"gz gewg"ci tggo gpw"vq"Kpuvncvqp"o clpvcv"ck"  
Hkmtcvqp"u{ ugo u"lp"cp"co qwpv'pqv"vq"gzeggf "&37; .78; .gz gewg"qt"  
co gpf "ceegu"ci tggo gpw'y kj "mecn'uej qqn'f kmtlevu."co gpf "  
eqptcev"vq'r wtej cug'cf f kkpnciHkmtcvqp"wpur gpv'cf o kpkmtcvxg"  
hwpf u."cpf "t glo dwtug"vj g'I gpgtcn'Hwpf "hqt"cf o kpkmtcvxg"equu"wr "  
vq"& .5; : "hqt"UGR"cf o kpkmtcvqp0'

EQO O KVVGG<

Vgej pqm { .Lwn"48."423; =Tgeqo o gpf gf "hqt"Cr r tqxcn'

TGEQO O GP F GF "CEVKQ P U<

30 Tgeqi pl g'wr "vq"&389.; 89"hqt"U"UGR"dgkpi "cf o kpkmtcvqt"qp"dgj cni'qh"WUOGRC"Kpvq  
vj g"Ckt'Hkmtcvqp"Hwpf "97+=

40 Cwj qtk g'yj g"Gz gewkxg"Qhkegt"vq"gz gewg"cp"ci tggo gpv'y kj "Y qtrf "Qkn  
Eqtr qtcvqp"hqt"Uqwj "Eqcu'CS O F "vq"ko r ngo gpv'c"UGR"hqt"Kpuvncvqp"cpf  
o clpvgpcpeg"qh'ck"Hkmtcvqp"u{ ugo u"cpf "vq"gz gewg"qt"co gpf "ci tggo gpw'y kj "mecn  
uej qqn'f kmtlevu"hqt"vj g'r wtr qug"qh"ko r ngo gpv'pi "c"UGR=

50 Cwj qtk g'yj g'Ej cko cp"vq"gz gewg"ceqp'cev'y kj "KS Ckt'P qtj "Co gtlec"hqt  
Kpuvncvqp"cpf "o clpvgpcpeg"qh'ck"Hkmtcvqp"u{ ugo u"cv'uej qqu'lp"cp"co qwpv'pqv"vq  
gzeggf "&37; .78; "hqt"vj g"Ckt'Hkmtcvqp"Hwpf "97+=

60 Cwj qtk g'yj g'Ej cko cp"vq"co gpf .cu'pggf gf .vj g'eqptcev'y kj "KS Ckt'P qtj  
Co gtlec"vq'r wtej cug'cf f kkpnciHkmtcvqp"wpur gpv'cf o kpkmtcvxg"hwpf u=cpf

70 Tglo dwtug'y g'I gpgtcn'Hwpf 'htqo 'y g'Ck'Hkntcvkp'Hwpf '\*97+'hqt'cf o lpkntcvkxg"  
equu'w'vq"& .5; : . "cu'pggf gf . "vq'ko r ngo gpv'y g"UGR0'

"  
"  
"

Y c{pg'P cutk"  
Gzgewkxg'Qhhegt"

OOO-PD-KRUM'

## Background

WUOGRC "gzgewgf "c"eqpugpv'f getgg'y kj "Y qtrf "Qk'Eqr qtcvkp'y cv'kpenmf gu"e"  
Uw r ngo gpvcn'Gpxktqpo gpvcn'Rtqlgev'\*UGR+"cpf "j cu'cungf "Uqwj 'Eqcu'CS O F "vq'cev'cu"  
y g"UGR"cf o lpkntcvqt "vq'kpuvcn'cpf "o ckpvc'p'ck 'hntcvkp'u{ ugo u'cv'uej qqni'kp"  
gpxktqpo gpvcn'lwvleg'\*GL+"eqo o wpkkgu0"Vq'f cvg. "Uqwj 'Eqcu'CS O F "j cu'kpuvcmgf "ck"  
hntcvkp'u{ ugo u'cv: 8'uej qqni'cpf "eqo o wpk{ "egpvgtu'kp'y g"Uqwj 'Eqcu'CK "Dculp0"  
"

KS Ck'P qtj 'Co gtlec'\*KS Ck+'y cu'ugrgev'f "y tqwi j "y q'eqo r gvkkxg'dkf "r tqeguugu'kp"  
4233"cpf "4235"ht'ck 'hntcvkp'r tqlgew. "cpf "uch'h'r gthqto gf "c"vgej pqm{ { "ucw'u'ej gem'  
vq'gputg'pq'pgy "vgej pqm{ kgu'j cf "eqo g"qp'y g"o ctngv0"KS Ck'ku'cnuq'y g"qpn' 's wcnhkgf "  
o cpw'xewt'gt'qh'j ki j /r gthqto cpeg'r cpgr'hkngtu'cpf "ucpf /cmqpg'wpxu'o ggkpi "y g"  
r gthqto cpeg'ucpf ctf u'lp "Uqwj 'Eqcu'CS O F u'422; "ck 'hntcvkp'r kqv'uwwf { "cpf "kp"e"  
4232"pcvkpcn'vukpi "qr r qtwpk{ "d{ "y g"Wpkxgtuk{ "qh'Ecn'htp'k "Tkgtukf g'u'Eqmg' g'qh"  
Gpi kpggtkpi IEgpvt'ht'Gpxktqpo gpvcn'Tgugetej "cpf "Vgej pqm{ { 0"Vj gug'r gthqto cpeg"  
ucpf ctf u'kpenmf g'cp"cxgtci g'tgo qxcn'ghhekgpe{ "qh'i tgcvt'y cp": 7'r gtegpv'ht "wntchkg"  
RO . "drcm'lectdqp"cpf "RO 40"cpf "c"pqkug'ngxgn'dgmjy "67"fgeldgn'ht "ucpf /cmqpg'wpxu0"  
"

## Proposal

Uch'h'ku'y qtnkpi "y kj "WUOGRC . "Y qtrf "Qk'Eqr qtcvkp"cpf "Eqo r vqp"Wpkhgf "Uej qqn"  
F kntlev'vq'kf gpv'h{ "uej qqni'vq'tgegkxg'ck 'hntcvkp'u{ ugo u'ht'y ku"UGR. "y j lej "y km'dg'kp"  
GL"eqo o wpkkgu'kp'emug'r tqzko k{ "vq'y g"Y qtrf "Qk'Eqr qtcvkp'hcek{ "kp'Eqo r vqp0"  
WUOGRC "cmjy u'hkxg'r gtegpv'qh'y g"UGR"vq'dg'f guki pcvgf "vqy ctf u'tglo dwtugo gpv'qh"  
cf o lpkntcvkxg'equu0"Rtqlgev'eqo r ngvqp'y kn'qeewt'pq'rcvt'y cp'Qevqdg'42420"Uch'h'  
cp'lekr cvgu'y g'r tqlgv'y km'dg'eqo r ngvgf "y kj kp'34"o qpjy u'qh'eqpvtcev'gzgewkqp0""

Vj g'r tqr qugf "uej gf wng'ht'y ku'r tqlgv'ku'cu'hqmqy u<

Date	Event
Ugr vgo dgt"423; "	Dqctf "Cr r tqxcn'
Qevqdg'423; "	Cpvlekr cvgf "Gzgewkqp"qh'Eqpvtcew"
Qevqdg'423; "	Uej qqn'Ugrgev'kp. "Ukg'Cuuguo gpv"
Qevqdg'4242"	Kpuvcn'cvkp"
Qevqdg'42426Qevqdg'4247"	O ckpvgpcpeg'*xctkgu'd{ "uej qqn"
Qevqdg'4242"	Hkpcn'Tgr qt v'*cppvcn'w'f cvgu'y gtgchgt" ht'hkxg'gctu"

"

Vj gug'cevqpu'ctg'vq<3+'tgeqi pl g'wr 'vq"&389.; 89'htqo 'vj g'UGR'ci tggo gpv'lpv'vj g'Ck"  
Hkntcvkp'Hwpf '\*97+=4+'cwj qtk g'vj g'Gzgewkxg'Qhhegt'vq'gzgewg'cp'ci tggo gpv'y kj "  
Y qtrf 'QkIEqtr qtcvqp'cpf 'gzgewg'qt'co gpf 'ci tggo gpv'y kj 'uej qqu'vq'lo r ngo gpv'vj g"  
UGR'ht'kpucmvqp'cpf 'o clpvgpcpeg'qh'ck'hkntcvkp'u{ ugo u=5+'gzgewg'cp'ci tggo gpv'  
y kj 'KS Ck'P qtvj 'Co gtlec'ht'kpucmvqp'cpf 'o clpvgpcpeg'qh'ck'hkntcvkp'u{ ugo u'cv'  
uej qqu'lp'cp'co qwpv'pqv'vq'gzeggf "&37; .78; =6+'co gpf . 'cu'pggf gf . 'vj g'eqptcev'y kj "  
KS Ck'P qtvj 'Co gtlec'vq'r wtej cug'cf f kkpncn'hnktu'wulpi 'wpur gpv'cf o kpkntcvkxg'hwpf u=  
cpf '7+'t glo dwtug'vj g'I gpgtcn'Hwpf 'htqo 'vj g'Ck'Hkntcvkp'"  
Hwpf '\*97+'ht'cf o kpkntcvkxg'equu'wr 'vq"& .5; : 0"  
"

### Sole Source Justification

Ugevkp'XKKOD04'qh'vj g'Rtqewtgo gpv'Rqrle{ 'cpf 'Rtqegf wt g'kf gpv'hgu'hqwt'o clqt"  
r tqxkukpu'wpf gt'y j lej 'c'uqrg'uqwtg'cy ctf 'o c{ 'dg'Iwukhkf 0"Vj ku'tgs wguv'ht'c'uqrg"  
uqwtg'cy ctf 'ku'o cf g'wpf gt'r tqxkukp'D040 '\*3+<Vj g'f gukt gf 'ugt xlegu'ctg'cxckndrg"  
htqo 'qpn' 'vj g'uqrg/uqwtg'dcugf 'wr qp'vj g'wpls wg'gzt gtepeg'cpf 'ecr cdkkku'qh'vj g"  
r tqr qugf 'eqptcev't'qt'eqptcev't'vgo 0'KS Ck'tgo clpu'vj g'qpn' 'o cpwlcwtt'g'qh'  
j ki j 'r gthqto cpeg'r cpgr'hnktu'cpf 'ucpf /cnpg'wpku'kf gpv'hkf 'd{ 'Uqwj 'Eqcu'  
CS OF 'cpf 'ECTD'uchh'vj cv'o gg'vj g'r gthqto cpeg'ucpf ctf u'tgs wkt gf 'vq'eqo r rvg"  
vj g'y qtn0'  
"

### Benefits to South Coast AQMD"

Vj ku'r tqlgev'y knitgf weg'ej kf tgpau'gzr quwtg'vq'etkgtk'cpf 'vqzle'r qmwcpw'cpf 'wntchkg"  
RO 0"J gcnj 'uwf lgu'j cxg'f gvgto kpgf 'vj cv'hkg'cpf 'wntchkg'RO . 'lpenf lpi 'f kgugriRO ."  
r tgugpv'vj g'i tgcvgu'ck'r qmwkqp'j gcnj 'tkun'vq'ugpukxg'tgegr vqtu'lp'GLEqo o wplkgu"  
kf gpv'hkf 'lp'vj g'UGR'ci tggo gpv0"

### Resource Impacts

Vj g'pgy 'eqptcev'y kj 'KS Ck'y knipqv'gzeggf "&37; .78; . 'cpf 'cp{ 'eqptcev'co gpf o gpv'  
y kj 'KS Ck'vq'r wtej cug'cf f kkpncn'hnktu'y knipqv'gzeggf 'vj g'co qwpv'qh'cp{ 'wpur gpv'  
cf o kpkntcvkxg'hgu0"TGlo dwtugo gpv'qh'cf o kpkntcvkxg'equu'y knipqv'gzeggf "& .5; : 0"

DQCTF "O GGVKPI "F CVG<Ugr vgo dgt'8."423; "

CI GPFC"PQ0"5"

RTQRUCN<

Co gpf "Eqptcev'hqt "MQTG"Khtcutwewtg"Rtqlgev"

U PQRUK<

Kp'O ctej "4239."y g"Dqctf "cr r txxgf "c"eqptcev'y kj "MQTG"  
Khtcutwewtg"NNE"ht "c"tgpgy cdrg"pcwtcnl cu'eqo o gtekn'hgrf "  
vguv'r tqlgev."penf kpi "eqputwekqp"qh'c'r { tqnf uku'u{ ugo "qp"  
UqEcnl cuu'r tqr gtvl "kp"Nqu"Cpi grgu0"Vj g'r tqlgev'ku'v'vguv'xctkqwu"  
dkqo cuu'hggf uqemu'hqt'eqo o gtekn'r tqf wekqp"qh'tgpgy cdrg"  
pcwtcnl cu0"Y j kg'y g'r tqlgev'j cu'gzr gtlgpegf "eqputwekqp"f grc { u"  
qxtg'y g'r cuvhgy "o qpj u."MQTG"j cu'tgegpv{ "o cf g'uki plhecpv"  
r tqi tguu'vy ctf u'eqputwekqp0"Vj ku'cevqp'ku'v'co gpf "y g"  
eqptcev'y kj "MQTG"Khtcutwewtg"NNE."gzvgpf kpi "y g'f gcf rkp'v"  
eqo r rvg'eqputwekqp."eqo o kuukpkipi "cpf "vgukpi "ghhtw'v"  
F gego dgt'53."423; 0"

EQO O KVVGG<

P q'Ego o kvgg'Tgxkgy "

TGEQO O GPFGF "CEVKQP <

Co gpf "eqptcev'y kj "MQTG"Khtcutwewtg"NNE"v"gzvgpf "y g'f gcf rkp'v"eqo r rvg"  
eqputwekqp."eqo o kuukpkipi "cpf "vgukpi "ghhtw'v"v'y g'Qn{ o r le'ukg'v"F gego dgt'53."  
423; 0"

Y c {pg"Pcutk"

Gzgewkxg"Qhhegt"

OOO PDKROD"

## Background

Kp"Ugr vgo dgt'4238."y g"Dqctf "cy ctf gf "&40"o knkqp"v"MQTG"Khtcutwewtg"vy ctf u'y g"  
eqputwekqp"cpf "qr gtcvqp"qh'c'tgpgy cdrg"pcwtcnl cu"\*TP I +r tqf wekqp"heknv{ "kp"  
Tknq0"Rtkqt"v"eqo o gpelkpi "eqputwekqp"qh'y g'r tqf wekqp"heknv{ ."MQTG"cpf "  
UqEcnl cu'f gxgnr gf "c'r tqr qucn'v'hgrf "vguv'MQTGau'vej pqmji { "qp"eqo o gtekn"  
r tqr gtvl "qy pgf "d{ "UqEcnl cu'kp"fy pqy p"Nqu"Cpi grgu\*y g'Qn{ o r le'ukg+lp"qtf gt"v"  
cuuguu'y g'tgpgy cdrg"hwgn'r qvgpvcn'qh'xctkqwu"dkqo cuu'hggf uqemu0"Kp"gtcn{ "4239."  
MQTG'r tguvpvgf "y g'hgrf "vguv'r tqr qucn'v"Uqwj "Eqcu'CS OF "uclh"cpf "kp'O ctej "  
4239."y g"Dqctf "cr r txxgf "c"eqptcev'y kj "MQTG"v"equv'uj ctg'y g'hgrf "vguv'wukpi "  
&3"o knkqp"htqo "y g'UqEcnl cu'Ugwgo gpv'Ur gekn'Tgxgpwg"Hwpf 0

Kp'O c { "423: . 'r tkqt 'v' l'pkkc'v'pi "cp { "eqputwe'v'kp. "MQTG"l'phqto gf "uchh'qh'v'j g'ucng'qh" v'j g'Tlcnq'r tqr gt'v' 'y j gtg'v'j g'r tqf we'v'kp 'h'ekrk { 'y cu'v'q'dg'm'ecv'gf "cu'y gni'cu'r m'pu'v'q" tgm'ecv'g'v'j g'r tqf we'v'kp 'qr gtc'v'kp 'v'q'Nqu'Cpi g'gu'c'p'f 't'gx'kug'v'j g'ueqr g'h'qo 'r tqf we'v'kp " t'gpgy c'dng'p'cw'at'n'i cu'v'q'r tqf we'v'kp 't'gpgy c'dng'j { f tqi gp0"U'cng'qh'v'j g'Tlcnq'ukg" v'ki i gt'gf 'c't'gko dwtugo gpv'ew'wug'l'p'v'j g'eqp'v'ce'v'hqt "MQTG"u'v'gto k'p'c'v'kp 'y k'j q'w'ec'wug." c'p'f "MQTG"y cu'i k'xgp'v'p'v'ki'L'xpg"52."423; . 'v'q'r tqx'kf g'<\*3+'v'j g't'gu'w'u'qh'v'j g'l'p'v'g'tko 'v'g'u'v' c'v'v'j g'Qn { o r k'e'ukg."c'p'f "4+"c'r tqr qu'c'n'hqt 'c'x'k'cdng'c'ng't'p'c'v'k'g'r tqf we'v'kp 'r tq'l'ge'v'v'j c'v' y q'w'f "ce'eqo r k'uj 'v'j g'r w'r qu'g'qh'v'j g'Tlcnq'eqp'v'ce'v'0 "

Kp'P q'x'go dgt "423: . 'v'j g'E'k'v' { 'qh'Nqu'Cpi g'gu'c'p'f 'v'j g'H'k'g'F gr c't'w'o gpv'ku'w'gf "MQTG" cr r tq'x'c'u'v'q'r tq'eg'gf 'y k'j 'v'j g'h'g'f 'v'g'u'v'c'p'f 'k'p'F g'ego dgt "423: . 'gs w'k'r o gpv'y cu'o q'x'gf " q'p'v'q'v'j g'Qn { o r k'e'ukg'h'q'm'y k'pi 'k'p'u'c'm'e'v'kp'qh'eqp'et'g'v'g'r c'f u'c'p'f 'q'v'j gt'eqp'ut'we'v'kp' " w'u'm'0'C'i t'g'c'v'gt'v'j c'p'p'q'to c'n't'c'k'p { 'u'g'c'u'q'p'v'j c'v'g'z'v'g'p'f g'f 'v'j tq'w'i j "O c't'ej "423; "c'p'f 'v'j g' w'p'c'x'c'k'c'd'k'k'v' { 'qh'q'p'uk'g'g'ng'e'v'k'ec'n'r q'y gt'h'w'v'j gt'f'g'nc { g'f 'ukg'eqp'ut'we'v'kp'v'p'v'ki'O c { " 423; 0"V'j g'g'ng'e'v'k'ec'n'r q'y gt'r tq'd'ng'o 'y cu't'gu'q'rk'g'f 'd { 'w'ug'qh'c'r q't'v'cdng't'g'p'v'c'n'i g'p'g't'c'v'q't." y j k'ej 't'gs w'k'g'f 'U'q'w'j 'E'q'c'u'v'CS O F 'r g'to k'u'0"V'j g'ug'x'c't'k'q'w'u'r tq'l'ge'v'f'g'nc { u'r t'g'x'g'p'v'g'f " MQTG'h'q'o 'o g'g'v'k'pi 'v'j g'L'x'p'g"52."423; 'w'o g'r'k'p'g."c'p'f 'uchh'ci t'g'g'f 'v'q'g'z'v'g'p'f 'v'j c'v'f'c'v'g'd { " 82'f'c { u'v'q'c'm'y "MQTG"v'q'f go q'p'ut'c'v'g't'g'c'u'q'p'cdng'h'w'v'j gt'r tq'i t'g'u'u'k'p'eqo r ng'v'k'pi 'ukg' eqp'ut'we'v'kp'0""

## Proposal

U'k'peg'O c { "423; . "MQTG"j cu'f go q'p'ut'c'v'g'f "eqp'uk'ng'p'v'r tq'i t'g'u'u'k'p'eqo r ng'v'k'pi " eqp'ut'we'v'kp'g'h'q't'w'u'c'v'v'j g'Qn { o r k'e'ukg'0"U'chh'd'gi c'p'x'k'uk'u'v'q'v'j g'ukg'k'p'L'x'p'g'c'p'f "j c'x'g" eqp'f'w'ev'g'f 'u'w'd'ugs w'g'p'v'ukg'x'k'uk'u'g'x'g't { 'y q'y g'g'm'u.'f q'ew'o gp'v'k'pi 'k'o r tq'x'go gp'w'u'c'p'f " k'p'et'go gp'w'u'qh'r tq'i t'g'u'u'q'y c't'f u'eqo r ng'v'k'p'qh'eqp'ut'we'v'kp'0"C'f f'k'k'q'p'c'm { . 'uchh'j cu'd'g'g'p' " k'p'h'q'to gf 'd { "MQTG"v'j c'v'k'k'u'c'ev'k'g'n { 'u'g'g'k'pi 'c'r g'to c'p'g'p'v'ukg'h'q't'v'j g'r tqf we'v'kp' " q'r g'tc'v'kp' "q't'ki k'p'c'm { 'k'p'v'g'p'f g'f 'v'q'd'g'm'ec'v'gf 'k'p'Tlcnq-0"V'j k'u'c'ev'k'p'k'u'v'q'c'r r tq'x'g'c'p' " g'z'v'g'p'uk'p'qh'v'j g'f'g'c'f'k'p'g'v'q'eqo r ng'v'g'eqp'ut'we'v'kp'."eqo o k'uk'q'p'k'pi 'c'p'f 'v'g'u'k'pi 'g'h'q't'w'u'c'v' v'j g'Qn { o r k'e'ukg'v'q'F g'ego dgt "53."423; 0"

## Benefits to SCAQMD

V'j g'U'q'w'j 'E'q'c'u'v'C'k'T'd'cu'k'p'k'u'erc'u'k'h'g'f "cu'c'p'og'z'v'g'o g'o'p'q'p'c'w'c'k'p'o gpv'c't'g'c'h'q't'q'l'q'p'g' " w'p'f'gt'v'j g'h'g'f'g't'c'n'E'ng'c'p'C'k'C'ev'0"C'y k'f'g'ue'c'ng'f'g'r m'q { o gpv'q'h'c'f'x'c'p'eg'f "v'ej p'q'm'i k'gu." k'p'ew'f'k'pi 'p'g'c't'g'g't'q'go k'uk'q'p'g'p'i k'p'g'u'c'p'f 'h'w'g'n'eg'm'u.'k'u'c'et'k'k'ec'n'v'g'r 'v'q'y c't'f "c'ej k'g'x'k'pi " v'j g'c'k't's w'c'rk'v' { 'u'c'p'f'c't'f u'y k'j "eqp'uk'f'g't'c'dng'r w'd'r'k'e'j g'c'm'j "d'g'p'g'h'k'u'h'q't'q'w't'g'i k'q'p'0"Y j gp' " eqo d'k'p'g'f 'y k'j 't'g'p'gy c'dng'h'w'g'u'y j k'ej "j c'x'g'c'p'g'c't'g'g't'q'g't'c'd'q'p'h'q'q'r t'k'p'v'v'j g'ug' " v'ej p'q'm'i k'gu'c't'g'g'z'r g'ev'g'f 'v'q'r tq'x'kf g'c'p'g'c't'g'v'g'to . "eq'u'v'g'h'g'ev'k'g'q'r v'k'p'h'q't'c'f f't'g'u'k'pi " et'k'g't'k'r q'm'w'c'p'u'c'p'f 'i t'g'g'p'j q'w'ug'i cu'0"G'p'ut'k'pi 'i t'g'c'v'gt'w'r r n'q'qh'm'ec'm { 'r tqf w'eg'f " t'g'p'gy c'dng'h'w'g'u'y k'n'c'f f't'g'u'l'm'ec'n'v'c'v'g."c'p'f 'h'g'f'g't'c'n'g'p'x'k'q'p'o gp'v'c'n't'g'i w'c'v'k'p'u'c'p'f " i q'c'u'0"V'j k'u'r t'qr qu'g'f 'r tq'l'ge'v'k'u'k'p'ew'f'g'f 'k'p'v'j g'Technology Advancement Office Clean

*Fuels Program 2019 Plan Update* "wpf gt "vj g"ecvgi qt { "qh'õKphtcutwewtg"cpf "  
F gr m{ o gpvö."ur gekhecm{ "cu'õF go qpwtcvg"P cwtcnI cu'O cpwhcewtkpi "cpf "F kwtkdwtkqp"  
Vgej pqmji lgu'kpenwf kpi "Tgpgy cdrgu0"  
"

### **Resource Impacts**

Vj ku'cevtkqp"y qwrf "gzvgpf "vj g"f gcf nkg"vq"eqo r rvg"eqputwewkqp."eqo o kukqpkpi "cpf "  
vgwtkpi "ghqtu"cv"vj g"Qn{ o r k"ukg"y kj "pq"cf f kqpcn'equu0"  
"  
"



DQCTF "O GGVKPI 'F CVG<"Ugr vgo dgt'8."423; "

CI GPFC'P Q0"6"

RTQRQUCN<" Cfqr v'Tguqmwkp'Tgeqi pk lpi 'Hwpf u'hqt'Hl "423: /3; 'Ectn'O q{gt" Ucvg'Tgugtxg'Rtqi tco "

U PQRUK" Kp'Cr tki'423; . 'ECTD'cr r tqxgf "cmqecvkpu'hqt'yj g'Hl "423: /3; " Ectn'O q{gt'Ucvg'Tgugtxg'Rtqi tco "wulpi "yj g'uco g'f kwtkdwkqp"cpf " uqwtg'ecvgi qtkgu'cu'yj g'r tgxkquw">{ gct0"Vj g'cmqecvkqp'hqt'yj g'Uqwj " Eqcu'CS O F'ku"&5.6: 3.: ; 5.'kpenw lpi "8047" "kp'cf o kpkutcvkxg" hwpf u0"Vj g'Ucvg'Tgugtxg'hwpf u'o wuv'dg'wugf "hqt"qh/tqcf "r tqlgew" kpenw lpi "eqputwevkqp."ci tlewwtcrn'cpf "kpf wutkcn'gs wkr o gpv'yj cv" ctg"grki kdr g'ceeqtf lpi "vq'yj g"4239"Tgxkukpu"vq'yj g'Ectn'O q{gt" Rtqi tco "I wkf grkpgu0"Vj ku'cevqp'ku'vq'cf qr v'c'Tguqmwkp" tgeqi pk lpi "wr "vq"&507"o knkqp'lp'Ectn'O q{gt'Ucvg'Tgugtxg'hwpf u" htqo "ECTD'cmqi "y kj "ku'vgo u'cpf "eqpf kkpqu'hqt'Hl "423: /3; 0""

EQO O KVVGG<" Vgej pqmi { . 'Lwn' "48."423; =Tgeqo o gpf gf "hqt'Cr r tqxcn"

TGEQO O GPFGF 'CEVKQP <"

Cfqr v'yj g'cwcej gf "Tguqmwkp'tgeqi pk lpi . 'wr qp'tgegkr v.'wr "vq"&507"o knkqp'lp'Ucvg" Tgugtxg'hwpf u'htqo "ECTD'lpvq'yj g'Ectn'O q{gt'Rtqi tco "Hwpf "\*"54+. "cpf "cwj qtk g'yj g" Gzgewkxg'Qhhlegt"vq'ceegr v'yj g'vgo u'cpf "eqpf kkpqu'qh'yj g'Hl "423: /3; "Ucvg'Tgugtxg" I tcpv%a 3: /O Q660"

Y c{pg'P cutk"

Gzgewkxg'Qhhlegt"

0004D&CY "

## Background

Rwtuwcgv'vq'Ugevkqp'664: 8\*f + "qh'yj g'J gcni "cpf "Uchgv' "Eqf g. 'ECTD'o c{ 't'gugtxg'wr "vq" 32'r gtegpv'qh'yj g'Ectn'O q{gt'Rtqi tco "hwpf u'cxckndrg"gej "{ gct'hqt'r tqlgew'yj cv'ctg" grki kdr g'hqt'hwpf lpi "yj tqwi j "yj g'Ectn'O q{gt'Rtqi tco 0"Vj gug'hwpf u'ctg'tghgttgf "vq'cu" Ectn'O q{gt'Rtqi tco "Ucvg'Tgugtxg'hwpf u0"ECTD'tgugtxgu'yj g'uqrg'cwj qtkv' "vq" f kwtkdwg'yj g'Ucvg'Tgugtxg'hwpf u'gej "{ gct0"Hqt'423; . 'cr r tqzko cvgn' "&90 8"o knkqp'lp" Ucvg'Tgugtxg'hwpf u'ctg'cxckndrg0

kp'Cr tkd'423; . 'ECTD'cr r tqxgf "cmqecvkpu"qh'vj g'Hl "423: /3; \*l gct'43+'Ectnl'O q{ gt"  
Rtqi tco "Ucvg'T gugtxg'hwpf u'wukpi "vj g'uco g'f kntkdwkqp"cpf "uqwtg'ecvqi qtlgu'cu'vj g"  
r t g x k w u " { g c t 0 " V j g " c m q e c v k p " h q t " v j g " U q w j " E q c u v " C S O F " k u " & 5 . 6 : 3 . : ; 5 . " k p e n f k p i " "  
8047" "kp'cf o kpkutcvkxg'hwpf u.'y j lej 'ku'cr r tqzko cvgnl "666" "qh'vj g'vqcn'Ucvg'T gugtxg"  
hwpf u'cxckrdng0"  
"

### Proposal

Vj ku'cevqp'ku'vq'cf qr v'vj g'cwcej gf "T guqmwkqp"tgeqi pk kpi 'wr "vq"&507"o knkqp'kp"  
Hl "423: /3; 'Ectnl'O q{ gt'Rtqi tco "Ucvg'T gugtxg'hwpf u'ltqo 'ECTD'kp'vj g'Ectnl'O q{ gt"  
Rtqi tco "Hwpf "54+"cpf "cwj qtk g'vj g'Gzgewkxg"Qhleg'tq'ceegr v'vj g'vgto u'cpf "  
eqpf kkp'qh'vj g'Hl "423: /3; \*l gct'43+'Ectnl'O q{ gt'Rtqi tco "Ucvg'T gugtxg'i tcpv'cy ctf "  
\*d 3: /O Q66+0"Vj g'Ucvg'T gugtxg'hwpf u'o wuv'dg'wugf 'hqt'qh/tqcf 'r tqlgew'kpenf kpi "  
eqputwvqp."ci tlewnwtcn'cpf 'lpf wutkn'gs wkr o gpv'vj cv'ctg'grki kdn'ceeqtf kpi "vq'vj g"  
4239'T g x k u k p u " v j g " E c t n l ' O q { g t " R t q i t c o " I w k f g r k p g u 0 " V j g " D q c t f " y k n l e q p u k f g t " c y c t f u "  
wukpi "vj gug'hwpf u'y j gp'k'eqpukf gtu'Ectnl'O q{ gt'Rtqi tco "cpf "UQQP'Rtqxkukqp'cy ctf u"  
y ku'hcn0"  
"

### Benefits to South Coast AQMD

Vj g'cf f kkp'cn'hwpf u'r tqxkf gf "d{ 'vj g'Ucvg'T gugtxg'vq'hwpf "qh/tqcf 'r tqlgew'grki kdn"  
wpf gt'vj g'Ectnl'O q{ gt'Rtqi tco "y knlr tqxkf g'uwr nu"go kuukpu'tgf wvqp'qh'dqj "P Qz"  
cpf "RO'cu'tgs wktgf "d{ 'vj g'Ectnl'O q{ gt'Rtqi tco 0"Vj g'Ucvg'T gugtxg'hwpf u'y knldg"  
cmqecv'gf "hqt'eqputwvqp."ci tlewnwtcn'cpf 'lpf wutkn'gs wkr o gpv'r tqlgew'vj cv'ctg'grki kdn"  
ceeqtf kpi "vq'vj g'4239'T g x k u k p u " q h ' v j g " E c t n l ' O q { g t " R t q i t c o " I w k f g r k p g u 0 " U k p e g " v j g "  
xgj kergu'cpf "gs wkr o gpv'hwpf gf "wpf gt'vj gug'r tqi tco u'y knlqr gtcv'hqt'vj g'rhg'qh'vj g"  
eqputcev'cpf "dg{ qpf . "vj g'go kuukpu'tgf wvqp'u' y knlr tqxkf g'hqpi /vgto "dgpghku0"  
"

### Resource Impacts

Vj g'Ucvg'T gugtxg'hwpf u.'wr qp'tgegkr vltqo 'ECTD.'y knldg'tgeqi pk gf "kp'vj g'Ectnl'  
O q{ gt'Rtqi tco "Hwpf "54+0"Vqcn'Ucvg'T gugtxg'hwpf u'hqt'qh/tqcf 'r tqlgew'grki kdn"  
wpf gt'vj g"dl gct'43ö'Ectnl'O q{ gt'Rtqi tco "y knlpqv'gzeggf "&507"o knkqp0"  
"

### Attachment

T guqmwkqp"

"

"

"

**RESOLUTION NO. 19-**

**A Resolution of the South Coast Air Quality Management District Board  
Recognizing Funds and Accepting the Terms and Conditions of the  
FY 2018-19 (Year 21) Carl Moyer Program State Reserve Grant Award**

" Y J GTGCU."wpf gt "J gcnj "( "Uchgv "Eqf g"È"62622"gv"ugs 0"y g"Uqwj "Eqcu" Ck "S wcrk\ "O cpci go gpv" F kntkv "Uqwj "Eqcu"CS O F "+"ku"y g"mecn"ci gpe{ "y kj "y g" r tko ct{ "tgr qpukdkk\ "hqt"y g" f gxgnr o gpv"ko r ngo gpv"vqp."o qpkqtkpi "cpf "gphqtego gpv" qh"ck"r qmwkqp"eqpvtn"utcvgi kgu."ergcp"hwgn"r tqi tco u"cpf "o qvqt"xgj keng"wg"tgf wvqp" o gcuwtgu="cpf ""

" Y J GTGCU."y g"Uqwj "Eqcu"CS O F "ku"cwj qtk gf "d{ "J gcnj "( "Uchgv "Eqf g"È"62624."62662."cpf "6266: 0/"cu"y gm"cu"y g"Ectn"O q{ gt "O go qtkcn"Ck "S wcrk\ "Ucpf ctf u" Cwkp go gpv" Rtqi tco "È"66497." gv"ugs 0"v"ko r ngo gpv" r tqi tco u"v"tgf weg" vcpur qtcvqp"go kuqpu."kpnf kpi "r tqi tco u"v"gpqwtci g"y g"wg"qh"cngtpcvkg"hwgn"cpf "my /go kuqpv"xgj keng="v" f gxgnr "cpf "ko r ngo gpv"qvj gt "utcvgi kgu"cpf "o gcuwtgu"v"tgf weg" ck"eqpco kcpw"cpf "cej kxg"y g"ucv"cpf "hgf gtcn"ck"s wcrk\ "ucpf ctf u="cpf ""

" Y J GTGCU."y g" I qxgtkpi "Dqctf"j cu"cf qr vgf "ugxgtcnr"tqi tco u"v"tgf weg" go kuqpu"htqo "qp/tqcf "cpf "qh/tqcf "xgj keng."cu"y gm"cu"go kuqpu"htqo "qvj gt"gs wkr o gpv" kpnf kpi "y g"Ectn"O q{ gt "Rtqi tco ="cpf ""

" Y J GTGCU."y g"Uqwj "Eqcu"CS O F "ku" f guki pcvgf "cu"cp"gzvgo g"pqp/ cwkp go gpv"ctgc"ht"q\ qp"cpf "cu"wej "ku"tgs vkt gf "v"wk\ g"cm"hgukdng"o gcuwtgu"v"o gg" pcvqpcn"co dkp"ck"s wcrk\ "ucpf ctf u"o"

" DG"K"HWTVJ GT"TGUNXGF "y cv"y g" I qxgtkpi "Dqctf"cr r tqxgu"y g" Uqwj "Eqcu"CS O F "r ctvkr cvqp"kp"y g"Ucv"TGugtxg"r qtvp"qh"y g"H "423: /3; "" \*l gct"43+Ectn"O q{ gt "Rtqi tco ."cpf "y g"cegr vpeg"qh"hwf u"cmqecvgf "cpf "cy ctf gf "v"y g" Uqwj "Eqcu"CS O F "ht"grki kng"r tqlgew"cpf "r tqi tco "cf o kpkvkvqp="cpf ""

" VJ GTGHQTG."DG"K"TGUNXGF "y cv"y g" I qxgtkpi "Dqctf."k"tgi wnt"uguqpv" cuugo dngf "qp"Ugr vgo dgt "8."423; ."f qgu"j gtgd{ "cegr v"y g"vgo u"cpf "eqpf kvqp"qh"y g"" H "423: /3; "" \*l gct"43+Ectn"O q{ gt "Rtqi tco "Ucv"TGugtxg"i tcpv"cy ctf "" 3: /O Q66+" cpf "tgeqi pk g"wr "v"&50"o kvqp"htqo "ECTD"kp"y g"Ectn"O q{ gt "Rtqi tco "Hwpf ""54+"ht" grki kng"qh/tqcf "r tqlgew"wpf gt"y g"Ectn"O q{ gt "Rtqi tco 0"

" DG'K'HWT VJ GT'TGUQNXGF 'y cv'y g'Gz gewkxg'Qhleg t'ku'cwj qtk gf 'cpf "  
 f kt gev f 'vq'cng'cm'uvgr u'pgeguuct { 'vq'ectt { 'qw'y ku'T guqnwkqp0'  
 "  
 "  
 "  
 "  
 "  
 "  
 "aaaaaaaaaaaaaaaaaaaaa" "aaaaaaaaaaaaaaaaaaaaaaaaaaaaa"  
 "Fcvg"" " " " " " "Fgplug'I ct| ctq.'Ergtm'qh'y g'Dqctfu"

DQCTF 'O GGVKPI 'F CVG<"Ugr vgo dgt'8."423; "

CI GPFC'P Q0"7"

RTQRQUCN<"

Crrrtqr tlcvg'Hwpf u'cpf 'Co gpf 'Eqptcevu'hqt'Ngi kurvkg"  
Tgrtgugpvcvqp'kp'Ucetco gpvq.'Ecrkhtpkl"

U PQRUK<"

Chgt'ectghwltgxky "qh'ugt xlegu'vj cv'vj g'ucvg'ngi kurvkg'eqpuwncpvu"  
rtqxf g'v'Uqwj 'Eqcu/CS OF."uchh'tgeqo o gpf u'vj cv'Ecrkhtpkl"  
Cfxkuqtu."NNE"cpf 'S wkpvcpc'Y cwu'('J ctvo cpp'tgegkxg'cp"  
kpetgcug'kp'vj gk'teqptcev'co qwpv'v'q'r neg'vj go 'cv'vj g'uco g"  
eqo r gpucvqp'ngxgn'cu'vj g'q'vj gt'ucvg'ngi kurvkg'eqpuwncpv'o'lg'CO'  
I qpucrkgu'('Uqp0'Vj gug'cevqp'ctg'v'q'crrrtqr tlcvg'&9; .222'htqo "  
vj g'I gpgtcn'Hwpf.'Wpf guki pcvgf 'Hwpf 'Dmpep.'v'vj g'Ngi kurvkg."  
Rwdrlc'Chcku'('O gfk'H' '423; /42'dwf i gv'cpf 'o qf kh' 'vj g"  
eqptcevu.'y kj 'cp'kpetgcug'qh'&5; .722'gcej .'hqt'Ecrkhtpkl"  
Cfxkuqtu."NNE"cpf 'S wkpvcpc'Y cwu'('J ctvo cpp0'

EQOO KVVGG<"

Cfo kpkutcvkxg.'Lwn' '3; .423; =Tgeqo o gpf gf 'hqt'Crrrtqxcn'

TGEQOO GPFGF 'CEVKQP U<"

30 Crrrtqr tlcvg'&9; .222'htqo 'vj g'I gpgtcn'Hwpf.'Wpf guki pcvgf 'Hwpf 'Dmpep.'v'vj g  
Ngi kurvkg.'Rwdrlc'Chcku'('O gfk'H' '423; /42'Dwf i gv.'Ugt xlegu'cpf 'Uwr r rku  
O clqt'Qdlgev.'Rtqhguukqpcn'cpf 'Ur gekn'Ugt xlegu'ceeqpvc=

40 Cwj qtk g'vj g'Gzgewkxg'Qhlegt'v'q'kpetgcug'vj g'ewttgpv'eqptcev'y kj 'Ecrkhtpkl  
Cfxkuqtu."NNE'hqt'cp'cf f kkpccn'co qwpv'qh'&5; .722=cpf

50 Cwj qtk g'vj g'Gzgewkxg'Qhlegt'v'q'kpetgcug'vj g'ewttgpv'eqptcev'y kj 'S wkpvcpc'Y cwu  
( 'J ctvo cpp'hqt'cp'cf f kkpccn'co qwpv'qh'&5; .7220

Y c{pg'P cutk"

Gzgewkxg'Qhlegt"

FICACT4pu"

## Background

K'ku'ko r qtvcv'v'g'puwtg'vj cv'Uqwj 'Eqcu/CS OF'ku'lpqxrkf'kp'vj g'f ckn'ngi kurvkg'cpf "  
rqrk{'f kuewuukpu'd{'j cxkpi 'f kgev.'qpi qkpi 'tgrtgugpvcvqp'kp'Ucetco gpvq0'Vj g'ewttgpv'  
vj tgg'iqdd{kpi 'hko u'o'Ecrkhtpkl'Cfxkuqtu."NNE.'S wkpvcpc'Y cwu'('J ctvo cpp.'cpf 'lgg'  
COI qpucrkgu'('Uqp'o'j cxg'tgrtgugpvgf 'vj g'Uqwj 'Eqcu/CS OF'kp'Ucetco gpvq'cv'  
j ki j 'ucpf ctf 'qh'r gthqto cpeg0'Vj g'r qrkkecn'gizr gtlgpeg'cpf 'npqy ngf i g'vj cv'gcej 'hko  
j cu'r tqxf gf 'vj wu'ht'j cu'dggp'xkcn'v'Uqwj 'Eqcu/CS OF'ku'o kuukp'v'q'cej kxg'engcp  
ckt0

## Proposal

Uchh'tgeqo o gpf u'vj cv'vj g'vj tgg'hkto u'dg'eqo r gpucv'f "cv'vj g'uco g'rgxgr0Vj g'ewttgpv' eqptcevu'y kj 'vj g'vj tgg'hkto u'gxr ktg'cv'vj g'gpf "qh'423; 'y kj "cp"qr vkp'hqt"ç"qpg/{ gct" gzvgpukp'vj cv'o c{ "dg"gzgtekugf "cv'vj g'Dqctf æ'f kuetgvkqp.'r wtuwcpv'v'vj g'qtki kpcn'THR0" Vj ku'r tqr qucn'ku'v'q'kpetgcug'vj g'eqptcevu'y kj 'Ecn'hqtpk'Cf xkuqtu.'NNE"cpf 'S wkwpc" Y cwu'("J ctwo cp"d{ "&5; .722"gej . 'y j kej "y kn'itkpi "cm'vj tgg'Ucv'g'rgi kurv'xg"eqptcevu' v'vj g'uco g'eqo r gpucvkp'rgxgr0' "

## Benefits to South Coast AQMD

Cm'vj tgg'rgi kurv'xg"eqptcevu'tu'r tqxkf g'c'j ki j 'rgxgr'qh'ugtxleg"cpf "ctg'etk'ecn'v'q" o gg'v'pi 'vj g'Uqwj 'Eqcu'CS O F æ'Ucv'g'rgi kurv'xg'ci gpf c0' "

## Resource Impacts

Wr qp"cr r tqxcn"uw'hk'gpv'hwpf kpi 'y kn'dg'cxck'cdrg'lp'vj g'Ngi kurv'xg.'Rwdrke'Ch'cktu" cpf 'O gf k'H 423: /3; "dwf i gv"Ugtxlegu"cpf 'Uwr r rkgu'O clqt'Qdlgev0Hwpf kpi 'hqt'vj g' tgo clp'kpi "{ gct'qh'vj g'eqptcevu'y kn'dg'lp'ewf gf 'lp'vj g'Ngi kurv'xg.'Rwdrke'Ch'cktu'(" " O gf k'c'ppwcn'dwf i gv'tgs wgu0'

DQCTF 'O GGVK I 'F CVG<"Ugr vgo dgt'8.'423; "

CI GP F C 'P Q0'8"

RTQRQUCN<"

Co gpf 'Eqptcev'q'Kō r ngo gpv'Cf xcpegf 'Dwrf lpi 'Gpgti { "  
O cpci go gpv'Rtqlgeu"

U P QRUK<"

Kp'Qevdgt'4239.'y g'Dqctf "cr r tqxgf "c'eqptcev'y kj "Y knf cp"  
Gpgti { "Uqnwkqpu'q'ko r ngo gpv'r tg/eo o gtekn'ghhlekpe { 'r tqlgeu"  
hqt'y g'Uqwj 'Eqcu'CS O F "dwrf lpi 0"Vj gug'r tqlgeu'ctg'dgkpi "  
hwpf gf 'y tqwi j "c"&5.; ; 6.487'EGE"cy ctf "q"Y knf cp'Gpgti { "  
Uqnwkqpu."cpf "&4.4; 5.867'htqo "Uqwj 'Eqcu'CS O F 0"Cf f kkpncn"  
hwpf u'ctg'pggf gf "hqt'pgy "cpf "eqpvkpi gpe { "equu'hqt'y g"  
tgr mrego gpv'qh'y g'dwrf lpi "ej kngtu'cpf "rdqtcvt { "hwo g'j qgf "  
tgtqhk0"Kp'cf f kkp'q'r tqxf lpi "o wej "pggf gf "dwrf lpi "wr i tcf gu."  
y gug'r tqlgeu'y knlpetgcug'y g'ghhlekpe { "qh'y g'dwrf lpi "d { "qxgt"  
42'r gtegpv."cpf "r tqxf g"c'ecug'uwf { "cpf "uj qy ecug'hqt'pgy "  
dwrf lpi "khtcutwewt g'gej pqm i kgu0"Vj ku'cevqp'ku'q"co gpf "c"  
eqptcev'y kj "Y knf cp'Gpgti { "Uqnwkqpu'q'ko r ngo gpv'r tg/  
eo o gtekn'ghhlekpe { 'r tqlgeu'hqt'y g'Uqwj 'Eqcu'CS O F "  
dwrf lpi "kp"cp"co qwpv'pqv'q"gzeggf "&887.222'htqo "y g"  
Khtcutwewt g'Kō r tqxgo gpv'Hwpf "\*24+0"

EQO O KVVGG<"

Cf o kpkutcvxg.'Lwn { '3; .'423; =Tgeqo o gpf gf "hqt'Cr r tqxcn"

TGEQO O GP F GF 'CE VKQ P <"

Cwj qtk g'y g'Gzgewkxg'Qhhegt'q"co gpf "c'eqptcev'y kj "Y knf cp'Gpgti { "Uqnwkqpu'q"  
ko r ngo gpv'r tg/eo o gtekn'ghhlekpe { 'r tqlgeu'hqt'y g'Uqwj 'Eqcu'CS O F "dwrf lpi "kp"  
cp"co qwpv'pqv'q"gzeggf "&887.222'htqo "y g'Khtcutwewt g'Kō r tqxgo gpv'Hwpf "\*24+0"

Y c { pg'P cutk"  
Gzgewkxg'Qhhegt"

CIQ-CM

## Background

Vj g'Uqwj 'Eqcu'CS O F "dwrf lpi "y cu'qr gpgf "kp'3; ; 30"Cv'y g'ko g'qh'eqputwekqp.'y g"  
dwrf lpi "lpeqtr qtcvgf "o cp { "cf xcpegf "gpgti { "hgcwtgu'y cv'y gtg'y gp'cxckrdng0"O cp { "  
qh'y g'dwrf lpi 0"o gej cplecn'eqptqnl { ugo u'uwej "cu'y g'ej knkpi "u { ugo ."eqqkpi "  
qy gtu."cpf "gzj cwu'hwo g'j qgf "eqptqnl'kp'y g'rdqtcvt { "ctg'uki pkklecpv { 'r cu'y gt "  
v { r lecn'42/ { gct'wughwinkgur cp0"

Kp'4239."Y knf cp'Gpgti { "Uqnwkpupu"\*Y knf cp+y cu'cy ctf gf 'EGE'hwpf kpi 'kp'y g'co qwpv' qh'&5.; ; 6.487'vq'wug'Uqwj 'Eqcu'CS O F ō'dwrf kpi 'cu'c'f go qputcvkp'ukg'hqt'cp" Grgextle'Rtqi tco 'Kpxguo gpv'Ej cti g'\*GRKE+i tcpv.'vq'f go qputcvg'c'i tgcvg't'y cp'42" r gtegpv'gpgti { "ghlekpe{ 'ko r tqxgo gpv'wukpi 'r tg/eqo o gtekn'vej pqmji { "qp'gzknkpi " dwrf kpi u0"Kp'Qevqdg't'4239.'y g'Dqctf 'cwj qtk gf 'y g'Uqwj 'Eqcu'CS O F 'vq'gpvg't'kp'vq" c'eqptcev'y kj 'Y knf cp'hqt'ko r ngo gpvcvkp'qh'y g'r tqlgev'cpf 'vq'r tqxkf g'o cvej kpi 'hwpf u' kp'y g'co qwpv'qh'&4.4; 5.8670""

Vj g'r tg/eqo o gtekn'vej pqmji kgu'y cv'Y knf cp'y kn'ko r ngo gpv'cv'y g'"dwrf kpi 'kpenw g<" \*3+tg rnekpi 'y g'dwrf kpi 'ej kngtu'cpf "eqqrkpi 'vqy gtu'y kj 'j ki j /ghlekpe{ 'hry 'i mdcn' y cto kpi 'r qvgpvcn'tghki gtecpv'wpu=\*4+f go qputcvkpi 'NGF 'hkwatgu'y kj 'kppqxcvkg" eqptqnu'y cv'cf lwu'eqmt.'vgo r gtcwtg.'cpf 'kpgpukv{ 'y kj 'f c{ rki j v=\*5+'cf f kpi 'f k gev' ewtgpv'\*F E+NGF 'rki j vki 'hqt'y g'rdqtcvt{ 'htqo 'c'tgpgy cdrg'F E'uwteg=\*6+'wukpi " cfxcpegf 'l qpg/ngxgn'dwrf kpi 'o cpci go gpv'u{ ugo "eqptqnu=\*7+'tg rnekpi 'y g" rdqtcvt{ ō'eqpu'cpv'hry 'hwo g'j qqf 'gzj cwu'u{ ugo u'y kj 'cp'cf xcpegf 'xctkcdrg'hry " rdqtcvt{ 'gzj cwu'u{ ugo =\*8+f gxgnr o gpv'qh'c'f go cpf 'tgr qpug'r rchqto =cpf '\*9+" f go qputcvkp'qh'cp'qh'i tkf 'qwf qqt'NGF 'rki j vki 'u{ ugo 0"

Gpgti { 'ucxkpi u'cej kxgf 'y tqwi j 'y g'ko r ngo gpvcvkp'qh'y gug'r tqlgeu'y kn'ko r tqxg'y g" ghlekpe{ 'qh'y g'dwrf kpi 'd{ 'qxgt'42'r gtegpv'cpf 'ctg'cpv'ekr cvg' 'vq'tguwv'kp' { gctn{ " gpgti { 'equ'ucxkpi u'qh'qxgt"&422.2220"Qp'c'dtqcf gt'uecrg.'y g'kpetgcugf 'ghlekpe{ 'cpf " f go cpf 'tgr qpug'ecr cdkkkgu'htqo 'y g'pgy 'vej pqmji kgu'dgkpi 'ko r ngo gpvg' 'y kn' f go qputcvg'c'y c{ 'vq'tgf weg'r qy gt'r rcpv'go kuukpu'y j kej 'ko r tqxgu'ck'ts wcrk{ 0" Cffkkqpcmf{.'y g'wug'qh'y g'pgy 'tghki gtecpv'kp'y g'ej kngt'u{ ugo 'y kn'uj qy ecug'c" tghki gtecpv'i cu'y cv'f qgu'pqt'guwv'kp'utcvqur j gte'q| qpg'f gr ngvkp'cpf 'ku'pqv'c'r qvgpv' i tggpj qwug'i cu'0"

Vy q'qh'y g'o ckp'r tqlgeu'ctg'y g'egptcn'r rcpv'w i tcf g'qh'y g'dwrf kpi 'ej kngtu'cpf " eqqrkpi 'vqy gtu.'cpf 'y g'tgtqhk'qh'y g'rdqtcvt{ ō'hwo g'j qqf 'gzj cwu'u{ ugo 0'Dcugf "qp" y g'gpi kpggtkpi 'cpf 'r rcpkpi 'vq'f cvg.'cf f kqpcn'equu'j cxg'dggp'kewt'gf 'vq'cf f tguu' wphqtguggp'gxr gpugu'cpf 'vq'o czko k g'ghlekpe{ 'cpf 'hpi gxk{ 0"Uqo g'qh'y gug'equu'ctg" dgkpi 'eqxgtgf 'y kj 'EGE'i tcpv'hwpf kpi 'd{ 'tgf welkpi 'y g'ueqr g'qh'qy gt'eqo r qpgrw'qh' y g'r tqlgev.'kpenw kpi 'y g'F E'NGF 'rdqtcvt{ 'rki j vki 'eqo r qpgrv'qh'y g'r tqlgev0" J qy gxgt.'cf f kqpcn'equu'uj ctg'htqo 'Uqwj 'Eqcu'CS O F 'y kn'dg'pggf gf 'hqt'y g'egptcn' r rcpv'w i tcf g'cpf 'y g'rdqtcvt{ 'tgtqhk'hqt'y g'r tqlgeu'vq'dg'uweegu'hwf0"

## Proposal"

Vq'o czko k g'y g'ghlekpe{ 'cpf 'hwpevkqpcrk{ 'qh'y g'pgy 'u{ ugo u.'pgy "grgo gpw'j cxg" dggp'cf f gf 'vq'y g'ueqr g'qh'y g'r tqlgev0'Hqt'y g'egptcn'r rcpv.'c'pgy 'y cvgt'tgcvo gpv' u{ ugo 'ku'dgkpi 'r tqr qugf 'vq'r tgxgpv'eqtqkqp0'Hqt'uko kct'r wtr qugu.'y g'eqqrkpi 'vqy gtu' y kn'dg'hwu' 'hwgf 'kp'ucv'kpgu'uvggn'cpf 'y g'r k kpi 'o cvgtknu'cmpi 'y kj 'y g'kpgtkqt'qh' y g'ej kngtu'y kn'dg'w i tcf gf 'o cvgtknu'qt'gr qz{ 'tgcvgf 'vq'o kpo k g'eqttqkxg"



eqpf kkpup0"Vj gug'o gcwtgu'y knr tqmipi 'y g'rhgur cp'qh'y g'pgy 'u{ ugo 'cpf 'tgf weg'y g'  
pggf 'hqt'hwmtg'tgr cktu0'  
"

Vj g'tgs wguv'hqt'cf f kkpncrhwpf kpi 'kp'y g'Y knf cp'eqptcevl'penmf gu'cp'cf f kkpncr'equv'vq"  
tgtqhk'y g'rdqtcvqt{ 'hwo g'j qqf 'eqptqnu'cpf 'hwo g'j qqf 'gzj cwuv'htqo 'eqpucpv'hqy 'vq"  
xctkcdng'hqy 0'F wtkpi 'y g'gpi kpggtkpi 'r j cug'qh'y ku'r tqlgev.'k'y cu'hqwpf 'y cv'y g"  
gzkukpi 'hwo g'j qqf 'gzj cwuv'cekf 'uetwddgt'wplv'ku'j gcxkn' 'eqttqf gf 'htqo 'wug'qh'cekf u"  
tgs wktgf 'hqt'uco r ng'gzvcevkpu'qh'vzke'o gvcn0"Vj g'tgr mego gpv'qh'y g'hwo g'j qqf "  
gzj cwuv'cekf 'uetwddgt'wplv'y cu'pqv'qtki kpcmf 'cpv'ekr cvgf 'cpf 'pqv'penmf gf 'kp'y g'kpkkn'  
dwfi gx0'  
"

Hwpf kpi 'ku'cnuq'dgkpi 'tgs wguvgf 'f wg'vq'wpcpv'ekr cvgf 'eqputwekqp'rdqt'cpf 'o cvgtknu"  
equv'kpetgcugu'ukpeg'4238.'y j gp'y g'EGE'i tcpv'cr r ncevkqp'y cu'qtki kpcmf 'uwo kwgf 'd{ "  
UECS O F 'cpf 'Y knf cp0"Ur gek'ecmf .rdqt'equu'j cxg'i qpg'wr 'd{ 'cdqw'5/6' "c'{ gct."  
cpf 'uvggnr tlegu'ctg'j ki j gt'vqf c{ 'y cp'y g{ 'y gtg'kp'42380"Qy gt'wphqt guggp'equu"  
tguwngf 'htqo 'utwewtcn'ej cpi gu'tgs wktgf 'vq'dgwgt'ceeo o qf cvg'y g'gzkukpi 'dwkf kpi 0'  
"

Eqpvkpi gpe{ 'hwpf u'ctg'cnuq'dgkpi 'tgs wguvgf 'vq'r tgr ctg'hqt'hwmtg'wphqt guggp"  
ekewo ucpegu'y cv'o c{ 'r qvgpv'cmf 'qeewt 'f wg'vq'y g'ci g'qh'y g'dwrf kpi . 'penmf kpi "  
tgr mekpi 'cf f kkpncr'eqttqf gf 'r kr kpi 'kp'y g'egptcrl'eqqkpi 'r rcpv.'pggf kpi 'cf f kkpncr'  
utwewtcn'f guki p'cpf 'ej cpi gu'cu'c'tguwn'qh'wppny pu'f kueqxtgf 'f wtkpi 'f go qrkakp.'qt"  
pggf kpi 'vq'tgr ckt ltr meg'cf f kkpncr'uwr r qt v'gs wkr o gpv0'  
"

C"uwo o ct{ 'qh'y g'cf f kkpncr'hwpf kpi 'dgkpi 'tgs wguvgf 'ku'r tqxkf gf 'kp'y g'vcdng'dgmty <""

**Table 1. Additional Funding Being Requested**

Tgs wguvgf 'Hwpf kpi "	Co qwpv'	F guetkr vkqp"
Egptcrl'r rcpv'	&572.222"	Cf f kkpncr'eqttqkqp'r t gxp vkqp" gs wkr o gpv'cpf 'r t qeguugu.'uwej "cu" tgr mekpi 'y g'y cvgt'v gcvo gpv'u{ ugo 'cpf " wr i tcf kpi 'y g'eqqkpi 'vqy gtu="wr i tcf gf " ugpuqtu'vq'qr vko k g'o qpkqtkpi 'cpf " eqptqnu=i gpgtcrl'kpetgcug'kp'equu'qh" eqputwekqp'rdqt'cpf 'o cvgtknu'"
Ncdqtcvqt{ 'hwo g'j qqf u"	&87.222"	Tgr mego gpv'qh'gzkukpi 'j gcxkn' " eqttqf gf 'hwo g'j qqf 'gzj cwuv'cekf " uetwddgt'wplv'"
Eqpvkpi gpe{ 'hwpf u.'vq'dg" cf f gf 'qpn' 'cu'pgeguuct{ "	&472.222"	Hqt'wpcpv'ekr cvgf 'equu'f wtkpi " f go qrkakp'cpf 'kpuv'cmevkqp'"
Vqvcn"	&887.222"	"

"

"



DQCTF 'O GGVK I 'F CVG<"Ugr vgo dgt'8."423; "

CI GP F C "P Q0"9"

RTQRQUCN<"

Crr tqxg'Eqpvtcev'Cy ctf u'cpf 'O qf khec vkpu'cu'Crr tqxgf 'd{ " O UTE"

U P QRUK<"

Cu'r ctv'qh'y gk'H u'423: /43"Y qtniRtqi tco . 'y g'O UTE"err tqxgf " c'eqpvtcev'ht'r tqi tco o c'le"qwtgcej "ugt xlegu'ht'y g'O UTE." cr r tqxgf "cp"cy ctf "q'r tqxkf g"gzr tgu'dwu'ugt xleg"q'y g'Qtcpi g" Eqwpv' Hck'lp"423; "cpf "4242."cpf "cr r tqxgf "gz gtekulpi "y g" eqpvtcev'qr vkp'y kj "I gqi tcr j leu'ht'eqp vkpwc vkp'qh'y gduk g" ugt xlegu'ht'y q'o qtg" { gctu0Cu'r ctv'qh'y gk'H u'4236/38"Y qtni Rtqi tco . 'y g'O UTE"err tqxgf "c'o qf khec vkp'q" c'eqpvtcev'wpf gt" y g'NqecnI qxgtpo gpv'O cvej "Rtqi tco 0Cv'y ku'ko g'y g'O UTE" uggm'Dqctf "cr r tqxcn'qh'y g'eqpvtcev'cy ctf u'cpf "o qf khec vkpu'cu" r ctv'qh'y g'H u'4236/38"cpf "423: /43"Y qtniRtqi tco u0

EQO O KVVGG<"

O qdkg'Uqwtg'Ck'Rqmwkqp'Tgf we vkp'Tgxkg . 'Lwpg'42"cpf " Cwi wuv'37."423; =Tgeqo o gpf gf "ht'Rr tqxcn'

TGEQO O GP F GF "CEVKQPU<"

- 30 Crr tqxg" c'eqpvtcev'y kj "Dgwt"Y qtrf "I tqwr "Cf xku tu'lp"cp"co qwpv'pqv'q"gzeggf &472.222'ht'r tqi tco o c'le"qwtgcej "ugt xlegu'ht'y g'O UTE"ht'c'y tgg/ { gct'r gtlqf cu'r ctv'qh'err tqxcn'qh'y g'H u'423: /43"Y qtniRtqi tco "y kj "cp"qr vkp'ercwug'ht'cp cf f kkp cn' y q/ { gct'r gtlqf . 'uwlge v'q"cr r tqxcn'lp'hwmtg'd{ 'y g'O UTE"cpf "Uqw j Eqcu'CS O F "Dqctf +."cu'f guetkdgf "lp'y ku'rgwt=
- 40 Crr tqxg" c'eqpvtcev'y kj "y g'Qtcpi g'Eqwpv' "Vtcur qtvc vkp"Cwj qtkv' "QEV C+lp"cp co qwpv'pqv'q"gzeggf "&68: .4; : "wpf gt"y g'O clqt"Gxgpv'Egpvt"Vtcur qtvc vkp Rtqi tco "q'r tqxkf g"gzr tgu'dwu'ugt xleg"q'y g'Qtcpi g'Eqwpv' Hck'lp"423; "cpf "4242. cu'r ctv'qh'err tqxcn'qh'y g'H u'423: /43"Y qtniRtqi tco . "cu'f guetkdgf "lp'y ku'rgwt=
- 50 Crr tqxg"gz gtekulpi "qr vkp'y kj "I gqi tcr j leu'q'eqp vkpwc y gduk g'ugt xlegu'ht'y q cf f kkp cn' { gctu. lpetgcukpi "eqpvtcev'xcw g'd{ "&9.722."cu'r ctv'qh'err tqxcn'qh'y g'H u 423: /43"Y qtniRtqi tco . "cu'f guetkdgf "lp'y ku'rgwt=
- 60 Crr tqxg"o qf kkgf "eqpvtcev'y kj "Ekv' "qh'Nqpi "Dgcej . 'tgf we kpi "y g'qvcn'pwo dgt'qh xgj lergu'q'dg'r wej cugf "Itqo '8; "q'89."cu'r ctv'qh'err tqxcn'qh'y g'H u'4236/38 Y qtniRtqi tco . "cu'f guetkdgf "lp'y ku'rgwt=
- 70 Cwj qtk g'O UTE"y g'cwj qtkv' "q'cf lwu'eqpvtcev'cy ctf u'wv "q'hxg'r gtegpv"cu pgeguuct { "cpf "r tgxkwun' "i tcpvgf "lp'r tkqt"y qtniRtqi tco u=cpf

"	"	"	"	"	"	Nctt{ 'O eEcmp"
"	"	"	"	"	"	Ej ckt. 'O UTE"

000 P D E T"

## Background

Kp'Ugr vgo dgt'3; ; 2.'Cuugo dñl "Dknl'4988'y cu'uki pgf "kpq'ncy \*J gcnj "( 'Uchgv' 'Eqf g"  
 Ugevkpu'66442/66469+'cwj qtk kpi "y g'ko r quksqp'qh'cp'cppwcn'&6'o qvqt'xgj keng"  
 tgi kntcvkp'hgg'vq'hwpf "y g'ko r ngo gpvcqp'qh'r tqi tco u'gzemuxgn' "vq'tgf weg'ckt"  
 r qmwkp'hqo "o qvqt'xgj kengu0CD'4988'r tqxf gu'y cv'52'r gtegpv'qh'y g'cppwcn'&6'xgj keng"  
 tgi kntcvkp'hgg'uwdxpgpf "vq'y g'Uqwj 'Eqcu'CS O F "dg'r negf "kpq'cp'ceeqwpv'vq'dg"  
 cmqecvgf 'r wuwpv'vq'c'y qtmr tqi tco 'f gxgnr gf "cpf 'cf qr vgf 'd{ 'y g'O UTE'cpf 'cr r tqxf "  
 d{ 'y g'Dqctf 0'

## Outreach

Kp"ceeqtf cpeg'y kj "Uqwj "EqcuVCS O F æ'Rtqewtgo gpvRqrle{ "cpf "Rtqegf wtg."r vdrle"  
 pqvlegu'cf xgtvulpi "y g'Rtqi tco o cve"Qwtgcej "Ugtxlegu'cpf "O clqt"Gxgpv'Egpvt"  
 Vtcur qtvcvqp'Rtqi tco u'uqrlekcvcvpu'y gtg'r vdrkuj gf "kp'y g'Nqu'Cpi grgu'Vlo gu."y g"  
 Qtcpi g'Eqpwp' "T gi kvgt."y g'Ucp'Dgtptcf kpq"Uwp."cpf "Tkgutkf g'Eqpwp' "Rtgu'Gpvgtr tkug"  
 pgy ur cr gtu'v'rgxgtci g'y g'o quv'equv'ghgevxg'o gj qf "qh'qwtgcej "v'y g'Uqwj "EqcuV"  
 Dculp0Kp"cf f kkp."y g'uqrlekcvcvpu'y gtg'cf xgtvugf "kp'y g'F gugtv'Uwp'pgy ur cr gt'ht"  
 gZr cpf gf "qwtgcej "kp'y g'Eqcej gmc"Xcng{ 0'  
 "

Cf f k k p c m f . " r q g p v k n d f f g t u " o c { " j c x g " d g g p " p q v h e c f " w k k l p i " U q w j " E q c u v " C S O F æ " q y p " g r e v t p l e " h u k p i " q h " e g t v h e f " o k p q t k v " x g p f q t u O P q v e g " q h " j g " u q n e k c v k p u " y c u " g / o c k n f " v q " j g " D r e m " c p f " N e v k p q " N g i k u r v x g " E c w e w u g u " c p f " x c t k q w u " o k p q t k v " e j c o d g t u " q h " e q o o g t e g " c p f " d w u k p g u u " c u u q e k v k p u . " c p f " r n e g f " q p " j g " k v g t p g v " c v " U q w j " E q c u v " C S O F æ " y g d u k g " \* j w r < l y y y Q e s o f f q x + 0 H m j g t . " j g " u q n e k c v k p u " y g t g " r q u n f " q p " j g " O U T E æ " y g d u k g " c v j w r < l y y y Q e n g p v t c p u r q t v k q h m p f l p i Q t i " c p f " g r e v t p l e " p q v h e c v k p u " y g t g " u g p v " v q " j q u g " u w d u e t k d l p i " v q " j k u " y g d u k g u " p q v h e c v k p " u g t x l e g 0 " "

## Proposals

Cv'ku'Ly'pg'42'cpf 'Cwi wuv'37.'423; 'o gg'kpi u.'v'j g'O UTE'eqpukf'gtgf't'geqo o'gpf cv'kpu'  
htqo 'ku'O UTE/VCE'cpf 'cr'rtq'xgf'v'j g'h'mqy kpi <

Rtqi tco o cyle"Qwtgcej "Ugtxkegu"

hqt"cpqj gt"y q/{ gct"r gtlkf 0Vj g"ugrgev"eqptcev"y qwf "cuukv"kp"r tqo qvpi "y g"  
 O UTE"Ergep"Vtcur qtvcqp"Hwpf lpi "VO"r tqi tco u"cu"y gmi"cu"r tqxkf lpi "qwtgcej "  
 cuukvcepg"v"ewttgvp"cpf "r tqur gevkg"O UTE"r tqigevo r ngo gpvgtu0Vj g"THR"y cu"tgrgcugf "  
 qp"O c{ "5."423; 0"C"vqcnlqh"y q"r tqur qucnl"y gtg"tgegkxgf "d{ "y g"emulpi "f cvg"qp"Lypg"3; ."423;  
 0Vj g"r tqur qucnl"y gtg"tgxkgy gf "d{ "c"r cpnleqo r tkugf "qh"b go dgtu"qh"y g"O UTE"u"  
 Vgej plecnlCf xkuqt{ "Eqo o kwgg0Vj g"O UTE"cr r tqxgf "c"eqptcev"cy ctf "v"Dgwtg"Y qtrf "  
 I tqwr "Cf xkuqtu"lp"cp"co qwpv"pqv"v"gzeggf "&472.222"ht"y g"dcug"y tgg/{ gct"r gtlkf "cu"  
 r ctv"qh"y g"Hl u"423: /43"Y qtnlRtqi tco . "y kj "cp"qr vkp"ercwug"ht"cp"cf f kklpcn"y q/{ gct"  
 r gtlkf "uwlge"v"cr r tqxcnld{ "y g"O UTE"cpf "Uqwj "Eqcu"CS O F "Dqctf "cv"c"rcvg"t"fcvg0

#### O clqt"Gxgpv"Egpvt"Vtcur qtvcqp"Rtqi tco "

Cu"r ctv"qh"ku"Hl u"423: /43"Y qtnlRtqi tco . "y g"O UTE"cmqecvgf "&80"o knkqp"ht"gxgpv"  
 egpvt"tcur qtvcqp"r tqi tco u"cpf "tgrgcugf "Rtqi tco "Cpqpwpgo gpv"RC423; /250Vj g"  
 Rtqi tco "Cpqpwpgo gpv"uqneku"cr r necvkpu"htgo "s wcrkh"lpi "o clqt"gxgpv"egpvtu"cpf lqt"  
 tcur qtvcqp"r tqxkf gtu"v"r tqxkf g"tcur qtvcqp"ugtxleg"ht"xgpwgu"pqvewttgvp"ugtxgf "  
 d{ "uwlhkegpv"tcur qtvcqp"ugtxleg0Vq"fcvg. "y g"O UTE"j cu"cy ctf gf "c"vqcnlqh"  
 &3.385.6: 70Vj g"O UTE"eqpukf gtgf "tgeqo o gpf cvkpu"eqpegtplpi "cp"cf f kklpcn"  
 cr r necvkp"uwo kwgf "d{ "QEVC0QEVC"tgs wugf "y g"O UTE"v"eqpukf gt"cp"cy ctf "qh"  
 &68: .4; : "v"r tqxkf g"gzr tgu"du"ugtxleg"v"y g"Qtcp"i g"Eqwpv{ "Hck"lp"Equc"O guc0"  
 Ugtxleg"y qwf "dg"r tqxkf gf "qp"plpg"tqwgudgy ggp"gzkupi "tcpu"l"heckkku"cpf "y g"Hck."  
 qp"Ucwtf c{ u"cpf "Uwpf c{ u"ht"cmhkg"y ggngpf u"qh"y g"423; "cpf "4242"Hck"ugcuqpu0Vj g"  
 ugtxleg"y knlwnk" g"öpgct/ gtqö"EPI "dwugu"cu"y gmi"cu"qpg"j { f tqi gp"hwgnegm"du0QEVC"  
 cpf "ku"r ctvgtu"ctg"eqo o kwgf "v"r tqxkf g"cvrgcu"&739: 35"lp"eq/hwpf lpi "eqptkdwkpu"v"  
 y g"qr gtcvkp"cpf "o ctngvpi "qh"y g"r tqi tco 0Vj g"O UTE"cr r tqxgf "c"eqptcev"cy ctf "v"  
 QEVC"lp"cp"co qwpv"pqv"v"gzeggf "&68: .4; : "cu"r ctv"qh"y g"Hl u"423: /43"Y qtnlRtqi tco "  
 ht"y g"Qtcp"i g"Eqwpv{ "Hck"Gzr tgu"du"ugtxleg0

#### Gzgtekg"Or vkp"ht"Y gdukg"Ugtxlegu"

Hqmqy lpi "cp"qr gp"THR"r tqeguu"y g"O UTE"gpvtgf "lpv"ku"ewttgvp"eqptcev"y kj "  
 I gqi tcr j leu"ht"fcguk p."j quvpi "cpf "o clpvgpcpeg"qh"y g"O UTE"y gdukg0Vj g"eqptcev"  
 cmqy gf "ht"c"y q/{ gct"gzvgpukp"eqvpi gpv"wr qp"cmqecvkp"qh"hwfp u"d{ "y g"O UTE"cpf "  
 cr r tqxcnld{ "y g"Uqwj "Eqcu"CS O F "I qxgtplpi "Dqctf 0F wg"v"cp"gttqt"y j gp"y g"eqptcev"  
 y cu"qtki kpcm"y tkwgp."y g"eqptcev"fgu"pqv"gzr ktg"wpvnlHgdwtct{ "42."42430J qy gxgt."y g"  
 eqptcev"qpn"r tqxkf gu"j quvpi "cpf "o clpvgpcpeg"hwfp lpi "y tqwi j "Lwn{ "423; 0O UTE"uclh"  
 tgxkgy gf "I gqi tcr j leu"r gthqto cpeg"cpf "hwfp "y cv"y g{ "y qtngf "y gmi"y kj "uclh"cpf "qv gt"  
 ng{ "ucngj qrf gtu"v"lf gpvhl"pggf u"fwtkpi "y g"fxgmqr o gpv"r tqeguu0I gqi tcr j leu"j cu"cnq"  
 r gthqto gf "y gmi"uwdugs wgpv"v"ukg"rcwpej 0Vj g"O UTE"cr r tqxgf "gzgtekg"y g"qr vkp"cpf "  
 kpetgcukpi "y g"eqptcev"xcnw"gd{ "&9.722."ht"c"pgy "vqcnleqptcev"xcnw"qh"&92.262."cu"r ctv"  
 qh"y g"Hl u"423: /43"Y qtnlRtqi tco 0

#### NqecnI qxgtpo gpv"O cvej "Rtqi tco "

kp"Cwi wu"4237."cu"r ctv"qh"y g"Hl u"4236/38"NqecnI qxgtpo gpv"O cvej "Rtqi tco . "y g"  
 O UTE"cr r tqxgf "cp"cy ctf "v"y g"Ekv{ "qh"Nqpi "Dgej "v"lpucm"lcpf "EPI "ucvkp"cpf "  
 r wtej cug"6: "o gf kwo /f wv{ "cpf "38"j gcx{/f wv{ "pcwtcnl cu"xgi kengu0Uwdugs wgpv{ "y g"  
 O UTE"cpf "y g"Uqwj "Eqcu"CS O F "cr r tqxgf "c"o qf hkecvkp"v"lpetgcug"y g"pwo dgt"qh"

xgj kergu'vq'72'o gf kwo /f wv' "cpf '3; 'j gcx{/f wv' .y kj 'pq'ej cpi g'vq'vj g'qxgtcm'O UTE "  
hwpf kpi "co qwpv'0Vj g'Ekv' 'j cu'ukpeg'tgcrk' gf 'hwt'vj gt'ej cpi gu'kp'vj gk't'xgj kerg'tgr nrego gpv'  
uej gf wrg.'tguwnkpi 'kp'c'tgf wegf 'pwo dgt'qh'j gcx{/f wv' 'xgj kerg'pggf gf 0Vj g'Ekv' 'tgs wguu'  
vq'tgf wegf'vj g'pwo dgt'qh'xgj kergu'vq'72'o gf kwo /f wv' "cpf '39'j gcx{/f wv' 0P qto cm' .vj g"  
O UTE'y qwrf 'pqv'eqpuk' gt'c'tgf wev'kp'kp'ueqr g'y kj qw'c'eqttgur qpf kpi 'tgf wev'kp'kp'  
xcnwg.'dw'vj g'Ekv' au'tgs wguv'gf 'ej cpi g'y qwrf 'u'kn'tguwn'kp'o qtg'xgj kergu'dgkpi 'r wtej cugf "  
vj cp'qtki kpcmf 'r tqr qugf 0Vj g'O UTE'eqpuk' gtgf 'cpf 'cr r tqxgf 'vj g'Ekv' au'tgs wguv'gf "  
eqpv'tcev'o qf kkecv'kp'o'

Cv'vj ku'k'o g. 'vj g'O UTE'tgs wguu'vj g'UECS O F 'Dqctf 'vq'cr r tqxg'vj g'eqpv'tcev'cy ctf u'cpf "  
o qf kkecv'kpu'cu'r ctv'qh'cr r tqxcr'qh'vj g'H' u'4236/38'cpf '423: /43'CD'4988"  
F kuetgv'kpct{ 'Hwpf 'Y qtni'Rtqi tco u'cu'qwn'kpgf 'cdqxg0Vj g'O UTE'cnuq'tgs wguu'vj g"  
Dqctf 'vq'cwj qtk' g'vj g'UECS O F 'Ej cko cp'qh'vj g'Dqctf 'vj g'cwj qtk' 'vq'gzgewg'cm'  
ci tggo gpv'f guetkdgf 'kp'vj ku'rgwt0Vj g'O UTE'hwt'vj gt'tgs wguu'cwj qtk' 'vq'cf lwv'vj g"  
hwpf u'cmqecv'gf 'vq'gcej 'r tqlgv'ur gek'k'gf 'kp'vj ku'Dqctf 'rgwt'd{ 'wr 'vq'h'xg'r gtegpv'qh'vj g"  
r tqlgv'au'tgeqo o gpv'gf 'hwpf kpi 0Vj g'Dqctf 'j cu'i tcpv'gf 'vj ku'cwj qtk' 'vq'vj g'O UTE'hqt "  
cm'r cu'Y qtni'Rtqi tco u'

## Resource Impacts

Vj g'UECS O F 'cevu'cu'hkuecn'cf o kpkv'tcv'qt'hqt'vj g'CD'4988'F kuetgv'kpct{ 'Hwpf 'Rtqi tco "  
\*J gcmj '( 'Uchgv' 'Eqf g'Ugev'kp'66465+00 qpg{ 'tgegk'xgf 'hqt'vj ku'r tqi tco 'ku'tgeqtf gf 'kp'c"  
ur gekn'tgxgpwg'hwpf '\*Hwpf '45+'cpf 'vj g'eqpv'tcevu'ur gek'k'gf 'j gtgk'y kn'dg'f tcy p'htqo 'vj ku'  
hwpf 0'

DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC"PQ0": "

RTQRQUCN<"

Tgs wguvCrr tqxn'qh'Rtqr qugf "O go dgtuj kr "Tquvgtu'hqt"Ckt'S wcrkv{ "  
O cpci go gpv'Rncp"Cf xkuqt{ "I tqwr "cpf "Uelgpvhke."Vgej plecn"cpf "  
O qf grkpi "Rggt'Tgxkgy "Cf xkuqt{ "I tqwr ""

U PQRUKJ"

Uchh'ku'tgeqo o gpf kpi "o go dgtuj kr "hqt"vj g"CS OR"Cf xkuqt{ "I tqwr "  
cpf "vj g"Uelgpvhke."Vgej plecn"cpf "O qf grkpi "Rggt'Tgxkgy "UVO RT+ "  
Cf xkuqt{ "I tqwr "hqt"c"pgy "hqt/{ gct'vgo 0Vj g'ewtgpv'vgo "qh"  
vj gug"Cf xkuqt{ "I tqwr u"j cu'gzkgtf."cpf "vj g{ "ctg"pggf gf "vq"cuukuv"  
uchh'kp"vj g"f gxgnr o gpv'qh'vj g"4244"CS ORUchh'ku"  
tgeqo o gpf kpi "c'hqt/{ gct"o go dgtuj kr "vgo "dgecwug"qh'vj g"4244"  
CS OR"uej gf wgoVj g"CS OR"Cf xkuqt{ "I tqwr "ku'eqo r tkugf "qh"  
tgrtgugpvcxgu'htqo "gpxktqpo gpvcnleqo o wpkv{ "i tqwr u."  
i qxgtpo gpv'ci gpeku."cecf go lc."cpf "dwukpguu="cpf "vj g"UVO RT"  
Cf xkuqt{ "I tqwr "kpenw gu'gzkgtu'kp"vj g"hguf u'qh'uqekqgeqpqo ke"  
o qf grkpi ."ckt"s wcrkv{ "o qf grkpi ."ckt"s wcrkv{ "cpf "o gvgqtqmi lecn"  
o qpkqtkpi ."cpf "cwo qur j gtle"uelgpeg0Vj gug"Cf xkuqt{ "I tqwr u'y kni"  
tgxkgy "cpf "o cng'tgeqo o gpf cvkpu"vq"uchh'tgi ctf kpi "vj g"  
ko r ngo gpvcvqp"qh'vj g"4238"CS OR"cpf "f gxgnr o gpv'qh'vj g"4244"  
CS OR0Vj ku'cevqp"ku'vq"uggm'lcrr tqxn'qh'vj g'r tqr qugf "  
o go dgtuj kr "tquvgtu'hqt"vj g"CS OR"cpf "UVO RT"Cf xkuqt{ "I tqwr u0

EQO O KVVGG<"

Pq'Ego o kwgg'Tgxkgy "

TGEQO O GPFGF "CEVKQP <"

Crr tqxg'r tqr qugf "o go dgtuj kr "tquvgtu'hqt"vj g"CS OR"Cf xkuqt{ "I tqwr "Cwcej o gpv'C+ "  
cpf "UVO RT"Cf xkuqt{ "I tqwr "Cwcej o gpv'D+hqt"c"pgy "hqt/{ gct'vgo 0"

Y c{pg"Pcwtk"

Gzgewkxg"Qhhlegt"

## Background

kp'Leprwct { "3; ; 9."y g'Uqwj 'Eqcu' Ck'S wcrk\ 'O cpci go gpv'F kurtlev\*Uqwj 'Eqcu' CS O F +Dqctf 'hqt o gf 'ukz 'Cf xkuqt { 'I tqwr u'v'q'r tqxkf g'cf xleg'cpf 'tgeqo o gpf cwkpu'v' Dqctf 'Eqo o kwggu'cpf 'y g'Dqctf 'qp'ur gekhe'ct gcu'qh'g'zr gt'v'ug'0'kp'F gego dgt '4224."y g' Dqctf 'cf qr vgf 'y g'Dw'g'Tkddqp'Rcpgr'tgeqo o gpf cwkpu'tgi ctf kpi 'y g'f wkgu'cpf " cev'x'k'kgu'qh'y g'Cf xkuqt { 'Eqwpeki'cpf 'y g'Cf xkuqt { 'I tqwr u'0'Ukpeg'y gp.'y g'CS O R' Cf xkuqt { 'I tqwr 'cpf 'y g'Uelgp'v'khe."Vgej plec'n'cpf 'O qf g'rkpi 'Rggt 'Tgxkgy "UVO RT+" Cf xkuqt { 'I tqwr u'j cxg'eqp'v'kdwgf 'v'q'y g'f gxgnr o gpv'qh'y g'qxgtcni'cur gew'qh'y g' tgi kpp'v'CS O Ru'cpf 'j cxg'o cf g'tgeqo o gpf cwkpu'eqpegt'kpi 'r q'rk { .'eqp'v'q'n'o gcuwt'gu." uqekq/geqp'qo le'ko r cev'."go kuuk'p'kpxgp'v'k'gu."cpf 'o qf g'rkpi '0'Ur gekhe'cm { .'y gug" cf xkuqt { 'i tqwr u'3+'t'gxkgy 'cpf 'r tqxkf g'eqo o gpw'qp'<\*c+'u'w'f'kgu't'g'ng'x'cp'v'q'cf x'c'pekpi " uelgp'v'khe'cpf 'v'gej plec'n'hp'qy ng'f i g'kp'uw'r q't'v'qh'CS O R'r tgr c't'c'v'kp."\*d+'go kuuk'p'u" kpxgp'v'q' { 'f gxgnr o gpv'cpf 'o qf g'rkpi 'cr r tqej gu."\*e+'y g'f gxgnr o gpv'qh'p'gy 'cpf " t'gx'k'ug'f 'eqp'v'q'n'ut'cv'gi k'gu."k'p'ew'f'kpi 'qp/cpf 'q'h't'q'cf 'o q'd'k'g'u'q'w'tegu."cpf '\*f '+' uqekq/geqp'qo le'f'c'v'cpf 'g'x'c'w'c'v'k'p'u'4+'h'q'w'gt 'eqq't'f'k'p'c'v'gf 'cr r tqej gu'v'qy ctf 'q'x'g't'c'm' c'w'c'k'p'o gpv'ut'cv'gi k'gu'='cpf '5+'c'u'k'u'v'k'p't'g'u'q'k'k'p'i 'ng { 'v'gej plec'n'k'u'w'gu'0' "

Vj g'CS O R'cpf 'UVO RT'Cf xkuqt { 'I tqwr 'o go dgtu'ctg'cr r q'k'p'w'gf 'd { 'y g'Uqwj 'Eqcu' CS O F 'Dqctf '0'Vj g'r tq'q'ug'f 'o go dgtuj k' 'hqt'y g'CS O R'Cf xkuqt { 'I tqwr 'ku'eqo r t'k'ug'f " q'h'c'et'qu'u'uge'v'k'p'q'h'f'k'x'g't'ug'v'c'ng'j q'rf g'tu'cpf 't'gr t'g'ug'p'v'c'v'k'g'u'ht'q'o " eqo o w'p'k'v' l'gp'x'k'q'p'o gp'v'c'n'i tqwr u.'m'd'q't.'cecf go k'c.'m'ti g'luo c'm'd'w'k'p'guu.'t'q'ec'n' i q'x'g't'p'o gpv'ci g'pek'gu."cpf 'ht'q'o 'r tq'q'ug'f 'o go dgtu'qh'y g'UVO RT'Cf xkuqt { 'I tqwr '0'Vj g' r tq'q'ug'f 'o go dgtuj k' 'hqt'y g'UVO RT'Cf xkuqt { 'I tqwr 'ku'eqo r t'k'ug'f 'q'h'g'zr g't'u'k'p'y g' h'g'f' u'q'h'uqekq/geqp'qo le'o qf g'rkpi ."c'k't's w'c'r'k'v' { 'o qf g'rkpi ."c'k't's w'c'r'k'v' { 'cpf 'o g'v'g't'q'm'q'i k'ec'n' o q'p'k'q't'k'p'i ."cpf 'c'v'o q'ur j g't'k'e'uelg'p'eg'0'Vj g'r t'g'x'k'q'w'u'o go dgtuj k' 't'q'u'v'g'tu'hqt'd'q'y " cf xkuqt { 'i tqwr u'y g't'g'cr r tq'x'g'f 'k'p'H'g'd't'w'c't { '4236'hqt'c'y t'g'g' / { g'c't'v'g'to ."g'z'r k'k'p'i 'k'p' 42390"" "

Vj g'pg'z'v'CS O R.'y j k'ej 'y k'm'r t'k'o c't'k'n { 'c'f f't'g'u'u'y g'4237': /j q'w't'q'l q'p'g'u'w'c'p'f c't'f 'k'p'y g' Uqwj 'Eqcu' Ck'D'culp'\*D'culp+.'o w'u'v'd'g'u'w'd'o k'w'g'f 'v'q'y g'W'U'G'R'C'd { 'C'w'i w'u'v'42440'V'q' o g'g'v'y k'u'f'g'c'f'k'p'g.'u'c'h'h'c't'g'd'gi k'p'p'k'p'i 'y q't'n'q'p'y g'4244'CS O R'0'V'q'c'u'k'u'v'u'c'h'h'k'p'y g' f'g'x'g'n'r o gpv'qh'y g'4244'CS O R.'y g'CS O R'cpf 'UVO RT'Cf xkuqt { 'I tqwr u'p'g'g'f 'v'q'd'g' t'g'eq'p'x'g'p'g'f 'cpf 'y g'k't'o go dgtuj k' 't'q'u'v'g'tu'w'r f'c'v'g'f'0' "

## Proposal

U'c'h'h'k'u'r tq'r q'uk'p'i 'p'gy 'o go dgtuj k' 't'q'u'v'g'tu'hqt'y g'CS O R'cpf 'UVO RT'Cf xkuqt { " I tqwr u'v'q'c'u'k'u'v'k'p'y g'f'g'x'g'n'r o gpv'qh'y g'4244'CS O R'0'Vj g'Cf xkuqt { 'I tqwr u'y k'm'c'nu'q' c'u'k'u'v'k'p'y g'k'o r ng'o gp'v'c'v'k'p'q'h'y g'4238'CS O R'\*g'0'0'ej c'ng'p'i gu't'gi c't'f'k'p'i 'y g'3; ; 9': / j q'w't'q'l q'p'g'u'w'c'p'f c't'f 'c'w'c'k'p'o gpv'k'p'y g'D'culp'k'p'4245+0'Vj g'Cf xkuqt { 'I tqwr u'y k'm'o g'g'v' y t'q'w'i j q'w'v'y g' { g'c't'c'v'x'c't'k'q'w'u'ht'g's w'g'p'ek'gu'\*g'0'0'o q'p'y n'f ."s'w'c't'v'g't'n { +'f'g'r g'p'f'k'p'i 'q'p'y g' CS O R'uej g'f w'g'0' "



Vj g'r tqr qugf "pgy "o go dgtuj kr "tquvgtu'hqt"vj g'CS O R'cpf "UVO RT'Cf xkuqt {"I tqwr u"  
y gtg"fgxgmr gf "dcugf "qp"vj g'r tglxkwu"o go dgtuj kr "tquvgtu0O go dgtu'y gtg"eqphkto gf "qt"  
wrf cvgf "hqt"qti cpl cklqpu'eqpklpklpi "vq'r ctvlekr cvg"cpf "pgy "qti cpl cklqpu'y gtg"cf f gf "  
dcugf "qp"tgeqo o gpf cklqpu'htqo "uvchh"qt"cf xkuqt {"i tqwr "o go dgtu0Vj g'r tqr qugf "  
o go dgtuj kr "tquvgt'hqt"vj g'CS O R'Cf xkuqt {"I tqwr "ku'r tqxkf gf "kp"Cwcej o gpv"C'cpf "vj g"  
r tqr qugf "UVO RT'Cf xkuqt {"I tqwr "ku'r tqxkf gf "kp"Cwcej o gpv"D0"  
""

### Resource Impacts

Gzklpi "Uqwj "Eqcuw'CS O F "tguqwtegu"ctg"cf gs wcvg"vq"j quv'vj g'CS O R'cpf "vj g'UVO RT"  
cf xkuqt {"i tqwr "o ggklpi u0"  
"

### Attachments

C0 Rtqr qugf "CS O R'Cf xkuqt {"I tqwr "Tquvgt'hqt"4244'CS O R"  
D0 Rtqr qugf "UVO RT'Cf xkuqt {"I tqwr "Tquvgt'hqt"4244'CS O R

**ATTACHMENT A"****Proposed Air Quality Management Plan Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Group Type</b>	<b>Member</b>	<b>Alternate</b>
1	<b>American Coatings Association</b>	Business	David Darling	Rhett Cash
2	<b>Association of American Railroads</b>	Business	Peter Okurowski	Margot Molloy
3	<b>BizFed</b>	Business	Sarah Wiltfong	Joe Hower
4	<b>Breathe LA</b>	Environmental/ Community	Marc Carrel	
5	<b>Building Industry Association (BIA)</b>	Business	Adam Wood	Andy Henderson
6	<b>Business for Social Responsibility (BSR)</b>	Business	Nico De Golia	
7	<b>California Air Resources Board (CARB)</b>	Partner Agency	Kurt Karperos	Michael Benjamin
8	<b>California Council for Environmental and Economic Balance</b>	Business	Frances Keeler	Janet Whittick
9	<b>California Department of Transportation (Caltrans)</b>	Government Agency	Yatman Kwan	
10	<b>California Energy Commission</b>	Government Agency	Le-Quyen Nguyen	
11	<b>California League of Conservation Voters Education Fund</b>	Environmental/ Community	Matt Abularach-Macias	
12	<b>California Natural Gas Vehicle Coalition</b>	Business	Thomas Lawson	
13	<b>California Refuse Recycling Council</b>	Business	Paul Ryan	John Kelly Astor
14	<b>California Small Business Alliance</b>	Business	William La Marr	Ivan Tether
15	<b>California Trucking Association</b>	Business	Chris Shimoda	

**Proposed Air Quality Management Plan Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Group Type</b>	<b>Member</b>	<b>Alternate</b>
16	<b>Center for Community Action and Environmental Justice (CCA EJ)</b>	Environmental/ Community	Andrea Viduarre	Allen Hernandez
17	<b>Clean Energy</b>	Business	Todd Campbell	Ryan Kenny
18	<b>Coachella Valley Association of Governments (CVAG)</b>	Government Agency	Tom Kirk	Katie Barrows
19	<b>Coalition for Clean Air</b>	Environmental/ Community	Christopher Chavez	Jerilyn Mendoza
20	<b>Council of Mexican Federations in North America (CoFem)</b>	Environmental/ Community	Leoda Valenzuela	Maria Bastida
21	<b>Communities for a Better Environment</b>	Environmental/ Community	Bahram Fazeli	Julia May
22	<b>County of San Bernardino</b>	Government Agency	Otis Greer	
23	<b>Earthjustice</b>	Environmental/ Community	Adrian Martinez	Angela Johnson Meszaros
24	<b>Future Ports</b>	Business	Lakshmi Jayaram	
25	<b>Gateway Cities Council of Governments</b>	Government Agency	Nancy Pfeffer	Stephanie Cadena
26	<b>Inland Action, Inc.</b>	Business	Ken Coate	Thomas Rice
27	<b>Jet Propulsion Laboratory/NASA</b>	Government Agency	Greg Osterman	
28	<b>Kenworth Truck Company</b>	Business	Marisol Monge	
29	<b>Laborers Local 1309</b>	Labor	Josh Lafargea	
30	<b>Latham &amp; Watkins</b>	Business	Mike Carroll	Bob Wyman
31	<b>Los Angeles Area Chamber of Commerce</b>	Business	Kendal Asuncion	Olivia Lee

**Proposed Air Quality Management Plan Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Group Type</b>	<b>Member</b>	<b>Alternate</b>
32	<b>Los Angeles County Department of Public Health</b>	Government Agency	Alyssa Beltran	Katie Butler
33	<b>Los Angeles Department of Water and Power (LADWP)</b>	Government Agency	Mark Sedlacek	
34	<b>Los Angeles County Metropolitan Transportation Authority (LA Metro)</b>	Government Agency	Lori Huddleston	Steven Lee
35	<b>Los Angeles World Airports (LAWA)</b>	Government Agency	Tami McCrossen-Orr	Carter Atkins
36	<b>NAIOP, Commercial Real Estate Development Association, SoCal Chapter</b>	Business	Peter Herzog	
37	<b>Natural Resources Defense Council, Inc. (NRDC)</b>	Environmental/ Community	David Pettit	Melissa C. Lin Perrella
38	<b>Orange County Business Council</b>	Business	Lucetta Dunn	Alicia Berhow
39	<b>Orange County Council of Governments</b>	Government Agency	Marnie Primmer	
40	<b>Orange County Transportation Authority (OCTA)</b>	Government Agency	Kurt Brotcke	Greg Nord
41	<b>Pacific Merchant Shipping Association (PMSA)</b>	Business	Thomas Jelenić	Michelle Grubbs
42	<b>Physicians for Social Responsibility</b>	Environmental/ Community	Martha Dina Arguello	
43	<b>Port of Long Beach</b>	Government Agency	Heather Tomley	Matt Arms
44	<b>Port of Los Angeles</b>	Government Agency	Tim DeMoss	Teresa Pisano
45	<b>Printing Industries Association, Inc. of Southern California</b>	Business	Mike Shaffer	Lou Caron
46	<b>RadTech</b>	Business	Rita Loof	

**Proposed Air Quality Management Plan Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Group Type</b>	<b>Member</b>	<b>Alternate</b>
47	<b>Realtors Committee on Air Quality</b>	Business	Eileen Oldroyd	Sharon Butler
48	<b>Redeemer Community Partnership</b>	Environmental/ Community	Richard Parks	Nicole Wong
49	<b>Riverside County Transportation Commission (RCTC)</b>	Government Agency	Shirley Medina	Martha Masters
50	<b>San Bernardino County Transportation Authority (SBCTA)/San Bernardino Council of Governments (SBCOG)</b>	Government Agency	Steve Smith	Duane Baker
51	<b>San Bernardino County Department of Public Health</b>	Government Agency	Jason Phillippe	Adela Evans
52	<b>San Gabriel Valley Council of Governments (SGVCOG)</b>	Government Agency	Marisa Creter	Alexander Fung
53	<b>San Gabriel Valley Economic Partnership</b>	Business	Brad Jensen	
54	<b>Sierra Club</b>	Environmental/ Community	Carlo De La Cruz	Andrea Rojas
55	<b>South Bay Cities Council of Governments</b>	Government Agency	Kim Fuentes	David Leger
56	<b>Southern California Air Quality Alliance</b>	Business	Curtis Coleman	
57	<b>Southern California Alliance of Publicly Owned Treatment Works (SCAP)</b>	Government Agency	David Rothbart	
58	<b>Southern California Association of Governments</b>	Partner Agency	Rongsheng Luo	
59	<b>Southern California Contractors Association</b>	Business	Mike Lewis	James Breitling
60	<b>Southern California Edison (SCE)</b>	Business	Tammy Yamasaki	
61	<b>Southern California Gas (SoCalGas)</b>	Business	Lauren Nevitt	Dan McGivney

**Proposed Air Quality Management Plan Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

No.	Organization	Group Type	Member	Alternate
62	<b>Southern CA Leadership Council (SCLC)</b>	Business	Richard Lambros	
63	<b>United States Environmental Protection Agency (U.S. EPA), Region 9</b>	Partner Agency	Amy Zimpfer	John Ungvasky
64	<b>University of California, Los Angeles (UCLA) – Center for Sustainable Communities</b>	Academia	Robert Cudd	Felicia Federico
65	<b>Valley Industry and Commerce Association (VICA)</b>	Business	Stuart Waldman	Armando Flores
66	<b>Volvo</b>	Business	Dawn Fenton	Samuel Mclaughlin
67	<b>Western Riverside Council of Governments (WRCOG)</b>	Government Agency	Rick Bishop	Chris Gray
68	<b>Western States Petroleum Association (WSPA)</b>	Business	Bridget McCann	Patty Senecal

"  
"  
"  
"  
"  
"  
"  
"  
"  
"  
"  
"  
"

"

**ATTACHMENT B"****Proposed Scientific, Technical, and Modeling Peer Review Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Member</b>	<b>Alternate</b>
1	California Air Resources Board	Dr. Emily Wimberger	
2	California Air Resources Board	Dr. Jeremy Avise	
3	Center for Continuing Study of the California Economy	Mr. Stephen Levy	
4	Center of Economic Forecasting and Development (UC Riverside)	Dr. Robert Kleinhenz	
5	ENVIRON International Corporation	Mr. Ralph Morris	
6	Jet Propulsion Laboratory/NASA	Dr. Greg Osterman	
7	National Center for Atmospheric Research	Dr. Gabriele Pfister	
8	Regional Economic Models Inc.	Dr. Fred Treyz	
9	Sonoma Technology Inc.	Mr. Fred Lurmann	
10	Southern California Association of Governments	Dr. Frank Wen	
11	U.S. Environmental Protection Agency, Region IX	Ms. Carol Bohnenkamp	
12	U.S. Environmental Protection Agency, Washington, DC	Dr. Leland Deck	
13	University of California, Los Angeles	Dr. Pablo Saide	
14	University of California, Riverside	Dr. Kelly Barsanti	
15	University of California, Riverside	Dr. Gloria González-Rivera	
16	University of California, Irvine	Dr. Alex Gunther	

**Proposed Scientific, Technical, and Modeling Peer Review Advisory Group Roster for 2022 AQMP  
September 2019 to September 2023"**

<b>No.</b>	<b>Organization</b>	<b>Member</b>	<b>Alternate</b>
17	<b>University of California, Irvine</b>	Dr. Jean-Daniel Saphores	
18	<b>University of Southern-California</b>	Dr. George Ban Weiss	

"

"



DQCTF 'O GGVK I 'F CVG<"Ugr vgo dgt'8.'423; "

CI GP F C 'P Q0'; "

TGRQTV<"

Ngi kurvkg.'Rwdrk'Chcku'cpf 'O gf kc'Tgr qtv"

U P QRUK<"

Vj ku'tgr qtv'j ki j nki j w'j g'Lwp'cpf 'Lwn' '423; "qwtgcej 'cevkkgu'qh"  
y j g'Ngi kurvkg.'Rwdrk'Chcku'cpf 'O gf kc'Qhleg.'y j lej 'lpenf gu"  
O clqt'Gxgpw.'Eqo o wpk' 'Gxgpw'Rwdrk'O ggkpi u.'Gpxkqpo gpvcn'  
Lwleg'Wf f cvg.'Ur gcngtu'DwtgcwXkukqt'Ugtxlegu.'Eqo o wplecvkpu'  
Egpvt.'Rwdrk'Khqto cvkp'Egpvt.'Dwukpguu'Cuukcpeg.'O gf kc"  
Tgrvqpu.'cpf 'Qwtgcej 'vq'Eqo o wpk' 'I tqw u'cpf 'Hgf gtcn'Ucvg."  
cpf 'Nqecn' qxgtpo gpw0

EQO O KVVGG<"

P q'Eqo o kvgg'Tgxky "

TGEQO O GP F GF 'CE VKP <"

Tgegkg'cpf 'hkg0

Y c{pg'P cwtk"

Gzegwkg'Qhlegt"

FIC-NVQ-MJ <F O <pu"

## BACKGROUND

Vj ku'tgr qtv'wo o ctkt gu'j g'cevkkgu'qh'y j g'Ngi kurvkg.'Rwdrk'Chcku'cpf 'O gf kc"  
Qhleg'hqt'Lwp'cpf 'Lwn' '423; 0"Vj g'tgr qtv'lpenf gu<"O clqt'Gxgpw=Eqo o wpk' "  
Gxgpw'Rwdrk'O ggkpi u= 'Gpxkqpo gpvcn'Lwleg'Wf f cvg= 'Ur gcngtu'DwtgcwXkukqt"  
Ugtxlegu=Eqo o wplecvkpu'Egpvt=Rwdrk'Khqto cvkp'Egpvt=Dwukpguu'Cuukcpeg=  
O gf kc'Tgrvqpu=cpf 'Qwtgcej 'vq'Eqo o wpk' 'I tqw u'cpf 'I qxgtpo gpw0

## MAJOR EVENTS (HOSTED AND SPONSORED)

Gcej "{ gct'Uqw' 'Eqcu/CS O F 'uch'h'gpi ci g'lp'j qrf kpi 'cpf 'ur qpuqt kpi 'c'pwo dgt'qh"  
o clqt'gxgpw'y tqwi j qw'y j g'Uqw' 'Eqcu/CS O F 'u'hqwt'eqwpv' 'ctgcu'vq'r tqo qvg."  
gf wecv'cpf 'r tqxf g'lo r qtcvp'lphqto cvkp'vq'y j g'r wdrk'tgi ctf kpi 'tgf vekpi 'ck"  
r qmwkqp.'r tqvgevp' 'r wdrk'j gcmj . 'cpf 'lo r tqxkpi 'ck's wcrkv' 'cpf 'y j g'geqpqo {0"

## **June 30**

Uchh'gzj kdkgf "cv'y g'EleNCxlc6O kf 'Ek\ 'O ggu'Rleq 'Wpkqp"gxgpv'kp'Nqu'Cpi grgu0"Vj ku' gxgpv'hqewugu"qp"cevxg"cpf "cngtpcvxg'hqto u'qh'tcpur qtvcvqp"cpf "cwtcew'y qwucpf u'qh" cwgpfg ggu'y kj "kpvgtgua'kp"j gcnj "cpf "gpv'kqpo gpv'cn'kuuugu0"Uchh'r tqxkf gf "kphqto cvkqp" qp"Uqwj 'Eqcu'CS O F . 'CD'839."gpv'kqpo gpv'cn'lwueg. 'tgu'k gpv'cn'kpegpvxg'r tqi tco u." Uqwj 'Eqcu'CS O F "o qdkg'err u'cpf "xctkqu"qy gt'r tqi tco u0 "

## **COMMUNITY EVENTS/PUBLIC MEETINGS**

Gcej "{ gct "Uqwj 'Eqcu'CS O F 'uchh'gpi ci g'y kj "y qwucpf u'qh'tgu'k gpv. 'r tqxkf kpi " xcnwcdng'kphqto cvkqp"cdqw'y g'ci gpe{ . 'kpegpvxg'r tqi tco u'cpf 'y c{ u'kpf kxkf wcn'ecp" j gr 'tgf weg'ckt'r qmwkqp'y tqwi j "gxgpw'cpf "o ggv'kpi u'ur qpuqtgf "uqngn' 'd{ "Uqwj 'Eqcu' CS O F "qt'kp'r ctvpgtj k'r 'y kj "qy gtu0Cwgpfg ggu'v{ r kcm' 'tgegkxg'y g'hqmy kpi " kphqto cvkqp<" "

- Vkr u'qp'tgf wekpi 'y gk "gxr quwtg'v'uo qi "cpf "ku"j gcnj "ghhgew="
- Engcp'ckt'vgej pqm' kgu'cpf "y gk "f gr m{ o gpv="
- Kpxkcvkpu'qt'pqv'egu'qh'eqphgtgpegu.'ugo kpcu.'y qtmij qr u'cpf "qy gt'r wdike"gxgpw="
- Uqwj 'Eqcu'CS O F "kpegpvxg'r tqi tco u="
- Y c{ u'v'q'r ctv'ekr cvg'kp"Uqwj 'Eqcu'CS O F "u'twgu'cpf "r qnke{ "f gxgnr o gpv="cpf "
- Cuukwcp'kp'tguq'kpi "ckt'r qmwkqp/tgrv'gf "r tqdngo u0 "

Uqwj 'Eqcu'CS O F "uchh'cwgpfg gf "cpf lqt'r tqxkf gf "kphqto cvkqp"cpf "w'f cvgu'cv'y g" hqmy kpi "gxgpw<"

## **June 7**

Uchh'r ctv'ekr cvgf "kp'y g'Vqf c{ u'Hi guj "Uctv'Ej ctvgt"Uej qqn'Ectgg'F c{ "423; "gxgpv'kp" Nqu'Cpi grgu'v'q'r tqxkf g'uwf gpv'y kj "kphqto cvkqp"qp'r qv'p'cn'ectgg'r cvj u'tgrv'gf "v'ckt" s wcrk\ 'kuuugu0"Uchh'cnuq'r tqxkf gf "kphqto cvkqp"qp'y g'Uqwj 'Eqcu'CS O F "r tqi tco u" cpf "tguqwtegu0 "

## **June 20**

Uchh'gzj kdkgf "o cvgtknu"qp"Uqwj 'Eqcu'CS O F "cpf "ckt"s wcrk\ 'kuuugu'cv'y g'Y guvgtp" Tkxgtuf g'Eqwpekn'qh'I qxgtpo gpw'I gp'g'cn'Cuugo dn' "kp"Vgo gewr0"Kphqto cvkqp"qp" kpegpvxg'r tqi tco u'hqt'o qdkg'uqwtegu.'tgu'k gpv'cn'cpf "eqo o gtekn'grgvtke'ncpf uecr kpi " gs wkr o gpv.'cpf "engcp'ckt'hwtpcegu'y cu'r tqxkf gf "v'cwgpfg ggu'y j lej "kpenmf gf "grgevgf " qh'heknu.'dwukpguugu'cpf "qy gt'ucngj qrf gtu0 "

## **June 22**

Vj g'I qxgtkpi "Dqctf "Tghkpgt{ "Eqo o kwgg"j grf "c'eqo o wpk\ "o ggv'kpi "cv'y g'Uqwj " Eqcu'CS O F "j gcf s wctvgtu'kp"F lco qpf "Det'v'f'kuewu"j { f tqi gp'hwqtkf g'uqtc' g'cpf " wug'cv'r gtuqrgwo "tghkpgt'ku0"Vj g'o ggv'kpi "y cu'cwgpfg gf "d{ "cm quv'722"o go dgtu'qh'y g" eqo o wpk\ . "dwukpgu'u'ucngj qrf gtu."cpf "gpv'kqpo gpv'cn'cpf "j gcnj "qti cpk cvkpu0 "

### June 25

Uchh'gzj kdkgf "cv'yj g'Uwucp'UqEcniF tkxkpi 'O qdkkx' 'Eqphgtgpeg'j grf "cv'yj g'Wpkxgtukx' " qh'Eckhqtplk. 'Kxkpg0'Uchh'r tqxkf gf 'lphqto cvkqp"qp'Uqwj 'Eqcu'CS O F "cpf 'ck's wcrkx' " kuwgu. 'lpenw'kpi "o qdkg'uqwegu. 'lpegpvxg'r tqi tco u'cpf "qyj gt 'tgrv'gf 'lpxkcvxgu0' "

### June 26

Uchh'j grf "cp'CD'47: : 'Vqzle'J qv'Ur qu'r wdrke"o ggkpi 'tgrv'gf "v'yj g'I tc{ uqp'Rqy gt " Rrcpv'lp'I ngpf cng0Vj g'o ggkpi 'lpenw'gf "c'uchh'r tgugpvckqp"qp'yj g'CD'47: : 'r tqi tco " cpf 'I tc{ uqp'Rqy gt'Rrcpv."cu'y gm'cu'r wdrke"eqo o gpv'cpf 's wugkpu0Vj g'o ggkpi " cwpgf ggu'lpenw'gf "grgevgf 'qhhleknu."i qxgtpo gpv'tgr tgugpvckxgu."eqo o wpkx' "o go dgtu." cpf "dwukpguu'tgr tgugpvckxgu0' "

### June 30

Uchh'r ctvlek'cv'gf 'lp'yj g'Cpwwen'U0Cpf tgy u'RetniEqo o wpkx' 'Lc| | 'Hguwxen'lp'Nqu" Cpi grgu'v'q'r tqxkf g'eqo o wpkx' "o go dgtu'y kj 'lphqto cvkqp"qp'Uqwj 'Eqcu'CS O F "cpf " ck's wcrkx' 'kuwgu0'Vj g'hqewu'y cu'qp'r tqxkf kpi 'lphqto cvkqp'tgrv'gf "v'tgukf gpv'cn' lpegpvxg'r tqi tco u."j qy "v'hkg'cp'ck's wcrkx' "eqo r rckpv."cpf "yj g'Uqwj 'Eqcu'CS O F " o qdkg'cr r u0' "

### July 3

Uchh'gzj kdkgf "cv'yj g'I qqf 'O qtplkpi 'Gxgpv'lp'Qpvctk'v'q'r tqxkf g'tgr tgugpvckxgu'htqo " m'ecni'grgevgf 'qhhlegu'cpf "dwukpguu'ucngj qrf gtu'y kj 'lphqto cvkqp"qp'Uqwj 'Eqcu' CS O F ."Engcp'Ej qleg'Xgj kengu. 'lpegpvxgu."Uo cni'Dwukpguu'Cuukw'cpeg"cpf "qyj gt" r tqi tco u0' "

### July 24

Uchh'gzj kdkgf "cv'yj g'Qtcp' g'Eqwv' 'Dwukpguu'Eqwpeki'423; 'J gcnj 'Ectg'Hqtwo 'lp' " P gy r qtv'Dgcej "v'q'r tqxkf g'lphqto cvkqp"qp'Uqwj 'Eqcu'CS O F "cpf "ck's wcrkx' 'kuwgu0' " Vj g'hqewu'y cu'qp'r tqxkf kpi 'lphqto cvkqp'tgi ctf kpi 'dwukpguu'cpf 't'gukf gpv'cn'lpegpvxg' " r tqi tco u."cpf "Uqwj 'Eqcu'CS O F "o qdkg'cr r u0'

## **ENVIRONMENTAL JUSTICE UPDATE**

Vj g'hqmy kpi 'ctg'ng' "gpxktqpo gpv'cn'lwnleg/tgrv'gf "cevxkkgu'lp'yj lej 'uchh'r ctvlek'cv'gf " yj tqwi j qw'yj g'o qpy u'qh'Lwpg"cpf "Lwn' "423; 0"Vj gug'gxgpw'lpxqixg'eqo o wpkxgu" chgevgf 'f krr qtr qt'vqpcvgn' "htqo "cf xgtug'ck's wcrkx' "ko r ceu0' "

### June 5

Uchh'j quvgf "yj g'yj ktf "eqo o wpkx' "kf gpv'ckcvkqp"o ggkpi 'hqt'yj g'CD'839'r tqi tco 'lp'yj g' " Ekx' "qh'J wv'kpi vqp'Rctn0'Uchh'r tgugpv'gf "lphqto cvkqp"qp'yj g'eqo o wpkx' "r tkqtkk'cvkqp" r tqeguu'cpf "uj ctgf "f gw'ku"cdqw'cp"wr eqo kpi 'lphqto cvkqp'hck0'Vj g'o ggkpi "y cu" cwpgf gf "d' "eqo o wpkx' "o go dgtu."m'ecni'qti cpl'cvkpu."cu'y gm'cu'tgr tgugpvckxgu'qh'm'ecni' grgevgf 'qhhleknu0'

### June 6

Uchh'r ctvlekr cvgf 'kp'yj g'8vj 'CpwwenHki j vpi 'hqt'Nkhg'Egngdtcvkqp'j quvgf 'd{ 'Gcuw' l ctf " Ego o wplkgu'hqt'Gpxktqpo gpvcnl'lwuleg0Vj g'gxgpvj' qpqtgf 'vj tgg'eqo o wplk' 'hgcftgu< 3+'Gxgn{p'Mpki j v'c'hqpi /vko g'ekxkntki j w'cpf "gpixktqpo gpvcnl'lwuleg'hgcftgt=4+'O qppg{ " FøCte{ . 'Gzgewkxg'F ktgevqt'cv'Ucetgf 'Rrcegu'Kpukwwg'hqt'Kpf ki gpqwu'Rgqr ngu="cpf " 5+'Ecpf keg'Mko . 'Enko cvg'Eco r cki p'F ktgevqt'cv'vj g'Egpvgf'hqt'Dkqmi kecn'F kxgtukv{0 " "

### June 12

Uchh'j quvgf 'vj g'ugeqpf 'Kpvt/Ci gpe{ 'VcuniHqteg'o ggvpki 'kp'r ctvpgtuj kr 'y kj 'vj g'Nqu" Cpi grgu'Dwtgcw'qh'Ucpkcvkqp0Vj gtg'y cu'c'vqcn'qh'4: 'tgr tgugpvcvkgu'kp'cwgpf cpeg" htqo 'Nqu'Cpi grgu/dcuqf 'r wdrke'ci gpekgu'cpf 'eqo o wplk' 'qti cpk cvkqpu0P gy " r ctvlekr cpw'kpenmf gf 'Rceqko c'Dgcwkhwn'cpf 'vj g'Nqu'Cpi grgu'Eqwpv{ 'F gr ctvo gpv'qh" Rwdrke'J gcnj 0Vj g'VcuniHqteg'f luewuugf "cr r tqr tlcvg'wug'qh'vgtto kqqmi { 'kp'yj g" eqo r nkpvr'tqegu. 'kpvt/ci gpe{ 'uchh'tckpki . "cpf "gzc pf kpi 'cpf 'f kunkdwkpi 'cp'kpvt/ ci gpe{ 'tghgtcnf ktgevqt{0 " "

### June 13

Uchh'j grf 'vj g'ugxgpj 'CD'839'Ego o wplk' 'Uggtkpi 'Ego o kwgg'o ggvpki 'hqt'yj g" Y kno kpi vqp'IEctupl'Y guv'Nqpi 'Dgcej 'eqo o wplkgu'kp'Y kno kpi vqp0'Vj g'o ggvpki " kpenmf gf 'r tgugpvcvkgu'd{ 'Ego o kwgg'o go dgtu'kpenmf kpi 'vj g'Rqtv'qh'Nqu'Cpi grgu'Nqpi " Dgcej 'Cmkpeg'hqt'Ej kftgp'y kj 'Cuuj o c.'cpf 'Eqcrlkqp'hqt'C'Uchg'Gpxktqpo gpv0'C" r tgugpvcvkgu'y cu'cnuq'r tqxkf gf "qp'yj g'CD'839'Vgej pkecn'Cf xkuqt{ 'I tqwr 0'Vj g'o ckp" vqr le'qh'f luewuukqp'y cu'vj g'f tch'Ego o wplk' 'Go kuukqpu'Tgf wevkgp'Rncp0 " "

### June 19

Uchh'j grf 'cp'CD'839'eqo o wplk' 'kf gpvkhlecvgp'o ggvpki 'kp'Lxtwrc'Xcmg{ 'v'f luewuuyj g" eqo o wplk' 'r tkqtckk cvkqp'r tqegu'cpf "qr r qtwpkkgu'v'j grn 'tgf weg'ck'r qmwkqp'kp" gpixktqpo gpvcnl'lwuleg'eqo o wplkgu0"" " "

### June 20

Uchh'j grf 'vj g'ugxgpj 'CD'839'Ego o wplk' 'Uggtkpi 'Ego o kwgg'o ggvpki 'hqt'yj g'Ucp" Dgtpctf kpglO wueq{ 'eqo o wplkgu'cv'Ucp'Dgtpctf kpg'Xcmg{ 'Eqmgi g0'Vj g'o ggvpki " kpenmf gf 'r tgugpvcvkgu'd{ 'Ego o kwgg'o go dgtu'kpenmf kpi 'DP UH'Ucp'Dgtpctf kpg" Eqwpv{ 'Ncpf 'Wug'Rrppkpi . "cpf 'Nqo c'Nkpf c'Wpkxgtukv{0'Vj gtg'y cu'cnuq'c'r tgugpvcvkgp" d{ 'vj g'CD'839'Vgej pkecn'Cf xkuqt{ 'I tqwr 0'F luewuukqp'kpenmf gf 'vj g'f tch'Ego o wplk' " Go kuukqpu'Tgf wevkgpu'Rncp'cpf "guvdrkuj kpi 'i qcn0'Cf f kkpqcm{ . 'ECTD'r tgugpvgf " kphqto cvkqp'qp'gphqtego gpv'cevgu'v'q'cf f tgu'ck's wcrkv{ 'kuwgu'kp'yj g'eqo o wplk'0"" " "

## June 22

Uchh'gzj kdkgf 'cv'j g'J gcnj 'Ego o wplkgu'Tguqweg'Hck.'y j lej 'y cu'j quvgf 'd{ 'y g'Nqpi " Dgcej 'Cmkpeg'hqt'Ej kf tgp'y kj 'Cu'j o c.'cv'Cf o kcn'Mkf 'Rctnlp'Nqpi 'Dgcej 'vq" r tqxf g'eqo o wplk{ 'o go dgtu'y kj 'lphqto cvkqp'qp'Uqwj 'Eqcu'CS O F.'ck's wcnk{ " kuwgu.'j qy 'vq'hkg'cp'ck's wcnk{ 'eqo r nkp.'cpf 'kpegpvxg'r tqi tco u'cxckædrg'vq" tgukf gpvuo"" ""

## June 25 and 26

Uchh'j grf 'y q'eqo o wplk{ 'o ggvpki u'qp'Twrg'33: 2'Tghkpgt{ 'Hpegrkpg'O qpkqtkpi 'kp" Y kno kpi vqp'cpf 'Vqttepeg0'Vj g'o ggvpki u'y gtg'cwpgf gf 'd{ 'eqo o wplk{ 'o go dgtu." gpxktqpo gpvcn'cpf 'j gcnj 'qti cpl cvkqpu.'dwukpguugu'cpf 'qy gt'ucngj qrf gtu0'Uchh' r tgu'pvgf 'lphqto cvkqp'qp'Twrg'33: 2'cpf 'y g'r tqr qugf 'hpegrkpg'o qpkqtkpi " r ncpu0'O ggvpki 'cwpgf ggu'r ctvek cvgf 'kp'c'r quvgf'ugukqp'y kj 'uchh'cpuy gtkpi 's wguvqpu' tgrcvgf 'vq'gcej 'tghkpgt{ 'o qpkqtkpi 'r ncp.'cu'y gm'cu'i gpgtcn'r wdrk'eqo o gpv0' ""

## June 26

Uchh'cwpgf gf 'y g'Eqpi tguukpcn'Eqpxgplki 'qp'Gpxktqpo gpvcn'Lwukleg'eqphgtgpeg'kp" Y cu'j kpi vqp'F(EOj quvgf 'd{ 'Eqpi tguo cp'TcAnI tlcæc'F/C\ +'cpf 'Fqpcrf 'OeGcej kp" \*F/XC+0Vj g'hewu'qh'y g'eqphgtgpeg'y cu'vq'o qdkk g'uwr r qtv'hqt'gpxktqpo gpvcn'lwukleg" cpf 'ur wt'rgi kurvæxg'cevqp0Rqrk{ o cngtu'cpf 'c'dtqcf 'tcpi g'qh'qti cpl cvkqpu'cpf " kpf kxf wcn'r ctvek cvgf 'kp'r cpgn'f kuwukqpu'qp'c'xctkvg{ 'qh'vr leu.'kpenw kpi 'r tkqtkkgu" cpf 'ej cngpi gu'hqt'gpxktqpo gpvcn'lwukleg'qti cpl cvkqpu0Tgr tgu'pvcæxgu'htqo " eqo o wplk{ /dcugf 'qti cpl cvkqpu'htqo 'cetqu'v'j g'pcvqp'cwpgf gf.'kpenw kpi 'Gcu'v' ctf " Ego o wplkgu'hqt'Gpxktqpo gpvcn'Lwukleg.'Egpgt'hqt'Ego o wplk{ 'Cevkqp'cpf " Gpxktqpo gpvcn'Lwukleg.'cpf 'y g'O qxkpi 'Hqty ctf 'P gvy qtn0"

## June 27

Uchh'j grf 'y g'ugxgpy 'CD'839'Ego o wplk{ 'Uggtkpi 'Ego o kwgg'o ggvpki 'hqt'y g'Dq{ rg" J gki j wlgcu'Nqu'Cpi grgu'Y guv'Ego o gteg'eqo o wplkgu'cv'j g'Ego o gteg'Ugplqt" Egpgt0'Vj g'o ggvpki 'kpenw gf 'r tgu'pvcvqpu'd{ 'Ego o kwgg'o go dgtu'cpf 'c'r tgu'pvcvqp" d{ 'y g'CD'839'Vgej pæcn'Cf xluqt{ 'I tqwr 0'Vj g'o clp'vr k'qh'f kuwukqp'y cu'v'j g'f tchv" Ego o wplk{ 'Go kuukqpu'Tgf wevqp'Rrcp0""

## July 11

Uchh'j grf 'y g'gki j y 'CD'839'Ego o wplk{ 'Uggtkpi 'Ego o kwgg'o ggvpki 'hqt'y g" Y kno kpi vqp'IEtuqpiY guv'Nqpi 'Dgcej 'eqo o wplkgu'cv'j g'Y kno kpi vqp'Ugplqt'Egpgt0" Rtkqt'vq'y g'uctv'qh'y g'o ggvpki . 'uchh'j grf 'c'eqo o wplk{ 'y qtmij qr 'y kj 'lphqto cvkqp'qp" kpegpvægu.'y g'Ego o wplk{ 'Go kuukqpu'Tgf wevqp'Rrcp.'cpf 'y g'Ego o wplk{ 'Ck" O qpkqtkpi 'Rrcp0'O ctcv' qp'Rgtqrgwo 'Ego r cp{.'c'o go dgt'qh'y g'Ego o kwgg." r tgu'pvgf 'lphqto cvkqp'qp'eqo o wplk{ 'r tqi tco u'cpf 'qpi qkpi 'o qpkqtkpi 'ghhtvu0' Vj g'o clqtk{ 'qh'y g'o ggvpki 'y cu'eqo o kwgg'f kuwukqp'cdqw'v'j g'f tchv'Ego o wplk{ " Go kuukqpu'Tgf wevqp'Rrcp0""

### July 18

Uchh'j grf "y g'gki j y 'CD'839'Ego o wpxl 'Uggtkpi 'Ego o kwgg'o ggkpi 'lp'Ucp"  
Dgtptcf kq'ht "y g'Ucp'Dgtptcf kq IO wueq { 'eqo o wpxlgu0Rtkqt "v'j g'uctv'qh'y g"  
o ggkpi . "uchh'j grf "c'eqo o wpxl "y qtmij qr "y kj "lphqto c'kqp"qp'kpegpv'xgu."y g"  
Ego o wpxl 'Go kuukpu'Tgf wekqp'Rrnp."cpf "y g'Ego o wpxl 'Ck'O qpkqtkpi 'Rrnp0"Ucp"  
Dgtptcf kq'Eqwpv' "Vtcpu'k' Cwj qtkl ."c'o go dgt "qh'y g'Ego o kwgg."r tgu'pvgf "  
lphqto c'kqp"qp'eqo o wpxl "r tqi tco u'cpf "qpi qkpi "o qpkqtkpi "ghqtu0"Vj g'o clqtkl "qh"  
y g'o ggkpi "y cu'f gf kecvgf "v'f k'uewukqp"qh'y g'f tch'Ego o wpxl 'Go kuukpu'Tgf wekqp"  
Rrnp0""  
"

### July 19

Uchh'r ctvek' cvgf "lp'cp'gpxkqpo gpvcl'lwueg"eqo o wpxl "v'wt'rgf "d { 'Rceqlo c"  
Dgcw'k'w0"C'j ki j rki j v'qh'y g'v'wt'y cu'c'x'kgy kpi "qh'cp"qr gp/ck "ctv'k'puc'nc'kqp'hqewugf "  
qp'tcklpi "eqo o wpxl "cy ctgpgu'qh'ck't's wcrkl "kuu'gu0l'phqto c'kqp"y cu'cnuq'r tqxkf gf "qp"  
0C'F c { "lp'y g'N'kgö" { qwj "r tqi tco "y j gtg'u'wf gpv'c'ng"j qo g'ck'o qpkqtu."cpcn { g'y g"  
f c'c."cpf "i kxg'r tgu'pvc'kpu"qp'eqo o wpxl "ck't's wcrkl "eqpegtpu0"

### July 25

Uchh'j grf "y g'gki j y 'CD'839'Ego o wpxl 'Uggtkpi 'Ego o kwgg'lp'Gcu'Nqu'Cpi grgu'ht"  
y g'Dq { rg'J gki j v'Gcu'Nqu'Cpi grgu'Y guv'Ego o gteg'eqo o wpxlgu0'Rtkqt "v'j g'uctv'qh"  
y g'o ggkpi . "uchh'j grf "c'eqo o wpxl "y qtmij qr "y kj "lphqto c'kqp"qp'kpegpv'xgu."y g"  
Ego o wpxl 'Go kuukpu'Tgf wekqp'Rrnp."cpf "y g'Ego o wpxl 'Ck'O qpkqtkpi 'Rrnp0"Vj g"  
WUE 'Mgem'Uej qqr'qh'O gf lekpg."c'Ego o kwgg'o go dgt."r tgu'pvgf "lphqto c'kqp"qp"  
tgu'gctej "ghqtu'cpf "qpi qkpi "eqo o wpxl "gpi ci go gpv0"Vj g'o clqtkl "qh'y g'o ggkpi "y cu"  
eqo o kwgg'f k'uewukqp"qh'y g'f tch'Ego o wpxl 'Go kuukpu'Tgf wekqp'Rrnp0""

### July 25

Uchh'tgr tgu'pvgf "Uqwj 'Eqcu'CS O F "cv'O wltgu'F g'Nc'Vlgttc'au'0Vgrgpq'xgrcu'lp'y g"  
Rctn0'gxgpv0"Vj g'gxgpv'ugt'xgu'v'q'gf wecv'g'ho k'kgu'cdq'w'xctk'qu'y c { u'v'q'j gcn0'Nc'O cf tg"  
Vlgttc0'\*O qy gt 'Gct'y +l'pen'f kpi "y g'dgpgh'ku'qh'f tk'kpi "cp'grge'v'le'xgj keng'v'q'tgf weg"  
r qm'w'kqp"cpf "rgv'0O qy gt 'Gct'y "dtgc'y g0""O wltgu'F g'Nc'Vlgttc'y qtm'lp'r ctvpgtuj kr "  
y kj "qti cpl' c'k'pu'rkng'Rceqlo c'Dgcw'k'w'nc'pf 'Gcu' [ ctf 'Ego o wpxlgu'ht"  
Gpxkqpo gpvcl'lwueg"qp'c'xctk'v' "qh'gpxkqpo gpvcl'lwueg'lp'k'c'v'xgu0""

### July 26

Uchh'j quvgf "y g'y k'f "Gpxkqpo gpvcl'lwueg'Cf xluqt { "I tqw "o ggkpi "qh'423; 0"Uchh"  
r tgu'pvc'kpu'l'pen'f gf ."ck't's wcrkl "o qpkqtkpi "lp'Ucp'Dgtptcf kq"cpf "T'kxgtul'f g'Eqwp'v'gu"  
cpf "cp"qxgt'x'kgy "qh'Uqwj 'Eqcu'CS O F "o gf k'c'cpf "eqo o wpxl'c'k'pu'ut'c'v'gi kgu0"  
Ego o kwgg'o go dgtu'r tqxkf gf "lpr w'qp'y c { u'Uqwj 'Eqcu'CS O F "ecp'gpi ci g'o qtg"  
my /kpeo g'eqo o wpxl'gu'lp'o qpkqtkpi "r tq'lgew0"  
"

## **SPEAKERS BUREAU/VISITOR SERVICES**

Uqwj 'Eqcu/CS O F 'tgi wrctn\ 'tgegkxgu'tgs wguu'hqt 'uclh'h'q'ur gcn'qp'ck's wrkv\ /tgrv'gf "kuuwgu'htqo 'c'y kf g'xctkgv\ 'qh'qti cpl\ c'k'qpu.'uwej 'cu'tcf g'cuuqekc'k'qpu.'ej co dgtu'qh' eqo o gteg.'eqo o w'pkv\ /dcugf 'i tqwr u.'uej qqu.'j qur kcnu'cpf 'j gcnj /dcugf 'qti cpl\ c'k'qpu0' Uqwj 'Eqcu/CS O F 'cnuq'j quu'xkukqtu'htqo 'ctqwpf 'y' g'y qtrf 'y j q' b ggv'y kj 'uclh'h'q'p'c' y kf g'tcpi g'qh'ck's wrkv\ 'kuuwgu0' "

### **June 11**

Uclh'h'rtgugpv'gf 'cv'y g'k'f wut\ { 'Cf xkuqt\ { 'Eqwpeki'qh'y' g'Nqu'Cpi grgu'Eqw'p'f 'Ucpk'c'k'q'p' F k'ut'lev'k'p'Y j k'v'kt0'Uclh'h'rtqx'kf gf 'w'f cvgu'qp'v'gej p'lecni'f g'v'knu't'grv'gf 'v'q'uq'w'eg' cwt'kdw'k'q'p.'ck'o q'p'k'q'k'p'i 'c'p'f 'q'y g't'v'gej p'lecni'c'p'cn\ uku'p'ggf gf 'v'q'f g'x'gr'qr 'ck'o q'p'k'q'k'p'i " r'ncpu0'k'p'ht'o c'k'q'p'y cu'cnuq'r tqx'kf gf 'qp'y' g'CD'839'r tqi tco 'k'p'ew'f k'p'i 'y' g'E'q'o o w'pkv\ " Go k'uk'q'p'u'T'gf w'ek'q'p'R'ncpu0'Vj g't'g'y g't'g'c'r r tqz'k'o c'v'gn\ '72'dw'uk'p'guu'q'y p'gtu.'t'gi w'v'q'tu." c'p'f "g'p'x'k'q'p'o g'p'v'cn'g'p'i k'p'gg'tu'k'p'c'w'g'p'f c'p'eg0' "

### **June 13**

Uclh'h'rtgugpv'gf 'cv'y g'k'ut'c'gn'Co g't'lec'p'Eqw'peki'c'v'Et'qui'E'co r w'u'k'p'U'c'p'v'c'O q'p'lec0'Vj g' r't'g'ug'p'v'c'k'q'p'r tqx'kf gf 'k'p'ht'o c'k'q'p'q'p'y' g'Uqwj 'Eqcu/CS O F.'ck's wrkv\ 'k'p'y' g'Nqu' C'p'i grgu'd'cul'p.'c'p'f 'y c\ u'v'q't'gf w'eg'ck'r q'mw'k'q'p'k'p'y' g'c't'g'c'c'p'f 'eqo o w'p'k'kgu0' "

### **June 28**

Uw'f g'p'u'c'p'f 'h'c'ew'w\ 'htqo 'y' g'C't'v'E'g'p'v'gt'E'q'ngi g'q'h'F'g'uk' p'k'p'R'c'uc'f g'p'c'x'k'uk'g'f 'y' g' Uqwj 'Eqcu/CS O F'j g'c'f s w'ct'v'gtu0'Uclh'h'rtgugpv'gf 'c'p'q'x'g't'x'k'gy 'qh'Uqwj 'Eqcu/CS O F' c'p'f 'ck's wrkv\ 'kuuwgu.'k'p'ew'f k'p'i 'c'ng't'p'c'v'k'g'h'w'gn'c'p'f 'x'g'j k'eng'u0'Vj g'x'k'uk'c'nuq'k'p'ew'f gf 'c' " v'q'w't'q'h'y' g'Uqwj 'Eqcu/CS O F' 'h'cd'q't'c'v'q't\ { . 'c'ng't'p'c'v'k'g'h'w'gn'k'p'i 'u'c'v'k'q'p'u.'c'p'f 'c'x'g'j k'eng' f'k'ur'w\ {0' "

### **July 18**

Uclh'h'c'p'f 'c'i tqwr 'q'h'uwo o g't'k'p'v'gt'p'u'r't'g'ug'p'v'gf 'c'p'q'x'g't'x'k'gy 'qh'Uqwj 'Eqcu/CS O F.'ck' " r'q'mw'k'q'p.'r'w'd'rk'e'j g'cnj 'c'p'f 'y' k'p'i u'y' g'r'w'd'rk'e'ec'p'f'q'v'q'j' g'r' 'e'ng'c'p'y' g'c'k'v'q'\{ q'w'j 'htqo " y' g'I t'g'c'v'Q'r r q't'w'p'k'kgu'f q'w'j 'Q'ti c'p'k' c'k'q'p'k'p'U'c'p'L'w'c'p'E'c'r k'ut'c'p'q0' "

### **July 23**

Uclh'h'rtgugpv'gf 'k'p'ht'o c'k'q'p'v'q'o go dgtu'qh'y' g'Nqu'Cpi grgu'k'f w'ut'k'cn'G'p'x'k'q'p'o g'p'v'cn' C'uu'q'ek'c'k'q'p'c'v'D'k'uj q'r 'O q'tc'U'c'ng'uk'c'p'J k'i j 'U'ej q'q'n'k'p'Nqu'Cpi grgu'cd'q'w'y' g'Uqwj 'Eqcu/ CS O F'c'p'f 'ck's wrkv\ 'eqo r'k'c'p'eg.'k'p'ew'f k'p'i 't'gi w'v'k'q'p'u.'k'p'ur g'ev'k'q'p'u.'r'g't'o k'v'k'p'i . 'c'p'f " x'ct'k'c'p'egu'h'qt'ck'r q'mw'k'q'p0'Vj g't'g'y g't'g'q'x'g't'322'g'p'x'k'q'p'o g'p'v'cn'r t'q'h'g'uk'q'p'c'nu'k'p' " c'w'g'p'f c'p'eg0' "

### **July 25**

Uclh'h'rtgugpv'gf 'v'q'l'w'p'k'q't'c'p'f 'u'g'p'k'q't'g'p'i k'p'gg't'k'p'i 'u'w'f g'p'u'c'v'E'cn'R'q'n\ 'R'q'o q'p'c' " W'p'k'x'g't'uk'v\ 0'Vj g'r't'g'ug'p'v'c'k'q'p'r tqx'kf gf 'i g'p'gt'c'n'd'c'emi t'q'w'p'f 'q'p'Uqwj 'Eqcu/CS O F'c'p'f " ck's wrkv\ 'kuuwgu.'cu'y g'm'cu't'gi w'v'k'q'p'u.'r'g't'o k'v'k'p'i . 'eqo r'k'c'p'eg'c'p'f 'g'p'h'q't'ego g'p'w0' "

## July 26

I tcf wcvg'uwf gpw'htqo 'vj g'Wpkxgtuk\ 'qh'Ecnhtqtpkc.'Kxkpg'xkukgf 'vj g'Uqwj 'Eqcu' CS O F 'j gcf s wctvgtu'Uchh'r tguvpgf 'cp'qxgtxkgy 'qh'Uqwj 'Eqcu'CS O F.'ck' r qmwkqp.'ergcp'ck'vej pqm qgu.'cpf 'cngtpevkg'hwgn'xgj kergu'Vj g'xkuk'cnuq'kpenwf gf 'c' vqwt'qh'vj g'Uqwj 'Eqcu'CS O F 'redqtcvqt {.'cngtpevkg'hwgn'pi 'ucvqpu'cpf 'c'xgj kerg' f kur r { 0' "

## COMMUNICATION CENTER STATISTICS

Vj g'Ego o wplecvkp'Egpvgt'j cpf ngu'ecmu'qp'Uqwj 'Eqcu'CS O F au'o clp'rkpg.'vj g'" 3/: 22/EWW/UO QI I 'rkpg.'vj g'Ur cpluj 'rkpg.'cpf 'chgt/j qwtu'ecmu'v'gcej 'qh'vj qug'rkpgu' Vqcn'ecmu'tgeglxgf 'kp'vj g'o qpj u'qh'Lwpg'cpf 'Lwn' 'y gtg<"

Ecmu'v'Uqwj 'Eqcu'CS O F au'O clp'Nkpg'cpf '"	
3/: 22/EWW/UO QI I 'Nkpg'"	" 8.728"
Ecmu'v'Uqwj 'Eqcu'CS O F au'Ur cpluj /rpi wci g'Nkpg'"	""; 8"
" Vqcn'Ecmu"	" 8.824"

## PUBLIC INFORMATION CENTER STATISTICS

Vj g'Rwdne'kphqto cvkp'Egpvgt 'RKE+'j cpf ngu'r j qpg'ecmu'cpf 'y cm'kp'tgs wguu'htq' i gpgtcnkphqto cvkp'kphqto cvkp'ht'vj g'o qpj u'qh'Lwpg'cpf 'Lwn' 'ku'wo o ctk gf 'dgmj <"

Ecmu'Tgeglxgf 'd { 'RKE'Uchh'"	56; "
Ecmu'v'Cwqo cvgf 'U' ugo "	" 3.; 63"
" Vqcn'Ecmu"	4.4; 2"
" "	" "
Xkukqt'Vtcpucevqpu'"	689"
Go cki'Cf xkuqtkgu'Ugpv'go cku"	5; .: 64"

## BUSINESS ASSISTANCE

Uqwj 'Eqcu'CS O F 'pqv'kgu'mecn'dwukpguugu'qh'r tqr qugf 'tgi wrcvqpu'uq'vj g' { 'ecp' r ctv'ekr cvg'kp'vj g'ci gpe { au'twrg'f gxgmj o gpv'r tqegu'Uqwj 'Eqcu'CS O F 'cnuq'y qtmu' y kj 'qj gt'ci gpekgu'cpf 'i qxgtpo gpw'v'kf gpv'kh' 'gh'ekgpv.'equ'gh'gevg'xg'y c { u'v'q'tgf weg' ck'r qmwkqp'cpf 'uj ctgu'vj cv'kphqto cvkp'dtqcf n'Uchh'r tqxkf gu'r gtuqpcrk gf 'cuukvpeg' vq'uo cm'dwukpguugu'dqvj 'qxgt'vj g'vgrj j qpg'cpf 'xkc'qp/ukg'eqpuwncvqpu'.cu'wo o ctk gf " dgmj <"

- Rtqxkf gf 'r gto k'cr r nekcvkp'cuukvpeg'v'665'eqo r cplgu'
- Rtqeguugf '339'Ck'S wcrk\ 'Rgto k'Ej gemkuu'
- Eqpf wevgf '3; "qp/ukg'eqpuwncvqpu"



V{r gu'qh'dwukpguugu'cuukugf <"

Cwq'Dqf { 'Uj qr u"	I cu'Ucvkpu"	Hwtpkwtg'Tghpkuj kpi 'Hcekrkkgu"
Cwq'Tgr ckt'Egpygtu"	Tgucwtcpvu"	Eqputwekqp'Hkto u"
Rtkpvkpi 'Hcekrkkgu"	Rrcvkpi 'Hcekrkkgu"	Ctej kgewtg'Hkto u"
Ocpwxcwtkpi 'Hcekrkkgu"	Ft { 'Engcpgtu"	Gpi kpggtkpi 'Hkto u"

"  
"

## MEDIA RELATIONS

Vj g'O gf kc'Qhleg'j cpf ngu'cm'Uqwj 'Eqcu'CS O F 'qwtgcej 'cpf 'eqo o wplecvkpu'y kj " vngxkukqp.'tcf kq.'pgy ur cr gtu'cpf 'cm'qj gt'r wdrkecvkpu'cpf 'o gf kc'qr gtcvkpu0"

"  
"

Vqcn'O gf kc'Kps vktkgu<53"

Rtgu'TgrgcugulCk'S wcrkv { 'Cf xkuqtkgu'kuugf <7"

"  
"

O clqt'O gf kc'Vqr leu'hqt'Lwpg"

"  
"

- Cueqp'Ncpf hkm'0'Ur gestwo 'P gy u.'Hqz'33.'cpf 'y g'F ckn { 'Rknv'tgs wuguf 'o qpkqtkpi 'tguwnu' cpf 'cp { 'cf xkuqtkgu'kuugf 'tgi ctf kpi 'Cueqp'Ncpf hkm'0'Vj g'F ckn { 'Rknv'cpf 'Hqz'33'P gy u' tgs wuguf 'o qtg'kphqto cvkqp'tgi ctf kpi 'Uqwj 'Eqcu'CS O F æ'tqrg'cv'y g'ukg.'cp { " o qpkqtkpi 'dgkpi 'eqpf wevgf.'cu'y gmi'cu'cp { 'xkqrcvkpu'kuugf 'v'y g'rcpf hkm'0'
- Twg'3629'0'Rctco qwpv'Gpxkqpo gpvni'P gy u'tgs wuguf 'c'rkuv'qh'hcekrkkgu'kp'Rctco qwpv' y j lej 'y qwf 'dg'uwdlgev'q'Twgu'3629'cpf '362900'
- Uqwj 'Eqcu'CS O F 'Crr'0'Uch'r keij gf 'CDE9'qp'y g'tgrgcug'qh'y g'Uqwj 'Eqcu'CS O F æ' o qdkrg'crr'qp'cpf tqkf 'f gxlegu'0'Vj g'tguwnkpi 'uqt { 'hgcwtkpi 'Dqctf 'O go dgt'F gri cf q'ektgf " cpf 'y cu'tg/f kntkdwgf 'cpf 'qp'ukugt'ucvkpu'kp'Rcm 'Ur tkpi 'kpenf kpi 'CDE.'EDU'cpf 'HQZ0'
- Vqzke'Go kuukpu'Hegu'0'Vj g'NOC0Vko gu'cungf 'kh'y g'vqzke'go kuukpu'hgu'y qwf 'dg' cff tguugf 'cv'y g'pgzv'dqctf 'o ggkpi . 'y j lej 'y g'tgr qtvg't'cwpgf gf 0'
- Ql qpg'O qpkqtkpi '0'Vj g'NOC0Vko gu'tgs wuguf 'c'rkuv'qh'o qpkqtkpi 'ucvkpu'wugf 'hqt'q| qpg' ckt'o qpkqtkpi 'kp'Uqwj 'Eqcu'CS O F æ'5: 'ctgcu'qh'eqxgtci g'cpf 'j qy 'tgc f kpi u'ctg' f gvgto kpgf 'kp'ctgcu'y kj 'pq'o qpkqtu'kp'y g'gzcev'ctgc'qt'y cv'j cxg'o wnr ng'o qpkqtu'0'Vj g' tgr qtvg't'cnuq'tgs wuguf 'kpur gevqp'ucvkukeu0"
- Gpxkqpo gpvni'Lwukeg'cpf 'O qf kkgf 'J { f tqh'wqtke'Cekf (O J H'0'C'uwf gpv'ltqo 'Dtqy p" Wpkxgtuk { 'tgs wuguf 'r gto kuukqp'v'kmo 'r qtvkpu'qh'o ggkpi 'qp'y g'wug'qh'O J H'0'Vj g'Dcvqp" Tqwi g'Cf xqecvg.'Dwrf kpi 'Vtcf gu'P gy ur cr gt.'NOC0Vko gu.'cpf 'y g'F ckn { 'Dtgg| g'tgs wuguf " kphqto cvkqp'qp'ewtgpv'tgi wrcvt { 'o gcuwtgu.'ewtgpv'cpf 'r tqr qugf 'twgu.'cpf 'eqo o wpkv { " o ggkpi u'r gtcvkpi 'v'y g'wug'qh'O J H'r ctvkwrcn { 'cv'y g'Vqttcpeg'tghkgt { 0'Vj g'NOC0 Vko gu'cpf 'Dwrf kpi 'Vtcf gu'P gy ur cr gt'cwpgf gf 'y g'Tghkgt { 'Eqo o kwgg'o ggkpi 0'
- UD'954'0'Vj g'NOC0Vko gu'kps vktgf 'y j gj gt'Uqwj 'Eqcu'CS O F 'y cu'ukmr wtukpi 'c'dcmqv' o gcuwtg'y cv'y qwf 'etgcvg'c'ucngu'cz.'cp'cevqp'uwr r qtvgf 'd { 'O qxg'NC0Uch'iemtkkgf 'y cv' yj g'o gcuwtg'y cu'v'etgcvg'c'xqvg't'cwj qtkv { 'f kntlev'cpf 'r tqxkf gf 'c'ucwu'wr f cvg0'
- I tc { uqp'Rqy gt'Rrcpv'0'Vj g'Drkf 0Ugvpkgntgs wuguf 'kphqto cvkqp'tgi ctf kpi 'y g'Lwpg'48" r wdrke'o ggkpi 'tgi ctf kpi 'y g'j gcnj 'tkm'icuguuo gpv'hqt'I tc { uqp'Rqy gt'Rrcpv0"

- Ngi kurvkg'Cevkqp"ó"Vj g'NOC0Vko gu'tgs wugvf "eqr kgu'qh'f qewo gpw'tghgttgf "vq'f wtkpi "vj g' Ngi kurvkg'Ego o kvgg'o ggkpi "qp'8B6423; .ur gekhecmf "rgwtu'gzs tguukpi "eqpegtpu"qp" vj g'tgf kgevkqp"qh'I tggpj qwug'I cu'Tgf wevkqp'Hwpf "o qpg{=cpf "ur gpf kpi "uj ggwu'qti cpk gf " d{ "ecvgi qt { "vq'uj qy "kpvpgf gf "wug'qh'ucrgu'cz "o qpg{ 0
- Cueqp"Ncpf hknf"Ur gevwo 'P gy u.'Hqz'33."cpf "vj g'F cknf "Rknv'tgs wugvf "o qpkqt kpi "tguwuu" cpf "cp{ "cf xkuqt kgu'kuwgf "tgi ctf kpi "Cueqp"Ncpf hknf
- Y ctgj qwugu"cpf "tgi kpcnr qmwkqp"ó"Vj g'Tgf rcpf u'Ego o wpkf "P gy u'tgs wugvf " kphqto cvkqp"tgi ctf kpi "hcecn'y ctgj qwugu"cpf "ck'r qmwkqp'ucvknku0
- I gpgtcn'kphqto cvkqp"ó"Rtqr wdkec'tgs wugvf "c'i gpgtcn'kptqf wevkqp"vq'Uqwj "Eqcu'CS O F ." ur gekhecmf "c"dtqcf "qxgtxky "qh'vj g'Uqwj "Eqcu'CS O F au'lwtkuf levkqp"cpf "tgi wrcvt { "tqng0
- Ueter "I ctf "Hktg"ó"P DE "ó"pgy u'tgs wugvf "eqo o gpv'qp"e'htg'dwtpkpi "kp'f qy pvy p'Nqu" Cpi grgu'cv'c"ueter "{ctf 0

"

O clqt "O gf k"Vqr leu'hqt "Lwnf "

"

- J qwnf "CS Kó'MP Z "Tcf kq"eqpf wevf "cp'kpvgtxky "qp"vj g'rwpej "qh'vj g'j qwnf "hqtgecu0
- Vj g'uat { "ckgf "o wmr ng'vko gu0
- 6vj "qh'Lwnf "Hktgy qtmf "Cf xkuqt { "ó"FREE."UEX"Uki pcn'NC "Vceq."cpf "NOC0Vko gu'tgs wugvf " o qtg'f gvcku"qp"vj g'j cto hwi'ghgew'qh'hktgy qtmf "uo qng"cpf "qy gt "r ctvwewgu0
- Ck'S wcrk { "ó"MP Z "eqpf wevf "cp'kpvgtxky "tgi ctf kpi "qxgtcm'ck's wcrk { "kp'Uqwj gtp" Ecrkhtpk "qxgt "vj g'j gctu"cpf "cvckpo gpv'f gcf rpgu0
- Dtgenf qy p"qh'Rqmwcpw"ó"Y ctf u'Cwq'tgs wugvf "c'eqr { "qh'uchh"u'r tguwpvckqp"tgi ctf kpi " vj g'dtgenf qy p"qh'r qmwcpw"kp"qwt "o qpkqt kpi "ctgu0
- Rqtcdng"cpf "dcenw "i gpgtcvt "gs wkr o gpv"ó"Vj g'Ucp'Htcekeq'Ej tqpleng'kps wktgf "cdqww" vj g'ck's wcrk { "ghgew'qh'i gpgtcvt "wug."cpf "f gvcku"qp"Uqwj "Eqcu'CS O F "tgi wrcvku'p'hqt" vj cv'v' r g'qh'gs wkr o gpv0
- UgpvkpgrRgcniT guwtegu"ó"J whr quv'tgs wugvf "tgr qt w'qh'ekcvkpu"qt "ck's wcrk { "eqpegtpu" tgrv'gf "vq'UgpvkpgrRgcniUqwtegu'cv'lgthgtuqp'Dnxf 0
- Kpf kgev'Uqwtegu'Twrg"ó"UI X'Eqppgeveqpf wevf "c'r qf ecuv'kpvgtxky "tgi ctf kpi "qwt "Kpf kgev' Uqwtegu'Twrg0"
- Vtvenicpf "Dwu'Tgi wrcvqp"ó"Y ctf u'Cwq'hqmgy gf "wr "qp"e'r tgxkqu'tgs wguv'kps wtkpi "j qy " ECTD)u'Vtvenicpf "Dwu'Tgi wrcvqp"qh'422: "gpewtci g'cf qr vkp"qh' gtq/go kuukp'xgj kengu0
- Mkp'gt/O qti cp'Rqne { "Ej cpi g'ó"Cti wu'O gf k'kps wktgf "y j gy gt "vj gtg'j cxg'dggp"cp{ " xkqrcvku'kuwgf "qt"ghqtego gpv'cevkqp'tgrv'gf "vq"e'htg'vj cv'qeevttgf "cv'vj g'r rcpv'qp'Lwpg'50
- F ( F "Ugtxlegu"ó"Ecrkhtpk "Gpxktqpo gpv'cn'kukf g'tgs wugvf "eqr { "qh'vj g'Qtf gt "hqt" Cdcvgo gpv'kuwgf "vq"F ( F "Ugtxlegu"Cplo cniTgpf gtpi "Hcekrk { 0
- Ej gxtqp"Thkpgt { "ó"Vj g'F cknf "Dtggf g'cungf "s wguvku'p'tgi ctf kpi "r tqr qugf "tgxkukpu"vq" vj gkt'tghkpgt { "r gto k: "cpf "y j gy gt "vj g'Uqwj "Eqcu'CS O F au'f gekukp'y cu'kp"eqphkev'y kj " ewtgpv'o qpkqt kpi "i qcu'kp"vj g'ctgc'uwttqwpf kpi "vj g'tghkpgt { 0
- Twrg'3632'Ego o gpv'Ngwtu"ó"Vj g'Napi "Dgcej "Tgr qvt'tgs wugvf "eqphkto cvkqp"qh'tgegr v'qh" c'eqo o gpv'rgwt "y tkwgp"d { "vj g'Napi "Dgcej "o c { qt0
- I qxgtplpi "Dqctf "Tgtgc'v"ó"Vj g'NOC0Vko gu'tgs wugvf "cw'kq"qt "xkf gq"qh'vj g'O c { "tgtgc'v0

- Nqecnl'cpf "Kpvgtpcvkqpcn'Ckt'S wcrkv{ 'ó'Egptcn'Vlo gu'lp'Uqwj 'Mqtgc'kpvgtxlgy gf 'uclh'vq' f kueuu'ckt's wcrkv{ 'lo r tqxgo gpw'lp'yj g'Nqu'Cpi grgu'Ctgc'cu'y gml'cu'yj g'Rceklle'Tlo " Kpklcvkxg'hqt'O ctkko g'Go kuukqp'Tgf wevkqpu'r tqi tco 0'
- I tc{uqp'Rqy gt'Rrcpvó'Uqwj gtp'Ecrkhqtpkc'Rwdrlc'Tcf kq'uqwi j v'kphqto cvkqp'qp'jy qy " I ngpf cng)u'ewttgpn'j gcnj 'tkumlcuuguuo gpvr' tqr qucn'o ki j v'chgevc'ckt's wcrkv{ 'ctqwpf 'yj g'r rcpv." y j gj gt'yj g'wug'qh'ncpf hml' cu'ku'cf f tguugf 'lp'yj g'j gcnj 'tkumlcuuguuo gpv.'cpf 'jy qy 'yj g' Uqwj 'Eqcu'CS O F 'o ki j vr' tqr qug'o kki cvkpi 'yj qug'ghgeu0'
- CD'839'Ego o wpvk{ 'Ckt'O qpkkqtkpi 'ó'CDE9'y cu'r ke j gf "qp'f qkpi 'c'uqqt { 'cdqw' eqo o wpvk{ 'ckt'o qpkkqtkpi 'ghqtu'v'j cv'dgi cp'cu'r ctv'qh'CD'8390'
- CGU'Rqy gt'Rrcpvó'Vj g'F ckn{ 'Dtgg| g'tgs wguugf 'kphqto cvkqp'qp'drcem'uo qng'eqo kpi 'qww'qh' yj g'CGU'Rqy gt'Rrcpv'lp'Tgf qpf q'Dgcej 0'
- Dwtp'Rgto ku'ó'Vj g'Rcm 'Ur tkpi u'F gugtv'Uwp'kps wktgf 'cdqw'dwtp'r gto ku'kuugf 'd{ 'yj g' f kntlev.'tgs wguukpi 'kphqto cvkqp'qp'jy qy 'cpf 'y j { 'dwtp'r gto ku'y gtg'tgs wktgf .'cu'y gml'cu'yj g' r tqegu' hqt'qdvckkpi 'c'r gto k0'
- Ucnqp'Ugc'Qf qtu ó Vj g'Rcm 'Ur tkpi u'F gugtv'Uwp'kps wktgf 'y j gj gt'uclh'j cf 'tgegkxgf 'cp{ " eqo r rcpw'tgi ctf kpi 'qf qtu'ctqwpf 'yj g'Ucnqp'Ugc0'
- Ucp'I cdtlgn'Ckt'S wcrkv{ ó Vj g'Uqwj gtp'Ecrkhqtpkc'P gy u'I tqwr 'ecmgf 'v'f kueuu'jy qy " erko cvg'ej cpi g'cpf 'ckt'r qmwkqp'chgevc'yj g'Ucp'I cdtlgn'Xcmg{ .'cpf 'y j cv'o gcuwtgu'ecp'dg' wcnpg'v'q'tgf weg'pgi cvkxg'lo r cev0'
- Kpetgcug'lp'Dcf'Ckt'S wcrkv{ lUo qi Crgtw ó O qwpvckp'O guugpi gt'P gy u'kps wktgf 'cdqw'yj g' kpetgcug'lp'r qqt'ckt's wcrkv{ 'cpf 'uo qi 'crgtw.'cpf 'yj g'lo r cev'qh'erko cvg'ej cpi g0' "

## News Releases and Announcements

- Uqwj 'Eqcu'CS O F 'J gctkpi 'Dqctf'Qtf gtu'Xgtpqp.'Ecrkh0Cplo cnTgpf gtpi 'Rrcpv' v'q'Tgf weg'Qf qtu/'Lwpg'42.'423; <Cp'qtf gt'y cu'kuugf 'd{ 'yj g'J gctkpi 'Dqctf'hqt' F ( 'F'Ugtxlegu.'kpe0'tgs wtkpi 'yj g'hceklv{ 'v'gpenqug'qr gtcvkqpu'cpf 'o cng'cf f kklqpcn' tgr cktu0'
- Uqwj 'Eqcu'CS O F 'Kuugv'Uo qng'Cf xluqt { 'F wg'v'q'Lgtt { 'Hktg'gcu'qh'O qtgpq' Xcmg{ '/'Lwpg'43.'423; <C'uo qng'cf xluqt { 'y cu'kuugf 'hqt'ctgcu'qh'Ucp'Dgtptf kpq0'
- Uqwj 'Eqcu'CS O F 'Kuugv'Y kpf drqy p'F wuv'Cf xluqt { 'hqt'r qtvkqpu'qh'Tkxgtukf g'cpf " Ucp'Dgtptf kpq'Eqwpvkgu/'Lwpg'43.'423; <C'f wuv'cf xluqt { 'y cu'kuugf 'hqmqy kpi 'j ki j " y kpf 'cpf 'f wuv'eqpf kklqpu0'
- Uqwj 'Eqcu'CS O F 'Ncwpej gu'J qwn{ 'Hqtgecu'kpi 'v'q'J grr 'Tgukf gpw'Dgwtg'Rrcp' F ckn{ 'Qwf qqt'Cevkxklgu/'Lwpg'49.'423; <C'pgy 'vqqn'y cu'ncwpej gf 'y kj 'yj g'cdkklv{ " v'q'r tgf lev'ckt's wcrkv{ 'ngxgn.'j qwt/d{/j qwt'hqt'uo qi 'cpf 'RO 40'hqt'wr 'v'q'y q' eqpugewxg'f c{ u0'
- Uqwj 'Eqcu'CS O F 'Kuugv'Ckt'S wcrkv{ 'Cf xluqt { 'F wg'Vq'Hktgy qtmu/'Lwn{ '4.'423; < Cppwcn'cf xluqt { 'v'q'Dcu'p'tgukf gpw'tgi ctf kpi 'yj g'wug'qh'hktgy qtmu'qxgt'yj g'6'y 'qh'Lwn{ " j qrkf c{ 0

- Uqwj 'Eqcu'CS O F 'Kuug'u'Ql qpg'Cf xkuqt { 'hqt 'Rqt vkpu'qh'Qtcpi g'Eqwpv\ . 'Nqu' Cpi grgu'Eqwpv\ . 'Ucp'Dgtptcf lpg'Eqwpv\ . 'cpf 'Tlxgtukf g'Eqwpv\ '/'Lwn\ '33.'423; <'C' dculp/y kf g'cf xkuqt { 'y cu'kuwgf 0'

### Media/Google Campaign:

- F wtkpi 'y g'o qpj 'qh'Lwpg.'y g'Tki j v'q'Dtgcj g'I qqi ng'Cf u'r n{ gf '5.: 64.689'ko gu' \*K r tguukpu- 'tgegkxgf '3.: 6: .572'Xlgy u'eqwpvgf 'y j gp'wugtu'y cvej 'cv'ngcu'52" ugeqpf u'qh'y g'cf + 'cpf 'y gtg'enkngf ': .87; 'ko gu0
- F wtkpi 'y g'o qpj 'qh'Lwn\ .'y g'Tki j v'q'Dtgcj g'I qqi ng'Cf u'r n{ gf '6.346.487'ko gu' \*K r tguukpu- 'tgegkxgf '3.; ; .633'Xlgy u'eqwpvgf 'y j gp'wugtu'y cvej 'cv'ngcu'52" ugeqpf u'qh'y g'cf + 'cpf 'y gtg'enkngf ': .696'ko gu0

### Social Media Notable posts:

Cpf tqkf 'Crr <4.275"Vy kwgt 'K r tguukpu"  
 Y qtrf 'Gpxktqpo gpvFc { <3.2; 4"Vy kwgt 'K r tguukpu"  
 I qxVgej 'Cy ctf <3.237"Vy kwgt 'K r tguukpu"  
 CDE9'P gy u'Crr 'Eqxgtci g<: : ; 'Hegdqqm'Wugtu'Tgcej gf '\*J ki j 'Gpi ci go gpv<65"  
 Tgcevqpu'Ego o gpvUj ctgu"- '5'Rquv'Enknu+ "  
 CD839'Y kn kpi vqp'Nlxg'Utgc o <; 79"Vy kwgt 'K r tguukpu"  
 EleNCxlc'Tgo kpf gt<4.432"Vy kwgt 'K r tguukpu"  
 EleNCxlc"- 'Uqwj 'Eqcu'CS O F 'Crr <3.8; ; 'Vy kwgt 'K r tguukpu"  
 Lgtt { 'Hltg'Uo qng'Cf xkuqt { <3.3: 7"Vy kwgt 'K r tguukpu"  
 Ego o gteg'CD'839'O ggkpi 'Tgo kpf gt<3.26: "Vy kwgt 'K r tguukpu"  
 EleNCxlc'Tgo kpf gt<4.95: "Vy kwgt 'K r tguukpu"  
 Hltgy qtm'Rctvkwv'g'Cf xkuqt { <4.773"Vy kwgt 'K r tguukpu"  
 EleNCxlc'Gxgpv<4.278"Vy kwgt 'K r tguukpu"  
 Hqz33'Kp'F gr yj 'Tgr quv<8.897"Vy kwgt 'K r tguukpu"  
 Hltgy qtm'Rctvkwv'g'Cf xkuqt { <8.897"Vy kwgt 'K r tguukpu"  
 P qy 'J kt kpi <'CS 'Ur gekrknu<3.685"Vy kwgt 'K r tguukpu"  
 P qy 'J kt kpi <'CS 'Ur gekrknu<3.339'Hegdqqm'Wugtu'Tgcej gf "  
 Ql qpg'Cf xkuqt { <7.; 28"Vy kwgt 'K r tguukpu"  
 Ql qpg'Cf xkuqt { '4<5.7: 2"Vy kwgt 'K r tguukpu"  
 Grgextle'Ect<3.; 89"Vy kwgt 'K r tguukpu"  
 Hegdqqm'Nlxg'Y kn kpi vqp<3.536"Vy kwgt 'K r tguukpu"  
 Ql qpg'Cf xkuqt { <3.732'Hegdqqm'Wugtu'Tgcej gf "  
 CD'839'Vgcugt<3.862"Vy kwgt 'K r tguukpu"  
 CD'839'Utgc o 'Tgo kpf gt<"3.747"Vy kwgt 'K r tguukpu"  
 Xgrq| 'Mlenkpi 'I cu<; : 6"Vy kwgt 'K r tguukpu"  
 CD'839'Utgc o <3.668"Vy kwgt 'K r tguukpu"  
 "  
 "

## OUTREACH TO COMMUNITY GROUPS AND FEDERAL, STATE, AND LOCAL GOVERNMENTS

Hkgrf "xkuku"cpf lqt"eqo o wplecvkpu'y gtg'eqpf wevgf "y kj "grgevgf "qhheknucpf lqt"uvchh'itqo " yj g'hqmqy kpi "ekkgu<"

Cnj co dtc"	I ctf gp"I tqxg"	Rcucf gpc"
Ctecf kc"	I ngpf crg"	Rregrpvc"
Cpcj glo "	I ngpf qtc"	Rqo qpc"
C  wuc"	I tcpf "Vgttceg"	Tcpej q'Eweco qpi c"
Dcrf y kp'Rctm'	J ki j rcpf "	Tgf rcpf u"
Dki 'Dgct"	J wpxpi vqp'Dgcej "	Tqugo gcf "
Dtef dwt { "	J wpxpi vqp'Rctm'	Tkxgtukf g"
Dwtdepm'	Ky kpf crg"	Tkcnq"
Ekx{ "qh'Kpf wwt { "	Kxkpg"	Uqwj 'I cvg"
Eqcej gmc"	Nc'Ec° cf c'Hkptkf i g"	Uqwj 'Rcucf gpc"
Erctgo qpV'	Nci wpc'P ki wgn'	Ucp'Dgtptcf kpg"
Ej kpg"	Nc'Rwgpvg"	Ucp'F ko cu"
Eqxkpc"	Nc'J cdtc"	Ucp'I cdtlgn'
Eqnqp"	Nc'Xgtpg"	Ucp'Lcelkpvq"
Ego o gteg"	Ncmg'Hqrguv"	Ucp'O ctkpg"
Equc'O guc"	Nqu'Cnc kqu"	Ucpw'Cpc"
E { r t guu"	Nqu'Cpi grgu"	Ucpw'Emtkc"
F cpc'RqkpV'	Nqo c'Nkpf c"	Ucpw'O qplec"
F ko qpf 'Dct"	Napi 'Dgcej "	Ukgttc'O cf tg"
F qy pg{ "	O kulkp'Xkglq"	Uqwj 'Gn'O qpvg"
F wctvg"	O qptqxc"	Uqwj 'I cvg"
Gcuwxcrg"	O qpwrck"	Uqwj 'Rcucf gpc"
Gn'O qpvg"	O qpwtg{ 'Rctm'	Vgo r ng'Ekx{ "
Hqpvpc"	P gy r qtv'Dgcej "	Vwukp"
Hqwpvcp'Xcmg{ "	Qpvtlq"	Y cnpw"
Hwngtvpq"	Qtcpi g"	Y guv'Eqxkpc"

"

Xkuku"cpf lqt"eqo o wplecvkpu'y gtg'eqpf wevgf "y kj "grgevgf "qhheknucpf lqt"uvchh'itqo "yj g" hqmqy kpi "ucvg"cpf "hgf gtcn'qhheg0"

"

- WUUTgr t gupvcxg'F kcp'g'Hgkpvkpg"
- WUUTgr t gupvcxg'Mco cm'J cttku"
- WUUTgr t gupvcxg'Rgv'Ci vkrct"
- WUUTgr t gupvcxg'P cpgvg'Dcttci cp"
- WUUTgr t gupvcxg'Mctgp'Dcuu"
- WUUTgr t gupvcxg'I kn'Ekupgtqu"
- WUUTgr t gupvcxg'Mgp'Ecngtv"
- WUUTgr t gupvcxg'Vqp{ 'Ectf gpcu"
- WUUTgr t gupvcxg'Lxf { 'Ej w"
- WUUTgr t gupvcxg'Rcwn'Eqqm'
- WUUTgr t gupvcxg'Nqw'Eqttgc"
- WUUTgr t gupvcxg'Mcvg'J kn'

- WUOT gr t g u g p v c k x g "V g f "N l g w"
- WUOT gr t g u g p v c k x g "C n p "N q y g p v j c n l"
- WUOT gr t g u g p v c k x g "I t c e g "P c r q r k c p q"
- WUOT gr t g u g p v c k x g "P c p e { "R g m u k"
- WUOT gr t g u g p v c k x g "M c v k g "R q t v g t"
- WUOT gr t g u g p v c k x g "J c t r g { "T q w f c"
- WUOT gr t g u g p v c k x g "N w e k n g "T q { d c n / C m t f ""
- WUOT gr t g u g p v c k x g "T c w n l T w k l "
- WUOT gr t g u g p v c k x g "C f c o "U e j k h h"
- WUOT gr t g u g p v c k x g "D t c f "U j g t o c p"
- WUOT gr t g u g p v c k x g "O c t n l V c n p q"
- WUOT gr t g u g p v c k x g "N k p f c "U c p e j g l "
- WUOT gr t g u g p v c k x g "P q t o c "V q t t g u"
- WUOT gr t g u g p v c k x g "O c z l p g "Y c v g t u"
- U g p c v q t "D g p "C n g p"
- U g p c v q t "U g x g p "D t c f h q t f "
- U g p c v q t "E q p p l g "N g { x c"
- U g p c v q t "O k n g "O q t t g m l"

"

U c h h l t g r t g u g p v g f "U q w j "E q c u w / C S O F "c p f l q t "r t q x k f g f "w r f c v g u "q t "c "r t g u g p v c k x p "v q "y j g"

h q m y k p i "i q x g t p o g p v c n l c i g p e k g u "c p f "d w u l p g u u "q t i c p k c v k p u <

"

C e v k x g "U c p "I c d t k n l X c m g { "

C p c j g l o "E j c o d g t "q h "E q o o g t e g"

C u u q e k c v k p "q h "E c r k h q t p k c "E k k g u . "Q t c p i g "E q w p v { "

D g c t "X c m g { "I q x g t p o g p v C h c k t u . "V t c p u r q t v c k p "E q o o k w g g"

E c r k h q t p k c "E q w p e k i h q t "G p x k t q p o g p v c n l c p f "G e q p q o l e "D c n p e g"

E c r k h q t p k c "F g r c t w o g p v "q h "V t c p u r q t v c k p ""

E n g c p "E k k g u "E q c r k k p . "E q c e j g m c "X c m g { "

E q n q p "E j c o d g t "q h "E q o o g t e g"

G c u w / X c m g { "O g t q r q r k c p "Y c v g t "F k u t l e v"

G c u x c m g "E j c o d g t "q h "E q o o g t e g"

I t g c v g t "E q c e j g m c "X c m g { "E j c o d g t "q h "E q o o g t e g""

J c t d q t "C u u q e k c v k p "q h "K p f w u t { "c p f "E q o o g t e g . "N q p i "D g c e j ""

J g c n j { "T g f n p f u"

K p n p f "C e v k p . "U c p "D g t p c t f k p q"

K p n p f "G o r k g "E j c o d g t "q h "E q o o g t e g"

K p n p f "X c m g { "F g x g n r o g p v C i g p e { "

N e v k p c "R w d r k e "U g t x l e g "C e c f g o { . "N q u "C p i g r u"

N c "J c d t c "G e q p q o l e "F g x g n r o g p v"

N c "X g t p g "E k { "E q w p e k i"

N g c i w g "q h "E c r k h q t p k c "E k k g u . "Q t c p i g "E q w p v { "

- U g p c v q t "C p v j q p { "R q t v c p v k p q"

- U g p c v q t "U w c p "T w d k q"

- U g p c v q t "V q o "W o d g t i "

- U g p c v q t "N k p i "N k p i "E j c p i "

- C u u g o d n { "O g o d g t "V q o "F c n l "

- C u u g o d n { "O g o d g t "N e w t c "H k g f o c p"

- C u u g o d n { "O g o d g t "E j t k u "J q r f g p"

- C u u g o d n { "O g o d g t "G f w c t f q "I c t e k c""

- C u u g o d n { "O g o d g t "G n k u g "I » o g l "T g { g u"

- C u u g o d n { "O g o d g t "H g f f k g "T q f t k i w g l "

- C u u g o d n { "O g o d g t "O k n g "I k r u q p"

- C u u g o d n { "O g o d g t "C n l "O w t c u w e j k"

- C u u g o d n { "O g o d g t "E q w k g "R g t k g / P q t t k u"

- C u u g o d n { "O g o d g t "L c o g u "E o T c o q u"

- C u u g o d n { "O g o d g t "H g f f k g "T q f t k i w g l "

- C u u g o d n { "O g o d g t "U c d t k p c "E g t x c p v g u"

- C u u g o d n { "O g o d g t "U j c t q p "S w k m U k x c"

Nqu'Cpi grgu'Eqwpv\ 'F gr ctvo gpv'qh'Rwdnle'J gcnj "  
 Nqu'Cpi grgu'Eqwpv\ 'O gvtqr qrkcp'Vtcpur qtvcvkqp'Cwj qtkv\ "  
 Nqu'Cpi grgu'Eqwpv\ 'F gr ctvo gpv'qh'Ucpkcvkqp'F kntleu"  
 Nqu'Cpi grgu'Eqwpv\ 'F gr ctvo gpv'qh'Y cvgt"cpf'Rqy gt""  
 Nqu'Cpi grgu'F gr ctvo gpv'qh'Rwdnle'Y qtmu"  
 Nqo c'Nkpf c'Ej co dgt"qh'Ego o gteg"  
 Nqpi 'Dgcej 'Ctgc'Ej co dgt"qh'Ego o gteg"  
 Nqpi 'Dgcej 'F gr ctvo gpv'qh'Rwdnle'J gcnj "  
 P gli j dqtj qqf 'Eqppgevkqpu.'Rcucf gpc"  
 Qtcpi g'Eqwpv\ 'Dwukpgui'Eqwpeki'  
 Qtcpi g'Eqwpv\ 'Ego o wpkv\ 'Tgrvkqpu'Eqmcdqtcvkxg"  
 Qtcpi g'Eqwpv\ 'Eqwpeki'qh'I qxgtpo gpw"  
 Qpvtlkq'Ej co dgt"qh'Ego o gteg"  
 Qo pkitcpu.'Ucp'Dgtptcf kpq""  
 Riregpvk'Ej co dgt"qh'Ego o gteg"  
 Tcpej q'Eweco qpi c'Rwdnle'Wkukgu"  
 Tgf rcpf u'Ej co dgt"qh'Ego o gteg"  
 Tkxgtukf g'Eqwpv\ 'Dqctf 'qh'Uwr gtxkuqtu"  
 Tkxgtukf g'Eqwpv\ 'F gr ctvo gpv'qh'Y cvgt"guqwtegu"  
 Tkxgtukf g'Eqwpv\ 'J gcnj 'Eqcrlkqp"  
 Tkxgtukf g'Vtcpu'Ci gpe{.'Vtcpur qtvcvkqp'P QY "  
 Ucp'Dgtptcf kpq'Eqwpv\ 'Dqctf 'qh'Uwr gtxkuqtu"  
 Ucp'Dgtptcf kpq'Eqwpv\ 'Vtcpur qtvcvkqp'Cwj qtkv\ "  
 Ucp'Dgtptcf kpq'Ctgc'Ej co dgt"qh'Ego o gteg"  
 Ucp'Dgtptcf kpq'Kvgtpcvkqpcn'Cltr qtv"  
 Ucp'O cpwgn'Dcpf 'qh'O kukqp'Kpf kcpu"  
 Ucpw'Cpc'Ej co dgt"qh'Ego o gteg"  
 Ucp'I cdtlgn'Xcmg{ 'Eqwpeki'qh'I qxgtpo gpw"  
 Ucp'I cdtlgn'Xcmg{ 'Geqpqo le'Rctvgtuj kr "  
 Ucp'I cdtlgn'Xcmg{ 'O qwpvckpu'T gi kqpcn'Eqpugtxcpe{ "  
 Ucp'Hgtpcpf q'Xcmg{ 'Eqwpeki'qh'I qxgtpo gpw"  
 Ugo r tc'Gpgti { "  
 Uqwj gtp'Ecnkhtplc'Cuuqekcvkqp'qh'I qxgtpo gpw"  
 Uqwj gtp'Ecnkhtplc'I cu'Ego r cp{ "  
 Uqwj 'I cvgt'Ej co dgt"qh'Ego o gteg"  
 Uqwj 'Rcucf gpc'Ej co dgt"qh'Ego o gteg"  
 Vtgg'Rgqr ng"  
 Y guvgtp'Tkxgtukf g'Eqwpeki'qh'I qxgtpo gpw"  
 "  
 "  
 "  
 "

Uchh'tgr tguwpvgf "Uqwj 'Eqcu'CS O F "cpf lqt'r tqxkf gf "w f cvgu"qt "c"r tguwpvcvkp"vq'yj g"  
hqmy lpi "eqo o wplv{ "cpf "gf wecvkpcnñ tqwr u'cpf "qti cplk cvkpu<"

Crkcp| c'Egcej gmc"Xcmg{ "  
Ecrkhqtpkc"Ucvg'Wpkxgtukv{ . 'Hwngtvqp"  
Ej cr o cp"Wpkxgtukv{ . "Qtcp i g"  
Gcuw[ ctf u'Ego o wplkgu'hqt"Gpxkqpo gpvcnLwnteg"  
Gf kuqp"J ki j "Uej qqn"J wplvpi vqp"Dgcej "  
Hqpvpc"Wpkhkgf "Uej qqnF kntlev"  
J wplvpi vqp"Dgcej "J ki j "Uej qqnF kntlev" " "  
KutcgñCo gtlecp'Eqwpekn"Ucpv'O qplec"  
Nqpi "Dgcej "Crkcpv'gqt'Ej kftgp'y kj "Cuy o c"  
Nqpi "Dgcej "Wpkhkgf "Uej qqnF kntlev"  
Nqu'Cpi gngu"Wpkhkgf "Uej qqnF kntlev"  
Rceqlo c"Dgcwkhwn"  
Rcu f gpc"P gli j dqtj qqf "Eqppgevkpu"  
Ucpv"Cpc"Eqmgi g"  
Ucp"Dgtptctf kpq"Wpkhkgf "Uej qqnF kntlev"  
Ucp"I cdtlgnXcmg{ "Eqpugtxcvkp"Eqtr u"  
Ucp"I cdtlgnO qwpvcvpu"agi kpcnEqpugtxcpe{ ""  
Vcnlpi "Tgur qpukdkv{ "cpf "EqpvtqnP gli j dqtj qqf "Y cvej . 'Nc"Rwgpvg"  
Wpkxgtukv{ "qh"Uqwj gtp"Ecrkhqtpkc. "MgemUej qqn'qh'O gf lekpg"  
[ qwj "Uekgpeg'Egpgt. "J cekgpf c"J gli j w"



[Back to Agenda](#)

DQCTF "O GGVKPI 'F CVG<"Ugr vgo dgt'8."423; "

CI GPFC'P Q0"32"

TGRQTV<"

J gctkpi 'Dqctf 'Tgr qtv'

U PQRUK<"

Vj ku'tgr qtw'vj g'cevqpu'cnqp'd{ 'vj g'J gctkpi 'Dqctf 'fwtkpi 'vj g'  
r gtlkf "qh'Lxpg'3"vj tqwi j 'Lwn{ '53.'423; 0'

EQO O KVVGG<"

P q'Eqo o kwgg'Tgxky "

TGEQO O GPFGF 'CEVKQP <"

Tgegkxg"cpf 'hkg0'

Lwkg'Rt wuacm'

Ej ckto cp"qh'J gctkpi 'Dqctf "

FI "

Vj tgg'uwo o ctkgu'ctg'cwcej gf <"**June and July 2019 Hearing Board Cases**"cpf '**Rules From Which Variances and Orders for Abatement Were Requested in 2019**'Cp"  
kpf gz"qh'Uqwj 'Eqcuw'CS OF 'Twgu'ku'cnq'cwcej gf 0'

Vj g'vqcn'pwo dgt"qh'cr r gcu'hkgf 'fwtkpi 'vj g'r gtlkf 'Lxpg'3"vq'Lwn{ '53.'423; 'ku'3="cpf "  
vqcn'pwo dgt"qh'cr r gcu'hkgf 'fwtkpi 'vj g'r gtlkf "qh'Lcpwct { '3"vq'Lwn{ '53.'423; 'ku'50'

## Report of June 2019 Hearing Board Cases

Case Name and Case No. (South Coast AQMD Attorney)	Rules	Reason for Petition/Hearing	South Coast AQMD Position/Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Air Liquide Large Industries US LP Case No. 5705-8 (B. Tomasovic)	203(b) 2004(f)(1) 3002(c)(1)	Petitioner requires additional time to fix leak in vent line and to take vent line temporarily out of service to install a clamp.	Not Opposed/Granted	EV granted commencing 6/11/19 and continuing through 6/14/19.	VOC: Up to 0.5 lb/hr
2. Equilon Enterprises LLC dba Shell Oil Products Case No. 4982-120 (M. Reichert)	203(b) 463(c)(2) 463(e)(4) 463(f)(1)(C) 1178(d)(2) 1178(g) 1178(h)(4) 2004(f)(1) 3002(c)(1)	Petitioner requires more than 72 hours to repair seal on contact water tank.	Not Opposed/Granted	SV granted commencing 6/19/19 and continuing through 7/31/19, or until final compliance is achieved, whichever occurs first.	VOC: 7 lbs/day
3. South Coast AQMD vs. D&D Disposal Inc., dba West Coast Rendering Co Case No. 3462-4 (D. Hsu)	415(d)(1)(B)(ii) 415(d)(1)(C)(ii) 415(e)(1) 415(e)(5) 415(e)(6)	To require Respondent to comply with provisions of rule to reduce odors.	Not Stipulated/Issued	O/A issued commencing 6/18/19 and continuing through 10/31/19. The Hearing Board shall retain jurisdiction over this matter until 10/31/19, or compliance with the terms of the Order is achieved, whichever occurs first.	N/A
4. South Coast AQMD vs. Gold Coast Baking Company, Inc. Case No. 6137-1 (T. Barrera)	N/A	Respondent requested additional production during the pendency of the Order and to change the construction schedule without modification to the FCD.	Not Stipulated/Issued	Mod. O/A issued commencing 6/18/19 and continuing through 12/1/19. The Hearing Board shall retain jurisdiction over this matter until 12/1/19.	N/A
5. South Coast AQMD vs. Sunshine Canyon Landfill Case No. 3448-14 (N. Sanchez)	N/A	Status Report.	No Action Taken	The Board received a status report and took no action to modify the O/A which is scheduled to end 6/30/19.	N/A

Case Name and Case No. (Staff Attorney)	Rules	Reason for Petition/Hearing	South Coast AQMD Position/Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
6. Walport Enterprises, Inc., dba Rowland Heights Mobil Case No. 6146-1 (D. Hsu)	203(a) 461(e)(5)	Petitioner requested relief from Rule 461 vapor recovery testing requirement.	Not Opposed/Granted	Ex Parte EV granted commencing 6/21/19 and ending when all applicable permits have been issued, but in no event later than 30 days.	None

### Acronyms

CARB: California Air Resources Board

CO: Carbon Monoxide

EV: Emergency Variance

FCD: Final Compliance Date

GDF: Gasoline Dispensing Facility

H&S: Health & Safety Code

IV: Interim Variance

MFCD/EXT: Modification of a Final Compliance Date & Extension of a Variance

Mod. O/A: Modification of an Order for Abatement

N/A: Not Applicable

NOx: Oxides of Nitrogen

O/A: Order for Abatement

RV: Regular Variance

SV: Short Variance

VOC: Volatile Organic Compounds

## Report of July 2019 Hearing Board Cases

Case Name and Case No. (South Coast AQMD Attorney)	Rules	Reason for Petition/Hearing	South Coast AQMD Position/Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Lake Arrowhead Community Services District Case No. 6142-1 (T. Barrera)	203(b)	Emergency generator exceeded annual permitted 200-hour operation limit due to inclement weather that resulted in power interruption causing failure of circuit board, repair of which was delayed by replacement part shipping error.	Not Opposed/Granted	RV granted commencing 7/31/19 and continuing through 12/31/19, the FCD.	CO: 0.4 lb/hr NOx: 0.4 lb/hr PM10: 0.02 lb/hr VOC: 0.4 lb/hr
2. South Coast AQMD vs. D&D Disposal Inc., dba West Coast Rendering Co. Case No. 3462-4 (D. Hsu)	N/A	Respondent requires additional time to meet condition requirements.	Not Stipulated/Issued	Mod. O/A issued commencing 7/9/19; the Hearing Board shall continue to retain jurisdiction over this matter until 10/31/19.	N/A
3. South Coast AQMD vs. Providence Tarzana Medical Center Case No. 6128-1 (T. Barrera)	203(a) 1470(c)(2)(C)(iv)(K)	Respondent cannot meet FCD due to unexpected design changes requested by LA County Fire Department.	Stipulated/Issued	Mod. O/A issued commencing 7/31/19; the Hearing Board shall retain jurisdiction over this matter until 9/30/19.	N/A
4. South Coast AQMD vs. Venice Baking (aka Innovative Baking) Case No. 6144-1 (S. Pruitt)	202(c) 407 1153.1 1303(a) 1303(b)	Respondent operating noncompliant baking ovens.	Stipulated/Issued	O/A issued commencing 7/24/19; the Hearing Board shall retain jurisdiction over this matter until 3/31/20.	N/A
5. South Coast AQMD vs. YMP Auto Body, Inc. Case No. 6145-1 (D. Hsu)	109(c)(1)	Respondent failed to maintain daily VOC usage records for paint spray booth.	Not Stipulated/Issued	O/A issued commencing 7/25/19; the Hearing Board shall retain jurisdiction over this matter until 12/31/19.	N/A

6. Tesoro South Coast Company, LLC Case No. 6147-1 (B. Tomasovic)	203(b) 461(c)(1)(A) 461(e)(5)	GDF failed CARB Leak Rate Test due to system configuration.	Not Opposed/Granted	Ex Parte EV granted commencing 7/3/19 and continuing until petitioner receives CARB approval to be designated as a research facility but in no event later than 8/1/19.	None
---	-------------------------------------	---	---------------------	---	------

### Acronyms

CARB: California Air Resources Board  
 CO: Carbon Monoxide  
 EV: Emergency Variance  
 FCD: Final Compliance Date  
 GDF: Gasoline Dispensing Facility  
 H&S: Health and Safety Code  
 ICE: Internal Combustion Engine  
 IV: Interim Variance  
 Mod. O/A: Modification Order for Abatement  
 N/A: Not Applicable  
 NOx: Oxides of Nitrogen  
 O/A: Order for Abatement  
 P/C: Permit to Construct  
 PM: Particulate Matter  
 PM10: Particulate Matter  $\leq$  10 microns  
 PPM: Parts Per Million  
 RV: Regular Variance  
 SV: Short Variance  
 SOx: Oxides of Sulfur  
 TBD: To Be Determined  
 VOC: Volatile Organic Compounds

[illegible]

## **SOUTH COAST AQMD RULES AND REGULATIONS INDEX FOR 2019 HEARING BOARD CASES AS OF JULY 31, 2019**

### **REGULATION I – GENERAL PROVISIONS**

Rule 109      Recordkeeping for Volatile Organic Compound Emissions

### **REGULATION II – PERMITS**

Rule 201      Permit to Construct  
Rule 202      Temporary Permit to Operate  
Rule 203      Permit to Operate

### **REGULATION IV – PROHIBITIONS**

Rule 407      Liquid and Gaseous Air Contaminants  
Rule 415      Odors from Rendering Facilities  
Rule 461      Gasoline Transfer and Dispensing  
Rule 463      Organic Liquid Storage

### **REGULATION XI - SOURCE SPECIFIC STANDARDS**

Rule 1110.2    Emissions from Gaseous- and Liquid-Fueled Engines  
Rule 1147      NOx Reductions from Miscellaneous Sources  
Rule 1150.1    Control of Gaseous Emissions from Municipal Solid Waste Landfills  
Rule 1153.1    Emissions of Oxides of Nitrogen from Commercial Food Ovens  
Rule 1158      Storage, Handling, and Transport of Coke, Coal and Sulfur  
Rule 1178      Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

### **REGULATION XIII – NEW SOURCE REVIEW**

Rule 1303      Requirements

### **REGULATION XIV – TOXICS**

Rule 1420.2    Emission Standards for Lead from Metal Melting Facilities  
Rule 1430      Control of Emissions from Metal Grinding Operations at Metal Forging Facilities  
Rule 1470      Requirements for Stationary Diesel-Fueled Internal Combustion and Other Ignition Engines

**REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)**

Rule 2004      Requirements

**REGULATION XXX - TITLE V PERMITS**

Rule 3002      Requirements

**CALIFORNIA HEALTH AND SAFETY CODE**

§41960.2      Maintenance of Vapor Control System



DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC "P Q0"33"

TGRQTV<"

EkxklHklpi u'cpf 'EkxklRgpcnkgu'Tgr qtv'

U PQRUKU"

Vj ku" tgr qtvu" vj g" o qpj n{ " r gpcnkgu" htqo " Lwpg"3." 423; " vj tqwi j " Lwpg"52."423; ."cpf "ngi cn'cevklpu" hkgf "d{ "vj g" I gpgtcn'Eqwpugn" Qhleg'htqo 'Lwpg"3"vj tqwi j 'Lwpg"52."423; 0'Cp'Kpf gz"qh'Uqwj 'Eqcu' CS OF 'Twgu'ku'cwcej gf 'y kj 'vj g'r gpcn{ 'tgr qtv0'

EQO O KVVGG<"

P q'Ego o kwgg'Tgxkgy "

TGEQO O GPFGF "CEVKQP <"

Tgeglxg"cpf 'hkg0'

Dc{tqp"V0I krej tkuv"

I gpgtcn'Eqwpugn'

DVI gy "

Vj gtg'ctg'pq'EkxklHklpi u'htq'Lwpg"423; "

## Attachments

Lwpg"423; 'Rgpcn{ 'Tgr qtv'

Kpf gz"qh'Uqwj 'Eqcu'CS OF 'Twgu'cpf 'Tgi wcvklpu"

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
General Counsel's Office**

**June 2019 Settlement Penalty Report**

<u>Total Penalties</u>	
Civil Settlements:	\$462,200.00
MSPAP Settlements:	\$18,080.00
Hearing Board Settlements:	\$26,000.00
Total Cash Settlements:	\$506,280.00
Total SEP Value:	\$0.00
Fiscal Year through 6 / 2019 Cash Total:	\$7,186,386.49
Fiscal Year through 6 / 2019 SEP Value Only Total:	\$265,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
<b>Civil Settlements</b>						
101656	AIR PRODUCTS AND CHEMICALS, INC.	2004(f)(1) 2005 3002(c)(1)	6/14/2019	NSF	P63375 P63380	\$11,000.00
182157	BAXALTA US INC	3002(c)(1)	6/20/2019	NSF	P66807	\$2,500.00
186599	CEDROS INVESTMENT LLC	1403	6/11/2019	KCM	P66271	\$1,100.00
56940	CITY OF ANAHEIM/COMB TURBINE GEN STATION	2012	6/4/2019	MJR	P60571	\$500.00
109013	EMERALD COURT	203(a) 222	6/12/2019	TRB	P63877	\$1,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
800372	EQUILON ENTER. LLC, SHELL OIL PROD. US	2004(f)(1) 3002(c)(1)	6/27/2019	TRB	P65318	\$2,500.00
124838	EXIDE TECHNOLOGIES	3002	6/18/2019	NSF	P63309	\$3,500.00
800089	EXXONMOBIL OIL CORPORATION	3002(c)(1)	6/6/2019	DH	P63406	\$165,000.00
148373	FULLERTON CUSTOM WORKS INC	203	6/6/2019	KCM	P63167	\$5,200.00
187243	JOSEPH FENTON	1403	6/6/2019	KCM	P66277	\$5,400.00
800075	LA CITY, DWP SCATTERGOOD GENERATING STN	2004 2012(c)(3)(A) 3002	6/7/2019	NSF	P64423 P66507	\$3,000.00
181933	NORTH GAS & MINI MART	203 461(c)(2)(B) 41960.2	6/13/2019	MJR	P61279	\$6,000.00
800408	NORTHROP GRUMMAN SYSTEMS	2012	6/27/2019	NSF	P68301	\$5,000.00
171941	Q.E.P. INC.	3002(c)(1)	6/27/2019	NSF	P66766 P66779	\$40,000.00
144835	QUALITY ALUMINUM FORGE A DIV OF GEL IND	1430(d)(2)	6/21/2019	KCM	P63875	\$7,000.00
104512	SOUTHERN CAL REGIONAL RAIL AUTHORITY	203(b)	6/14/2019	KCM	P65064 P66769	\$2,500.00
174655	TESORO REFINING & MARKETING CO, LLC	3002(c)(1)	6/27/2019	NSF	P65602	\$59,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
800436	TESORO REFINING AND MARKETING CO, LLC	40 CFR 60	6/27/2019	NSF	P60583	\$116,000.00
		1173			P64024	
		1176			P64025	
		1178			P64026	
		2004			P64028	
		3002(c)(1)			P64031	
800436	TESORO REFINING AND MARKETING CO, LLC	3002(c)(1)	6/27/2019	NSF	P64036	\$26,000.00

**Total Civil Settlements: \$462,200.00**

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
<b>MSPAP Settlements</b>						
182900	7-ELEVEN INC #37979	203	6/27/2019	TF	P66371	\$800.00
182901	7-ELEVEN INC #37980	203	6/27/2019	TF	P66372	\$800.00
186339	ADAPTIVE REALTY	1403	6/27/2019	GC	P66266	\$1,600.00
177905	APRO LLC DBA UNITED OIL #120	461(c)(2)(B)	6/27/2019	TF	P67667	\$1,000.00
177905	APRO LLC DBA UNITED OIL #120	461	6/27/2019	TF	P67659	\$1,000.00
180128	ATLANTIC PETROLEUM, INC	203(b)	6/21/2019	TF	P65260	\$800.00
182448	CHEVRON RIVERSIDE RD	461	6/27/2019	GC	P66353	\$440.00
153864	DIVERSIFIED ASPHALT PRODUCTS	203	6/28/2019	GC	P65168	\$640.00
179338	DUNCAN BROTHERS, INC.	3002	6/27/2019	GC	P59698	\$1,000.00
188465	E. STEWART & ASSOCIATES	203	6/27/2019	TF	P68509	\$250.00
119409	GOOSE CREEK GOLF CLUB	203	6/28/2019	GC	P67152	\$1,275.00
154188	MAIN STREET VALERO	461 H&S 41960	6/21/2019	TF	P64950	\$1,600.00
160499	NIETO'S STATION	461	6/21/2019	TF	P64945	\$1,000.00
187193	OCEANWIDE REPAIR	203	6/27/2019	TF	P67656	\$375.00
137487	P & S MOBIL	461 H&S 41960.2	6/27/2019	GC	P68111	\$400.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
187466	PALM SPRINGS INC.	461	6/27/2019	GV	P63231	\$400.00
187466	PALM SPRINGS INC.	203	6/27/2019	GV	P66362	\$400.00
188119	ROD'S TREE SERVICE INC	203	6/27/2019	TF	P65799	\$250.00
187775	RUSSEL COACH COMPANY LLC.	13 CCR 2485	6/21/2019	TF	P66808	\$1,200.00
179045	SILLY MONKEY, INC	13 CCR 2460	6/21/2019	GC	P60694	\$550.00
186767	STOUT ROOF CO	203	6/21/2019	TF	P62758	\$800.00
187709	TREZ COMPANY	403	6/21/2019	TF	P66768	\$1,000.00
123871	VERIZON WIRELESS/SIERRA PEAK #602	203(b)	6/27/2019	TF	P65393	\$500.00

**Total MSPAP Settlements: \$18,080.00**

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
<b>Hearing Board Settlements</b>						
104234	MISSION FOODS CORPORATION	202 203(b) 1153.1 1303	6/18/2019	KCM	5400-4	\$25,000.00
156902	PROVIDENCE TARZANA MEDICAL CENTER	203 1470	6/27/2019	TRB	6128-1	\$1,000.00
<b>Total Hearing Board Settlements: \$26,000.00</b>						

## **SOUTH COAST AQMD'S RULES AND REGULATIONS INDEX FOR JUNE 2019 PENALTY REPORT**

"

"

### **REGULATION II - PERMITS**

Rule 203 Permit to Operate

Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II

### **REGULATION IV - PROHIBITIONS**

Rule 403 Fugitive Dust - Pertains to solid particulate matter emitted from man-made activities

Rule 461 Gasoline Transfer and Dispensing

### **REGULATION XI - SOURCE SPECIFIC STANDARDS**

Rule 1173 Fugitive Emissions of Volatile Organic Compounds

Rule 1176 Sumps and Wastewater Separators

Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

### **REGULATION XIV - TOXICS**

Rule 1403 Asbestos Emissions from Demolition/Renovation Activities

Rule 1430 Control of Emissions from Metal Grinding Operations at Metal Forging Facilities

### **REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)**

Rule 2004 RECLAIM Program Requirements

Rule 2005 New Source Review for RECLAIM

Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO<sub>x</sub>) Emissions

### **REGULATION XXX - TITLE V PERMITS**

Rule 3002 Requirements for Title V Permits

### **CALIFORNIA HEALTH AND SAFETY CODE**

41960 Certification of Gasoline Vapor Recovery System

41960.2 Gasoline Vapor Recovery

"



**CALIFORNIA CODE OF REGULATIONS**

13 CCR 2460      Portable Equipment Testing Requirements

13 CCR 2485      Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor  
Vehicle Idling

**CODE OF FEDERAL REGULATIONS**

40 CFR 60, QQQ – Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater

[Back to Agenda](#)

DQCTF "O GGVKPI 'F CVG<'Ugr vgo dgt'8."423; "

CI GPFC"PQ0"34"

TGRQTV<"

Ngcf "Ci gpe{ "Rtqlgewu"cpf "Gpxktqpo gpvniF qewo gpw'Tgegkxgf "

U PQRUK<"

Vj ku'tgr qtv'r tqxkf gu."hqt'yj g'Dqctf au'eqpukf gtcvkqp."c'rkukpi "qh"  
EGS C"f qewo gpw'tgegkxgf "d{ "yj g"Uqwj "Eqcu'CS OF "dgwy ggp"  
Lwpg"3."423; "cpf "Lwn{ "53."423; ."cpf "yj qug'r tqlgewu'hqt'yj lej "yj g"  
Uqwj "Eqcu'CS OF "ku'cevki "cu'ngcf "ci gpe{ "r wtuwcpv'vq"EGS C0'

EQO O KVVGG<"

Pq'Eqo o kwgg'Tgxkgy "

TGEQO O GPFGF "CEVKQP <"

Tgegkxg"cpf "hkg0'

Y c{pg"Pcuwk"

Gzewkxg"Qhhegt"

RHUP 4Y <NUHK

**CEQA Document Receipt and Review Logs (Attachments A and B)**"ó"Gcej "o qpvj ." yj g"Uqwj "Eqcu'CS OF "tgegkxgu"pwo gtqwu'EGS C"f qewo gpw'htqo "qyj gt'r wdrle" ci gpekgu"qp'r tqlgewu'yj cveqwf "cf xgtugn{ "chhgev'ck'ts wcrkv{ 0C"rkukpi "qh'cmf'f qewo gpw' tgegkxgf "f wtkpi "yj g'tgr qtvkpi "r gtkqf "Lwpg"3."423; "yj tqwi j "Lwpg"52."423; "ku'kpenmf gf "kp" Cwcej o gpv'C30Vj g'rkukpi "qh'cmf'f qewo gpw'tgegkxgf "f wtkpi "yj g'tgr qtvkpi "r gtkqf "qh" Lwn{ "3."423; "yj tqwi j "Lwn{ "53."423; "ku'eqpvckpgf "cu'Cwcej o gpv'C40C"rkuk'qh'cevkg" r tqlgewu'hqt'yj lej "Uqwj "Eqcu'CS OF "uvch'ku'eqpvkpwkpi "vq"gxcmxvg"qt'r tgr ctg" eqo o gpw'htqo "yj g"Lwpg'tgr qtvkpi "r gtkqf "ku'kpenmf gf "cu'Cwcej o gpv'D3."cpf "yj g'rkuk'htqo" yj g"Lwn{ "tgr qtvkpi "r gtkqf "ku'kpenmf gf "cu'Cwcej o gpv'D40C"vqcn'qh'345'EGS C" f qewo gpw'y gtg'tgegkxgf "f wtkpi "yj gug'tgr qtvkpi "r gtkqf u"cpf "96"eqo o gpv'ngwtu'y gtg" ugpw0""

Vj g'Kpvti qxgtpo gpvniTgxkgy "hwpvckp."yj lej "eqpukru'qh'tgxkgy kpi "cpf "eqo o gpvki " qp"yj g"cf gs wce{ "qh'yj g'ck'ts wcrkv{ "cpcn{ uku'kp"EGS C"f qewo gpw'r tgr ctgf "d{ "qyj gt'ngcf " ci gpekgu."ku'eqpukngpv'y kj "yj g'Dqctf au'3; ; 9"Gpxktqpo gpvniLwukg'I wfk kpi "Rtkpek'rgu" cpf "Gpxktqpo gpvniLwukg"Kpkckvkg"%60Cu'tgs wktgf "d{ "yj g'Gpxktqpo gpvniLwukg" Rtqi tco "Gpj cpego gpw'htqo"H{ "4224/25."cr r tqxgf "d{ "yj g'Dqctf "kp"Qevqdg't4224."gcej " cwcej o gpv'pqgu'r tqr qugf "r tqlgewu'yj gtg'yj g"Uqwj "Eqcu'CS OF "j cu'dggp"eqpvcevgf "

tgi ctf lpi 'r qvgpvcn'ck's wrkv{/tgrvgf "gpvktqpo gpvcnlwvleg"eqpegtpu0Vj g'Uqwj 'Eqcu' CS O F 'j cu'gucdrkuj gf "cp'kpvtpcn'egpvcn'eqpcev'vq'tgegkxg'kphqto cvkqp'qp'r tqlgeu' y kj 'r qvgpvcn'ck's wrkv{/tgrvgf "gpvktqpo gpvcnlwvleg"eqpegtpu0Vj g'r wdrle'o c{" eqpcev'v'g'Uqwj 'Eqcu'CS O F 'cdqww'r tqlgeu'qh'eqpegt'p'd{"v'g'hqmy lpi 'o gcpu'kp" y tkkpi 'xlc'hc'z."go ckn'qt'ucpf ctf "ngwgtu=v'j tqwi j 'vgr j qpg'eqo o wplecvkqp=cpf "cu'r ctv' qh'qtcn'eqo o gpw'cv'Uqwj 'Eqcu'CS O F "o ggvkpi u'qt'qv'gt'o ggvkpi u'y j gtg'Uqwj 'Eqcu' CS O F 'uchh'ku'r tguv'0Vj g'cwcej o gpw'cuq'kf gpvkh{. 'hqt'gcej 'r tqlgev.'v'g'f cvgu'qh'v'g" r wdrle'eqo o gpv'r gtlkf "cpf 'v'g'r wdrle'j gctkpi 'f cvg. 'kh'cr r ncedrg0kpvgtguv'f 'r ctv'ku" uj qwf 'tgn'{"qp'v'g'ngcf "ci gpeku'v'go ugk'gu'hqt'f ghkpkxg'kphqto cvkqp'tgi ctf lpi 'r wdrle' eqo o gpv'r gtlkf u'cpf "j gctkpi u'cu'v'gug'f cvgu'ctg'qecukapcm' "o qf kkgf "d{"v'g'ngcf " ci gpe{0' ""

Cv'v'g'lcpxwt{"8."4228"Dqctf "o ggvkpi . 'v'g'Dqctf "cr r tqxgf 'v'g'Y qtnr rcp'hqt'v'g' " Ej cto cpai'Engcp'Rqtv'kpkcvkxgu0Qpg'cev'kqp'kgo "qh'v'g'Ej cto cpai'kpkcvkxgu'y cu'v'q" r tgr ctg'c'o qp'v'ng' "tgr qtv'f guetkdkpi 'EGS C'f qewo gpw'hqt'r tqlgeu'tgrv'gf "v'i qqf u" o qxgo gpv'cpf "v'o cng'hwn'wug'qh'v'g'r tqegu'v'g'g'pwt'g'v'g'ck's wrkv{"ko r ceu'qh'uwej " r tqlgeu'ctg'v'j tqwi j ng' "o kki cvgf 0k'p'tgur qpug'v'g'f guetkdkpi 'i qqf u'o qxgo gpv.'EGS C" f qewo gpw'\*Cwcej o gpw'C'cpf "D+ctg'qti cpl'gf "v'i tqw' "r tqlgeu'qh'kpvgtgu'kpv'v'g' " hqmy lpi "ecv'gi qtlgu'<i qqf u'o qxgo gpv'r tqlgeu=u'ej qqu=rpf hkm'cpf "y cugy cvgt" r tqlgeu=ckr qtwa=i gpgtcn'rcpf 'wug'r tqlgeu.'gve0k'p'tgur qpug'v'g'v'g'o kki cvkqp" eqo r qp'gpv.'i wlf cpeg'kphqto cvkqp'qp'o kki cvkqp'o gcuw'gu'y cu'eqo r krgf "kpv'c'ugt'ku'qh" vdr'gu'tgrv'xg'v'q'<qh'h/tqcf "gpi kpgu=qp/tqcf "gpi kpgu=j ctdqt'etchw=qegcp/i qkpi 'xguugn=" meqo qv'xgu=hwi kkg'f wuv=cpf "i tggpj qwug'i cugu0Vj gug'o kki cvkqp'o gcuw'g'vdr'gu'ctg" qp'v'g'EGS C'y gdr ci gu'r qt'kqp'qh'v'g'Uqwj 'Eqcu'CS O F ai'y gduk'g'cv' "[j wr <ly y y Qes o f 0 qx lj go glt gi wv kq pulegs c lct/s wrkv{/cp cn/ uku/j cpf dq qmlo kki cvkqp/ o gcuw'gu/cpf /eqpv'qn'gh'ek'gpeku0Uchh'y kn'eqpv'kpwg'eqo r kkp' "vdr'gu'qh'o kki cvkqp" o gcuw'gu'hqt'qv'gt'go ku'kqp'uqwt'egu0' ""](#)

Uchh'hqewugu'qp'tgxkgy lpi "cpf 'r tgr ct'kpi "eqo o gpw'hqt'r tqlgeu'<y j gtg'v'g'Uqwj 'Eqcu' CS O F 'ku'c'tgur qpukdr'ci gpe{=v'cv'o c{"j cxg'uki pkh'ecpv'cf xgtug'tgi kqpcn'ck's wrkv{" ko r ceu'\*g0 Our gekn'gxgpv'egpvtu.'rcpf hkm.'i qqf u'o qxgo gpv'=v'cv'o c{"j cxg'ng'ecrk'gf " qt'v'qzle'ck's wrkv{"ko r ceu'\*g0 0y ctg'j qwug'cpf "f kwt'kdwkqp'egpvtu=y j gtg" gpvktqpo gpvcnlwvleg"eqpegtpu'j cxg'dggp'tckugf =cpf "y j kej "c'ngcf "qt'tgur qpukdr'ci gpe{"j cu'ur gek'h'ecm'{"tgs wguv'f "Uqwj 'Eqcu'CS O F 'tgxkgy 0k'ku'uchh'r tqxkf gf "y tkwgp" eqo o gpw'v'v'g'ngcf "ci gpe{"cu'pqv'f "kp'v'g'eqnw p"oEgo o gpv'Ucwu.o'v'gtg'ku'c'kpn' v'v'g'g'oUqwj 'Eqcu'CS O F 'Ngwgt'o'w'pf gt'v'g'Rtqlgev'F guet'k'v'kqp0k'p'cf f kkp'p.'kh'uchh' v'v'g'k'gf 'cv'c'j gctkpi 'hqt'v'g'r tq'qugf 'r tqlgev."c'pq'cvkqp'ku'r tqxkf gf "w'pf gt'v'g'g" oEgo o gpv'Ucwu.o'k'v'gtg'ku'pq'pq'cvkqp.'v'gp'uchh'f k'f "pqv'r tqxkf g'v'guko qp{"cv'c" j gctkpi 'hqt'v'g'r tq'qugf 'r tqlgev0' "" "" "" ""

F wtkpi "vj g'r gtlkf "Lwpg"3."423; "vj tqwi j "Lwn"53."423; . "vj g"Uqwj "Eqcu'CS O F "tgegkxgf " 345"EGS C"f qewo gpw0Qh"vj g"vqcn'qh"385"f qewo gpw'hkxgf "kp"Cwcej o gpw"C3."C4."D3." cpf "D4<"

- " 96"eqo o gpv'ngwtu'y gtg'ugpv="
- " 82"f qewo gpw'y gtg'tgxky gf ."dw'pq"eqo o gpw'y gtg'o cf g="
- " 38"f qewo gpw'ctg'ewtgpwn{ "wpf gt'tgxky ="
- " 2"f qewo gpv'f kf "pqv'tgs wktg"eqo o gpw"\*g0 0'r wdrke"pqv'legu="
- " 2"f qewo gpw'y gtg'pqv'tgxky gf ="cpf "
- " 35"f qewo gpw'y gtg'uetggpgf "y kj qw'cf f kkpncn'tgxky 0"

" \*Vj g"cdqxcg"uncv'ku'ctg'htqo "Lwpg"3."423; "vq" "Lwn"53."423; "cpf"o c{ "pqv'kpenmf g"vj g" o quv'tgegpv'dEqo o gpv'Ucwuö"wr f cvu'kp"Cwcej o gpw"C3."C4."D3."cpf "D40"

Eqr kgu'qh'cm'eqo o gpv'ngwtu'ugpv'vq'ngcf "ci gpekgu"ecp"dg'hqwpf "qp"vj g"Uqwj "Eqcu' CS O F"EGS C"y gdr ci g'cv'vj g'hqmy kpi "kpwtpgv'cf f tguu<"  
[j wr <ly y y Qes o f 0 qx lj qo gl gi wr v k p u l e g s c l e q o o g p v k p i / c i g p e { 0](#)

**South Coast AQMD Lead Agency Projects (Attachment C)**"ó"Rwtuwcpx'vq'EGS C."vj g" Uqwj "Eqcu'CS O F "r gtlkf kcm{ "cew'cu'ngcf "ci gpe{ "hqt"uncv'kpct{ "uqwtg'r gto kv" r tqlgeu0Wpf gt'EGS C."vj g'ngcf "ci gpe{ "ku'tgur qpukdg'hqt"f gvgto klpki "vj g"v' r g"qh" EGS C"f qewo gpv'vq"dg'r tgr ctgf "kh'vj g'r tqr qucn'htq"cev'kp'ku'eqpukf gtgf "vq"dg"o"ör tqlgeuö" cu'f gh'kp'gf "d{ "EGS C0Hqt"gzco r ng."cp"Gpxktqpo gpv'cn'ko r cev'Tgr qtv\*"GKT"+ku'r tgr ctgf " y j gp"vj g"Uqwj "Eqcu'CS O F ."cu'ngcf "ci gpe{ ."hpf u'uwduxcpv'cn'gxkf gpeg"vj cv'vj g" r tqlgeuö c{ "j cxg"uki p'k'kecpv'cf xgtug"gh'geu"qp"vj g"gp'xktqpo gpv'Uko k'ctn{ ."c"P gi cv'xg" F gerctcv'kp"\*P F "+qt "O kki cvgf "P gi cv'xg"F gerctcv'kp"\*O P F "+o c{ "dg'r tgr ctgf "kh'vj g" Uqwj "Eqcu'CS O F "f gvgto kpgu"vj cv'vj g'r tqlgeu'y kn'pqv'i gpgtcvg'uki p'k'kecpv'cf xgtug" gp'xktqpo gpv'cn'ko r cev."qt"vj g'ko r cev"ecp"dg"o kki cvgf "vq"nguu'vj cp'uki p'k'kecp'eg0Vj g" P F "cpf "O P F "ctg"y tkwgp"uncvgo gpw'f guetkdkpi "vj g'tgcuppu"y j { "r tqlgeu'y kn'pqv'j cxg"o" uki p'k'kecpv'cf xgtug"gh'geu"qp"vj g"gp'xktqpo gpv'cpf ."vj gtgh'qtg."f q'pqv'tgs wktg"vj g" r tgr ctcv'kp"qh'cp"GKT0"

Cwcej o gpw'E3"cpf "E4"vq"vj ku'tgr qtv'uwo o ctkt g'vj g'cev'xg'r tqlgeu'hqt"y j lej "vj g"Uqwj " Eqcu'CS O F "ku'ngcf "ci gpe{ "cpf "ku'ewtgpwn{ "r tgr ctkpi "qt"j cu'r tgr ctgf "gp'xktqpo gpv'cn' f qewo gpv'cv'kp0Cu"pqvgf "kp"Cwcej o gpw'E3"cpf "E4."vj g"Uqwj "Eqcu'CS O F "eqp'v'p'wgf " y qtnkpi "qp"vj g'EGS C"f qewo gpw'hqt"vj tgg"cev'xg'r tqlgeu'f wtkpi "Lwpg"cpf "Lwn"0"

## Attachments

C0'Kpego kpi "EGS C"f qewo gpw"Nqi "

D0'Qpi qkpi "Cev'xg"Rtqlgeu'hqt"Y j lej "Uqwj "Eqcu'CS O F "J cu'qt"Y kn'Eqpf wev"o"

" EGS C"Tgxky "

E0'Cev'xg"Uqwj "Eqcu'CS O F "Ngcf "Ci gpe{ "Rtqlgeu"

**ATTACHMENT A1·  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to" June 30, 2019"**

UQWJ 'EQUCV'CS OF "NQI /R'P WODGT"	RTQIGE V'F GUET RRVQIP "	V\ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RTQIGE V'VK/NG"				
<b>Warehouse &amp; Distribution Centers"</b> <b>RVC190621-01"</b> Qngcpf gt'Dwulpguu'RctmiRtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qh'eqputwexkp'qh'y q'y ctgj qwugu'qvcnkp '932.958'us wctg'hggv'qp" ; 50 7'cetgu0Vj g'r tqlgev'ku'hqecvgf "qp'yj g'uqwj gcuveqtpgt'qh'P cpf kpc'Cxgpgw'cpf 'F c{' 'Utggv'kp" yj g'eqo o wplv' 'qh'O gcf 'Xcng{'0'  <a href="#">j wr&lt;dly y y &amp;so f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwn\ IT'XE3; 2843/230 f h'</a>  Eqo o gpv'Rgtlqf <817423; /"917423; " Rwdrie"J gctlpi <P IC"	P qvleg'qh' Rtrgrctc'vqp"	Eqwv'v' 'qh'Tkxgtukf g'	Uqwj 'Eqcu' CS O F 'wch' eqo o gpwgf " qp" 914423; "
<b>Warehouse &amp; Distribution Centers"</b> <b>RVC190625-05"</b> K Klpf kcp'Cxgpgw'cpf 'Tco qpc" Czr tguay c{' 'Y ctgj qwug'Rtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qh'eqputwexkp'qh'c'64: .952/us wctg/hqvy ctgj qwug'qp'460'cetgu0' Vj g'r tqlgev'ku'hqecvgf "qp'yj g'pqtj gcuveqtpgt'qh'Tco qpc'Czr tguay c{' 'cpf 'Kpf kcp'Cxgpgw0'  <a href="#">j wr&lt;dly y y &amp;so f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwn\ IT'XE3; 2847/270 f h'</a>  Eqo o gpv'Rgtlqf <843423; /"9144423; " Rwdrie"J gctlpi <P IC"	O kki cvgf " P gi cvxg" F gerctc'vqp"	Ekv' 'qh'Rgttku"	Uqwj 'Eqcu' CS O F 'wch' eqo o gpwgf " qp" 9134423; "
<b>Airports"</b> <b>LAC190619-11"</b> Nqu'Cpi grgu'kpgtpev'kpcn'Cltr qt v' *NCZ +Ck hgrf "cpf 'Vgto kpcn' O qf gtpk cvkp'Rtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qh'y gungtn' "gz vgpukp'qh'qpg'czky c{ . 'tgeqphki wcvkp'qh'twpy c{ " gzkau' 'cpf 'tgo qxcn'qh'tgo qvg'i cvgu0Vj g'r tqlgev'y kn'cnuq' lpenw' g'eqputwexkp'qh'cp' 'cwqo cvgf " r gqr ng'o qxgt' 'wcvkp. 'c'r gf gultcp'dtkf i g'cetquu'Ugr wkgf c'Dqwgxtcf . 'cp'33/i cvg'eqpeqwtug" hcekkv. 'cpf 'c'34/i cvg'vgo kpcn0Vj g'r tqlgev'ku'hqecvgf 'kp'yj g'pqtj 'cpf 'uqwj 'ckthgrf u'y kj kp'yj g" Nqu'Cpi grgu'kpgtpev'kpcn'Cltr qt 0Vj g'pqtj 'ckthgrf 'ku'hqecvgf 'pgct'yj g'pqtj gcuveqtpgt'qh' Rgtuj lpi 'F tkxg'cpf 'Ugr wkgf c'Dqwgxtcf 0Vj g'uqwj 'ckthgrf 'ku'hqecvgf 'cv'Vczly c{ 'E'dgy ggp" Ugr wkgf c'Dqwgxtcf "cpf 'Cxlcvkp'Dqwgxtcf 0' Tghgtgpeg"NCE3; 2626/23"  Eqo o gpv'Rgtlqf <813: 423; /"9152423; " Rwdrie"J gctlpi <913: 423; "	P qvleg'qh'kpgvp' vq'Rtrgrctg'cp" Gpxkqpo gpvcn' Cuuguo gpv'	Nqu'Cpi grgu'Y qtrf " Cltr qt wu"	F qewo gpv' txxlgy gf /" P q" eqo o gpw' ugpv'
<b>Industrial and Commercial"</b> <b>LAC190619-08"</b> 6273'Uqwj 'Cncro gf c'Utggv'Rtqlgev"	Vj ku'f qewo gpv'lpenw' gu'tgur qpugu'v'eqo o gpw'qp'cf f kkpncn'ewo wcvxg'gpxkqpo gpvcn'pcn'uku' hqt'htggy c{ 'hcekkkku'kp'tgur qpug'v'yj g'Nqu'Cpi grgu'Eqwv'v' 'Uwr gtlqt 'Eqwtu'v'wkp' hqt'yj g" r tqr qugf "r tqlgev0Vj g'r tqr qugf "r tqlgev'eqpukuu'qh'eqputwexkp'qh'6: 2.342'us wctg'hggv'qh' kpf wutkn'wugu'qp'36'cetgu0Vj g'r tqlgev'ku'hqecvgf "qp'yj g'uqwj gcuveqtpgt'qh'Cncro gf c'Utggv'cpf " O ctv'p'Nwj gt 'Mpi '1i0Dqwgxtcf 'kp'yj g'eqo o wplv' 'qh'Uqwj gcuveqtpgt'Nqu'Cpi grgu' Tghgtgpeg"NCE3; 2624/28.'NCE383323/37.'cpf 'NCE372344/2; "  Eqo o gpv'Rgtlqf <P IC" Rwdrie"J gctlpi <847423; "	Rctv'cn' " Tgekwv'v' Hkpcn' Gpxkqpo gpvcn' K6 r cev'Tgr qt v'	Ekv' 'qh'Nqu'Cpi grgu'	F qewo gpv' txxlgy gf /" P q" eqo o gpw' ugpv'

\*Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received."

%/'Rtqlgev'j cu'r qepv'cn'gpxkqpo gpvcn'wnteg'eqpegtpu'f vg'v'yj g'pcw'g'cpf kq' hqecv'kp'qh'yj g'r tqlgev0'  
F qewo gpw'tgegkxgf "d{ 'yj g'EGS C'kpgti qxgtpo gpvcn'Txxlgy 'r tqi tco 'dww'pqv'tgs wklpi 'txxlgv 'ctg'pqv'lpenw' gf 'kp'yj ku'tgr qt v0'

**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG"**  
**June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLG EV'VK/NG"	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'f go qrikakp'qh'cp": .538/us wctg/hqqv'ut wewt g'cpf "eqputwewkqp'qh' c'345.; 72/us wctg/hqqv'ugrh/uqctci g'hcekks' 'qp'308'cetgu0Vj g'r tqlgev'ku'heqevgf "qp'yj g'uqwj gcuw' eqtpgt'qh'J cungrnCxgpwg'cpf "Y guv'Tqueeg'Dqwgxctf "P wfu0' "	P gi c'kxg" F gerctc'kqp"	Ek' 'qh'Nqu'Cpi grgu'	Fqewo gpv' t'xkgy gf "/" P q" eqo o gpw' ugpv"
<b>LAC190620-01"</b> GP X/423; /3567'<37862"Y guv'Tqueeg" Dqwgxctf "	Eqo o gpv'Rgtkqf <842423; /"9B2423; "	Rwdrie"J gctkpi <P IC"		
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'f r tqxgo gpw'v'q'gzkukpi "Napi "Dgcej "etwug'v'gto kpcn'v'q" ceeqo o qf c'v'g'rti g'etwug'uj k'u'y kj "c'ecr cek' 'qh'6.22: 'r cuugpi gtu0Vj g'r tqlgev'y knilpen'f g" f tgf i kpi 'gzkukpi 'dgt'y 'q'c'f ggr gt'f gr yj "It qo "52'lgg'v'q'59'lgg'v'eqputwewkqp'qh'v'y q'o qqt kpi " f qn' j kpu'ecvy cmmu'c'r cuugpi gt'y cmy c'{'dtkf i g'gzv'gukqp.'cpf 'lgpf gt' tgr r'ego gpw.'g'zr cpukqp'qh' gzkukpi 'r ctnkpi 'ecr cek' 'It qo "3.652'ur cegu'v'q'4.277'ur cegu'cpf 'tgeqph'ki w'c'kqp'qh'v'ch'le'it'p'gu0' Vj g'r tqlgev'ku'heqevgf "cv'453"Y kpf uqt "Y c'{'cv'Rkgt "J "cf l'ceg'p'v'q'TO US vggp'O ct {'y kj kp 'y' g" S vggp'O ct {'U'gr q'tv'lp'yj g'Rqtv'qh'Napi "Dgcej 0' <a href="#">j wr &lt;ly y y Q'so f 0 qx lf qeul'f gh'cwn/uqwt eg l'egs c leqo o gpv'ngwtu423; llwr l'NCE3; 2842/25' 420 f h'</a> "	O kki cygf " P gi c'kxg" F gerctc'kqp"	Ek' 'qh'Napi 'Dgcej "	Uqwj 'Eqcu' CSO F 'twch' eqo o gpw'f " qp" 9B; 423; "
<b>LAC190620-03"</b> Napi 'Dgcej "Vgto kpcn'k r tqxgo gpv' Rtqlgev'	Eqo o gpv'Rgtkqf <842423; /"9B; 423; "	Rwdrie"J gctkpi <P IC"		
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'f'eqputwewkqp'qh'h'xg'eqo o gtekn'c'p'f'qh'h'eg'dw'kf kpi u'v'q'cnkpi " 86.; 22'us wctg'lgg'v'q'70 8'cetgu0Vj g'r tqlgev'ku'heqevgf "qp'yj g'uqwj gcuw'eqtpgt'qh'Rcugq'Cf gr'cpv" cpf "Tlxgt'Utggv'0' Tghgtgpeg'QTE3; 2423/2: "cpf "QTE3: 233: /26" "	H'kpcn' Gpxktqpo gpv'cn' K0 r cev'Tgr qtv'	Ek' 'qh'Ucp'Lwcp" Ecr k'utcpq"	Fqewo gpv' t'xkgy gf "/" P q" eqo o gpw' ugpv"
<b>ORC190619-07"</b> Tlxgt'Utggv'0 ctngr'neg"	Eqo o gpv'Rgtkqf <P IC"	Rwdrie"J gctkpi <94423; "		
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'f'eqputwewkqp'qh'cp": 2.: : /us wctg/hqqv'lpf wutkcn'dw'kf kpi "qp"607" cetgu0Vj g'r tqlgev'ku'heqevgf "cv'43: 23'Detvqp'Tqcf "qp'yj g'uqwj y guv'eqtpgt'qh'Nc'Etquug'Cxgpwg" cpf "Detvqp'Tqcf 0' "	Ukg'R'xcp"	Ek' 'qh'I t'cpf " Vgtt'ceg"	Uqwj 'Eqcu' CSO F 'twch' eqo o gpw'f " qp" 8B3423; "
<b>SBC190606-10"</b> Eqpf k'kqpcn'Wug'Rgto k'3; /26.'Ukg'cpf " Ctej k'gew'atcn'T'xkgy "3; /27.'\ qpg" E'j cpi g'3; /23.'cpf "G'3; /28" "	Eqo o gpv'Rgtkqf <846423; /"8B; 423; "	Rwdrie"J gctkpi <8B; 423; "		
<a href="#">j wr &lt;ly y y Q'so f 0 qx lf qeul'f gh'cwn/uqwt eg l'egs c leqo o gpv'ngwtu423; llwpg l'UDE3; 228/320 f h'</a> "				

%/"Rtqlgev'j cu'r q'v'p'cn'gpxktqpo gpv'cn'l'w'keg'eqpegt'pu'f w'g'v'q'yj g'p'cw'g'cpf k'q' h'qec'v'kqp'qh'yj g'r tqlgev'0' Fqewo gpw'ut'ge'k'xgf "d'{'y' g'EGS C'k'p'v'gti q'xgtpo gpv'cn'T'xkgy 'r tqi tco "dw'p'q'v't's w'k'kpi 't'xkgy 'ctg'p'q'v'k'p'cn'f gf "lp'yj k'ut'gr q'tv'0'

**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P'WO DGT"	RT QLG E V'F GUET R'RVQ P "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Industrial and Commercial"</b>				
<b>SBC190613-01"</b> Ej kq'RctegriF grxgt { 'Hckrw{ 'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'eqpuw'ekqp'qhc'698.4: 7/us wctg/hqpv'y ctgj qwug'cpf 'hqw' cpeknrt { 'utwewtgu'vqcrki '48.: ; 5'us wctg'lggv'qp'9606'cetgu0Vj g'r tqlgev'y knicnuq'kpenf g'c" f lguenlwgrki 'kucpf 'y kj 'ukz'ucv'kpu0Vj g'r tqlgev'ku'hqecvgf 'qp'yj g'uqwj y guv'eqtpgt'qh'O gttkmi' Cxgpwg'cpf 'Hki j v'Cxgpwg0' Tghgtgpeg'UDE3; 2529/25.'UDE392; 48/24.'cpf "UDE383444/25" " " Ego o gpv'Rgtkqf <'P IC" Rwdrie"J gctkpi <'91381423; "	Hlpcni' Gpxktqpo gpvni' K0 rcevTgr qtv'	Ek{ 'qh'Ej kq"	Fqewo gpv' txxlgy gf'/" P q" eqo o gpw' ugpv'
<b>Waste and Water-related"</b>				
<b>LAC190604-01"</b> Dqf {eqvg/Xgtppq"Ukg"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'f gxrgr o gpv'qh'tgo gf knic'ev'kpu'v'q'engcp'wr 'eqpwo kpcvgf 'uqki' y kj 'xqrv'kg'qti cple'eqo r qwpf u'qp'30'cetgu0Vj g'r tqlgev'ku'hqecvgf 'cv'4; 22'Uqwj 'Uwpqn'F tkxg" qp'yj g'pqt'yj gcu'eqtpgt'qh'Uwpqn'F tkxg'cpf 'C { gtu'Cxgpwg'y kj kp'yj g'Ek{ 'qh'Xgtppq0' " <a href="#">j wr&lt;ly y y Qs o f0 qx lf qeulf ghcwn/uqwtglegs c leqo o gpv'ngwtu423; llwpglNCE3; 2826/230 f h'</a> " Ego o gpv'Rgtkqf <'71461423; /'"81451423; " Rwdrie"J gctkpi <'P IC"	F tchm'Tgo qxcni' Cevkqp'Y qtnr rcp"	Fgr ctvo gpv'qh' Vqzle'Uwduncpegu' Eqpvtqni'	Uqwj 'Eqcu' CS O F 'uwhi' eqo o gpw' qp" 8131423; "
<b>Waste and Water-related"</b>				
<b>LAC190606-01"</b> Enuu'4'Rgto k'O qf k'hecv'kqp'C'r r tpxcn' hqt'Engcp'J ctdqtu'Gpxktqpo gpvni' Ugtxlegu.'kpe0'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'cr r tpxcn'qhi'r gto k'o qf k'hecv'kpu'v'q'lpucni'cpf 'qr gtcvg'c' uqki' xcr qt'gzv'ce'kqp'u'ungo 'q'tgo gf kcv'vgtcej mttqgy cpq'eqpwo kpcv'kqp'kp'uqki'cpf 'uqki'xcr qt0Vj g' r tqlgev'ku'hqecvgf 'cv'338339'Cxgpkf c'Rcf knc'qp'yj g'uqwj gcu'eqtpgt'qh'Cxgpkf c'Rcf knc'cpf " Ky kpf cng'Cxgpwg'y kj kp'yj g'Ek{ 'qh'Ky kpf cng0' Tghgtgpeg'NCE39293; /35" " " Ego o gpv'Rgtkqf <'71521423; /'"81521423; " Rwdrie"J gctkpi <'P IC"	Rgto k' O qf k'hecv'kqp"	Fgr ctvo gpv'qh' Vqzle'Uwduncpegu' Eqpvtqni'	Fqewo gpv' txxlgy gf'/" P q" eqo o gpw' ugpv'
<b>Waste and Water-related"</b>				
<b>LAC190611-02"</b> Hqto gt'Dqf {eqvg'Vj gto cniRtqegulpi " Hckrw{ "	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'f gxrgr o gpv'qh'tgo gf knic'ev'kpu'v'q'engcp'wr 'eqpwo kpcvgf 'uqki' y kj 'ej mttkpcvgf 'xqrv'kg'qti cple'eqo r qwpf u'qp'30'; 'cetgu0Vj g'r tqlgev'ku'hqecvgf 'cv'3: 822" Qzpcft 'Utgvgv'qp'yj g'uqwj y guv'eqtpgt'qh'Y guv'Qzpcft 'Utgvgv'cpf 'Dckf 'C'xgpwg'kp'yj g' eqo o wplv{ 'qh'Vctj cpc'y kj kp'yj g'Ek{ 'qh'NquCpi grgu0' <a href="#">j wr&lt;ly y y Qs o f0 qx lf qeulf ghcwn/uqwtglegs c leqo o gpv'ngwtu423; llwpglNCE3; 2833/240 f h'</a> " Ego o gpv'Rgtkqf <'8161423; /'"91: 1423; " Rwdrie"J gctkpi <'P IC"	Tgo gf kni'k'vgtko " O gcuwtgu'Y qtni' Rrcp"	Fgr ctvo gpv'qh' Vqzle'Uwduncpegu' Eqpvtqni'	Uqwj 'Eqcu' CS O F 'uwhi' eqo o gpw' qp" 813: 1423; "

%/'Rtqlgev'j cu'r qv'p'kni'gpxktqpo gpvni'lw'leg'eqpegtpu'f wg'v'q'yj g'bcw'g'cpf kq' hqec'v'kqp'qh'yj g'r tqlgev'0' Fqewo gpw'itgeg'xgf "d{ 'yj g'EGS C'k'vgti qxgtpo gpvni'Txxlgy 'r tqi tco "dw'p'qv'tgs wklpi 'txxlgv 'ctg'p'qv'kpenf gf 'kp'yj ku'tgr qtr0'



**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG"**  
**June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVIQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>Waste and Water-related"</b> <b>LAC190613-06"</b> GcuV'Y guV'Xcng{ 'I'pvgtegr vqt 'Ugy gt" Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputwevkp'qh'37.9: 7'itpgct'hggv'qh'r kr gnp'g'tcpi kpi 'lp'f lco gvg't' h'qo '46'q'6: 'lpej gu0Vj g'r tqlgev'ku'hqecvgf 'cnp' 'Xlcvtkc'Dqwgxctf 'dgy ggp'Xlpgncpf 'Cxgpgw" cpf 'J cunm'Cxgpgw'lp'j g'e'qo o wplkgu'qh'P qtj 'J qm'y qqf '"/Xcng{ 'Xlnci g'cpf 'Xcp'P w'u'/" P qtj 'Uj gto cp'Qcm0' Tghgtgpeg'NCE3; 2347/25" <a href="#">j wr&lt;dy y y t's o f 0 qx lf qeulf gh'wn/uqwtglegs c leqo o gpv'ngwtu423; llw' INCE3; 2835/280 f h'</a> " Eqo o gpv'Rgtlqf <8B5 423; /"9I4; 423; " Rwdrie'J gctkpi <'9B3 423; "	F tch' Gpxktqpo gpvcn' K0 r cev'Tgr qtv'	Ek{ 'qh'Nqu'Cpi gngu'	Uqwj 'EqcuV' CS O F 'hch' eqo o gpw'f " qp" 9I47 423; "
<b>Waste and Water-related"</b> <b>LAC190614-01"</b> Rcekle'Tguqwtg'Tgeqxtg{ 'Ugtxlegu"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'g'xukup'u'q'r gtuqppgn'itclpki 'r ncp'cpf 'tgr n'ego gpv'qh'cp" gzkukpi 'cpnly kj 'c'pgy 'lpf wutkenly cun'cpnly kj 'y g'uco g'f guk p'ucpf ctf u'cpf 'qr gtcvkp" ecr cels{0Vj g'r tqlgev'ku'hqecvgf 'cv'5372'GcuV'Rleq'Dqwgxctf "qp'j g'uqwj y guv'eqtpgt'qh'GcuV'Rleq" Dqwgxctf 'cpf 'Uqwj 'Gj tc'Utggv'y kj lp'j g'Eks{ 'qh'Nqu'Cpi gngu" " " Eqo o gpv'Rgtlqf <'P IC" Rwdrie'J gctkpi <'P IC"	Rgto k' O qf h'ecvkp"	Fgr ctvo gpv'qh' Vqzle'Uwduncpegu" Eqpvtqn'	Fqewo gpv' t'xlg'y gf '"/" P q" eqo o gpw' ugpv'
<b>Waste and Water-related"</b> <b>LAC190620-05"</b> Y gniP q044'Eqpwtwevkp"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputwevkp'qh'c'o wplekr cn'uwr r n' 'y cvgt'y gni'y kj 'c'h'qy 'tcvg" dgy ggp'4.222'cpf '5.222'i cnpup'r gt'o l'pwg0Vj g'r tqlgev'y kn'cnuq'lp'cnf g'f t'knkpi 'cpf 'ecukpi 'q'c" o czko wo 'f gr yj 'qh'3.822'hggv'dgny 'i tqwpf 'uwt'ceg0Vj g'r tqlgev'ku'hqecvgf 'qp'j g'uqwj gcuV' eqtpgt'qh'Uqwj 'Utggv'cpf '72j 'Utggv0' " " Eqo o gpv'Rgtlqf <8B; 423; /"9B8 423; " Rwdrie'J gctkpi <'9B8 423; "	P gi cvkxg" F gerntcvkq"	Ek{ 'qh'Xgtppq"	Fqewo gpv' t'xlg'y gf '"/" P q" eqo o gpw' ugpv'
<b>Waste and Water-related"</b> <b>ORC190618-01"</b> Fqj gp{ 'Qegcp'F gucn'pckv'p'Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputwevkp'qh'q'egcp'y cvgt'f gucn'pckv'p'h'ekks{ 'y kj 'wr 'q'37" o knkq'p' cnpup'r gt'f c{ 'qh'r q'cdrg'f t'knkpi 'y cvgt0Vj g'r tqlgev'y qwf 'cnuq'lp'cnf g'eqputwevkp'qh' uwdwt'ceg'y cvgt'lp'cnf'u' ugo . 'q'egcp'y cvgt'eqpxg{ cpeg'r kr gnp'g. 'eqpegp'tcvg' *dt'kp'g+f kur qucn' u{ ugo . 'r tqf wev'y cvgt'uatci g'cpn'icpf 'f kntldwkp'u' ugo . 'cpf 'qh'hukg'grgvt'ecn'itcpuo knkq" h'ekks{gu0Vj g'r tqlgev'ku'hqecvgf "qp'j g'pqtj y guv'eqtpgt'qh'Eco kpq'Ecr kntcpq'cpf 'EqcuV' J ki j y c{ 'lp'j g'Eks{ 'qh'F cpc'Rqlp0' Tghgtgpeg'QTE3: 2827/38.'QTE3: 2745/24.'QTE39333: /28.'cpf "QTE382537/23" " " Eqo o gpv'Rgtlqf <'P IC" Rwdrie'J gctkpi <'849 423; "	Hlpcn' Gpxktqpo gpvcn' K0 r cev'Tgr qtv'	Uqwj 'EqcuV'Y cvgt" F kntlev"	Fqewo gpv' t'xlg'y gf '"/" P q" eqo o gpw' ugpv'

%/'Rtqlgev'j cu'r q'p'v'cn'gpxktqpo gpvcn'lwnteg'eqpegtpu'f w'g'q'j g'p'cw'g'cpf k't 'h'ecvkp'qh'j g'r tqlgev0'  
Fqewo gpw'tegxgf "d{ 'j g'EGS C'lpvgti qxgtpo gpvcn'Tg'xgy 'r tqi tco 'd'w'p'q'v'ts w'k'lp' 't'xlg'y 'ctg'p'q'v'lp'cnf gf 'lp'j k'u'tgr qtv0'



**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG"**  
**June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLG E V'F GUET R RV IQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Waste and Water-related</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f go qrikakp'cpf 'f geqo o kuukap'pi 'qh'ugxgp'gzv'cev'kp'y gnu'c'p'f "	P qv'eg'qh'f'p'v'p'v' vq'Cf qr v'c' "	Qtcp' g'E'qwp'v' " Y cvgt'F'k'nt'lev' "	Uqwj 'Eqcu' CS O F 'u'ch' eqo o gp'v'g' " qp' 9151423; "
<b>ORC190619-03"</b> Vcndgtv'Gzvtcev'kp'Y gni' F geqo o kuukap'pi 'Rtqlgev'	cuuqek'v'g'f 'r k' g'p'gu' 'c'p'f 'eqp'ut'v'ev'kp'qh'q'p'g' 'o q'p'k'q't'k'p' 'y gnu'Vj g'r tqlgev'ku'q'ec'v'g'f 'lp'x'ct'k'wu' q'ec'v'kp'u'c'np'p' 'C'f co u'C'x'g'p'w'g'c'p'f 'f'p'f'k'p'c'r'q'ri'k' 'C'x'g'p'w'g'p'g'c't' 'O'ci p'q'ri'c' 'U'it'g'g'v'c'p'f 'p'g'c't' 'y'j' g' 'p'v'g't'ug'ev'kp' 'qh'D'w'g't'g'g'h'F' t'k'x'g'c'p'f 'U'c'p'v'c' 'C'p'c' 'T'k'x'g't' 'y' k'j' l'p' 'y'j' g'E'k'f' 'q'h'J' w'p'k'p'p' v'q'p'D'g'c'ej' 0' "	O'k'k'i' c'v'g'f' " P'g'i' c'v'k'x'g' " F'g'ent'c'v'kp' "		
	<a href="#">j wr&lt;dy y y Q's o f 0 qx lf qeulf gh'w'n/uqwt'eg'legs c'leqo o gp'v'ngwtu1423; llw[ IQTE3; 283; /250 f'h'</a>			
	Eqo o gpv'Rgtlqf <81391423; /"91391423; "	Rwdnle"J' gct'k'p'i <": 1431423; "		
<b>Waste and Water-related</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqp'ut'v'ev'kp'qh'5.622'hp'g'c't' 'h'g'v'q'h'r' k'r g'p'k'p'gu'c'p'i' l'p'i' 'lp' 'f' k'co' g'v'g't' "	T'g'ur'q'p'ug'v'q' " Eqo o gpw' "	G'nu'k'p'q't'g'X'c'ng'{" O'w'p'le'k'r'c'ri'Y' c'v'g't' " F'k'nt'lev' "	F'q'ewo' gp'v' t'g'x'lg'y' g'f' /" P'q' " eqo o gpw' u'g'p'v' "
<b>RVC190605-01"</b> F'k'co' q'p'f' 'T'g'i' k'q'p'c'ri'U'gy' g't'N'k'h'U'c'v'k'p' " c'p'f' 'F'w'c'ri'H'q't'eg' 'O'c'k'p'u' "	h'q'o' "38'v'q'46'p'ej' g'u'0'Vj g'r tqlgev'ku'q'ec'v'g'f' 'q'p' 'y'j' g'p'q't'v'j' y' g'u'v'eq't'p'g't' 'q'h'F' k'co' q'p'f' 'F' t'k'x'g'c'p'f' " O'c'ri'c' 'T'q'c'f' 'y' k'j' l'p' 'y'j' g'E'k'f' 'q'h'N'c'ng'G'nu'k'p'q't'g'0' T'g'h'g't'g'p'eg' 'T'X'E3; 262; /34' "			
	Eqo o gpv'Rgtlqf <P'IC' "	Rwdnle"J' gct'k'p'i <'91471423; "		
<b>Utilities</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f'g'r' m'ego' gp'v'qh'582'y' q'q'f' 'r' q'ng'u'y' k'j' 'o' g'v'c'n'r' q'ng'u'c'p'f' "	P'q'v'eg'qh'f'p'v'p'v' vq'R't'g'r'c't'g'c'p' " G'p'x'k'q'p'o' g'p'v'c'ri' " C'u'g'u'o' g'p'v' " *t'g'eg'k'x'g'f' 'c'h'g't' " e'q'u'g' 'q'h' " eqo o gpw' "	W'p'k'g'f' "U'c'v'gu' " F'g'r'c't'v'o' g'p'v'q'h' " C'i' t'k'ew'w't'g' "	F'q'ewo' gp'v' t'g'x'lg'y' g'f' /" P'q' " eqo o gpw' u'g'p'v' "
<b>ODP190625-07"</b> F'q'd'rg'55n'X'F' k'u't'k'd'w'k'p' "N'k'p'g' "T'g'd'w'k'f' " R't'q'l'g'ev' "	eqp'ut'v'ev'kp'qh'c' "37/o' k'g' "55/n'k'q'x'q'n'g'r'g'ev't'ec'n'r' q'y' g't' 'f' k'u't'k'd'w'k'p' 'h'p'g'0'Vj g'r tqlgev'ku'q'ec'v'g'f' " d'g'v' g'g'p' 'y'j' g'E'q'w'q'p'y' q'q'f' "u'd'w'c'v'k'p' 'v'q' 'y'j' g'p'q't'v'j' "c'p'f' 'y'j' g'I' q'r'f' "J' k'u'l'u'd'w'c'v'k'p' 'v'q' 'y'j' g' "u'q'w'j' . 'lp' " y'j' g'U'c'p' 'D'g't'p'c't'f' l'p'q' 'P' c'v'k'p'c'ri'H'q't'g'u'0' "			
	Eqo o gpv'Rgtlqf <71421423; /"81421423; "	Rwdnle"J' gct'k'p'i <'P'IC' "		
<b>Transportation</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqp'ut'v'ev'kp'qh'c'p'3: /o' k'g' 'd'w'u't'c'r' k'f' "t'c'p'uk' 'h'p'g'c'p'f' "3: "v'q'43' " u'v'c'v'k'p'u' h'q'o' 'y'j' g'eqo o w'p'k'f' 'q'h'P'q't'v'j' "J' q'm'f' y' q'q'f' 'lp' 'y'j' g'E'k'f' 'q'h'N'q'u' 'C'p'i' g'rg'u' 'v'q' 'y'j' g'E'k'f' 'q'h' " R'c'uc'f' g'p'c'0'Vj g'r tqlgev'ku'f' g'p'g't'c'm'f' 'q'ec'v'g'f' 'c'np'p' 'U'c'v'g' 'T'q'w'g'356'c'p'f' 't'c'x'g't'ug'u' 'y'j' t'q'w'i'j' "y'j' g' 'e'k'k'g'u' " q'h'N'q'u' 'C'p'i' g'rg'u' 'D'w'd'c'p'm' 'I' r'ep'f'c'rg' 'c'p'f' 'R'c'uc'f' g'p'c'0' "	P'q'v'eg'qh'f' R't'g'r'c't'c'v'k'p' "	N'q'u' 'C'p'i' g'rg'u' " E'q'w'p'v' " O'g't'q'r' q'r'k'c'p' " V't'c'p'ur' q't'c'v'k'p' " C'w'j' q't'k'f' " "	Uqwj 'Eqcu' CS O F 'u'ch' eqo o gp'v'g' " qp' 91; 1423; "
<b>LAC190619-01"</b> P'q't'v'j' "J' q'm'f' y' q'q'f' 'v'q' 'R'c'uc'f' g'p'c' 'D'w'u' " T'c'r' k'f' "V't'c'p'uk' 'E'q't't'k'f' q't' 'R't'q'l'g'ev' "	<a href="#">j wr&lt;dy y y Q's o f 0 qx lf qeulf gh'w'n/uqwt'eg'legs c'leqo o gp'v'ngwtu1423; llw[ INCE3; 283; /230 f'h'</a>			
	Eqo o gpv'Rgtlqf <81391423; /"91531423; "	Rwdnle"J' gct'k'p'i <'91391423; "		

%/"Rtqlgev'j' cu'r q'v'p'v'c'n'g'p'x'k'q'p'o' g'p'v'c'ri'w'w'le'g'eq'p'eg't'p'u'f' w'g'v'q' 'y'j' g'p'c'w'g'c'p'f' k'q't' 'q'ec'v'k'p' 'qh' 'y'j' g'r tqlgev'0' F'q'ewo' g'p'w'it'g'eg'k'x'g'f' 'd'f' 'y'j' g'EGS'C' 'p'v'g't'i' q'x'g't'p'o' g'p'v'c'ri'T'g'x'lg'y' 'r' t'q'i' t'co' "d'w'p'q'v't'g's' w'k'k'p'i' 't'g'x'lg'y' "c't'g'p'q'v'k'p'en'f' g'f' 'lp' 'y'j' k'u't'g'r' q't'v'0'

**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG**  
**June 1, 2019 to June 30, 2019**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>Transportation</b> <b>LAC190619-09</b> Uqyq'Utggv'Tqcf y c{"Y kf gplpi 'Rtqlgev' hqo 'O wnpqo cj "Utggv'q'O kuukqp"Tqcf "	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'y kf gplpi 'qh'Uqyq'Utggv'hqo 'vj tgg'ncpgu'q'hqwt'ncpgu'cpf " eqpustwv'kqp'qh'4.722'hggv'qh'uxqto 'f tclp'ewxgtv'Vj g'r tqlgev'ku'hqecvgf "cnpqi 'Uqyq'Utggv'dgy ggp" O wnpqo cj "Utggv'cpf 'O kuukqp"Tqcf 'lp'yj g'eqo o wplv{"qh'Gn'Ugtgpq/Nlpeqrp"J gli j w/J kmkf g" Xknci g0' Tghgtgpeg"NCE3: 2925/32"	Tgur qpug'vq" Ego o gpw"	Ekv' 'qh'Nqu'Cpi grgu'	Fqewo gpv' txxlgy gf "/" Pq" eqo o gpw" ugpv"
"	"			
"	"			
	Ego o gpv'Rgtkqf <'P IC"	Rwdrie"J gctkpi <'P IC"		
<b>Transportation</b> <b>ORC190606-03</b> Ucvg'Tqwg'96'Nqy gt'Qtvgi c"J ki j y c{" Y kf gplpi 'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'y kf gplpi 'qh'c'30/o kg'ugi o gpv'qh'Ucvg'Tqwg'96'hqo "y q" ncpgu'q'hqwt'ncpgu'qh'34'hggv'lp'y kf yj 'lp'gcej 'f kgevkp0'Vj g'r tqlgev'ku'hqecvgf 'hqo 'Ecng" Gpvcf gtq'JRquv'O kg'"RO +302_'q'Tgcv'Tqcf '"RO"30 +pgct'yj g'dqwpf ctkgu'qh'yj g'Ekv' 'qh'Ucp" Lwcp'Ecr kwtcpq'cpf "wplpeqtr qtcvgf "ctgu'qh'Qtcpj g'Eqwpv'0'	P qvleg'qh" Cxckndkx{"qh'cp" Gpxkqpo gpvci' Cuuguo gpv'	Ecrkhtpke" Fgr ctvo gpv'qh' Vtcur qtvcvkp"	Fqewo gpv' txxlgy gf "/" Pq" eqo o gpw" ugpv"
"	"			
	Ego o gpv'Rgtkqf <815423; "/"9139423; "	Rwdrie"J gctkpi <8147423; "		
<b>Transportation</b> <b>RVC190613-04</b> Ucvg'Tqwg'96"Y kf gp'Ncpgu."Cff" Uj qwf gtu."cpf "Two dng'Utkr u'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'y kf gplpi 'qh'gzkukpi 'ncpgu'q'34'hggv'cpf "qwuuf g'uj qwf gtu'q" hqwt'hggv'cpf "eqpustwv'kqp'qh'c'o gf kcp'qh'y q'hggv'lp'y kf yj 'cpf "uj qwf gt'i tqwpf /lp'two dng'utkr u" qh'qpg'hggv'lp'y kf yj "qp'c'ukz/o kg'ugi o gpv'qh'Ucvg'Tqwg'96'hqo "yj g'Qtcpj g'Eqwpv' 'Nlp g'JRquv' O kg'"RO +202_'q'O qpvg'Xknc'Utggv'"RO"70 +pgct'yj g'Ekv' 'qh'Ncng'Gnukqt g'lp'Tkxgtukf g" Eqwpv'0' Tghgtgpeg"TXE3; 2627/23"	Tgur qpug'vq" Ego o gpw"	Ecrkhtpke" Fgr ctvo gpv'qh' Vtcur qtvcvkp"	Fqewo gpv' txxlgy gf "/" Pq" eqo o gpw" ugpv"
"	"			
	Ego o gpv'Rgtkqf <'P IC"	Rwdrie"J gctkpi <'P IC"		
<b>Transportation</b> <b>SBC190625-01</b> Y guv'Xcng{"Eqppgevqt'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'c'57/o kg'dwu'tcr kf "tcpuks'eqttkf qt'y kj '82'ucv'kqp'r ncvtqto u'cv' 55'hqecvkpu'tcxgtukpi 'yj tqwi j 'yj g'ekkgu'qh'Rqo qpc."O qpvcnk."Qpvcitq."Tcpej q'Eweco qpi c." cpf "Hqvpcc0' Tghgtgpeg"UDE382547/24"	P qvleg'qh" Cxckndkx{"qh'c" F tch' Gpxkqpo gpvci' K0 r cev' Tgr qtv'Gpxkqpo g pvcitCuuguo gpv'	Ucp'Dgtpectf kpp" Eqwpv' " Vtcur qtvcvkp" Cwj qtkv' "	Fqewo gpv' txxlgy gf "/" Pq" eqo o gpw" ugpv"
"	"			
"	"			
"	"			
	Ego o gpv'Rgtkqf <8146423; "/"1: 1423; "	Rwdrie"J gctkpi <9139423; "		

%/"Rtqlgev'j cu'r qpvcit'gpxkqpo gpvcit'wuleg'eqpegtpu'f vg'v'q' yj g'bcwt g'cpf kq' hqecvkp'qh'yj g'r tqlgev'0' Fqewo gpw'tgegkxgf "d{" yj g'EGS C'kvgti qxgtpo gpvcit'Txxlgy 'r tqi tco "dw'pqv'tgs wtklpi 'txxlgv "ctg'pqv'kpenf gf 'lp'yj ku'tgr qtr0'

**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG"**  
**June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	Vl RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
<b>Institutional (schools, government, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwekqp'qh'c'98.5; 2/us wctg/hqqv'dwrf lpi 'y kj '46" erc uutqgo u'q'ceeqo o qf cvg'822'uwf gpw'qp'3087"cetgu0Vj g'r tqlgev'ku'hqecvgf "qp'yj g'uqwj y guv' eqtpgt'qh'Y guv'3uv'Utggv'cpf "Uqwj 'O cf kuqp'Cxgpwgo'	O kki cvgf " P gi cwxg" F gerctcvkqp"	Nqu'Cpi grgu" Wplkgf "Uej qqrn' F kntlev"	Uqwj 'Eqcuw' CS O F 'uwh' eqo o gpwgf " qp" 915423; "
<b>LAC190607-04"</b> Tlug'Mkj {cpi 'J ki j 'Uej qqrn'	<a href="#">j wr &lt; dly y y Qs o f Q qx lf qeul f gh cwn/uqwt eg legsc leqo o gpv'ngwtu423; llwnl INCE3; 2829/260 f h"</a> " Ego o gpv'Rgtkqf <8132423; /"9132423; " Rwdrlc"J gctkpi <8139423; "			
<b>Retail"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwekqp'qh'c'55.472/us wctg/hqqv'tgckldwrf lpi 'qp'404" cetgu0Vj g'r tqlgev'ku'hqecvgf "qp'yj g'pqt yj gcuveqtpgt'qh'Dq{ng'Dqwgxctf "cpf "Urcwupp" Cxgpwgo'	O kki cvgf " P gi cwxg" F gerctcvkqp"	Ekv' "qh'Xgtpqp"	Fqewo gpv' txxlgy gf /" P q" eqo o gpw" ugpv"
<b>LAC190611-04"</b> Xgtpqp'Rrc  c"	" " " "			
<b>Retail"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwekqp'qh'c'95.662/us wctg/hqqv'j qvgn'y kj '462'tqgo u'y kj " uwdgtt cpgcp'r ctnkpi 'qp'204: 'cetgu0Vj g'r tqlgev'ku'hqecvgf "cv'393: 'P qt yj 'Xkpg'Utggv'qp'yj g" pqt yj gcuveqtpgt'qh'Xkpg'Utggv'cpf 'J qm'y qqf 'Dqwgxctf "lp'yj g'eqo o wplk' 'qh'J qm'y qqf 0' Tghgtgpeg"NCE383227/24"	F tch" Gpxktqpo gpvcn' K6 rcevTgr qtv'	Ekv' "qh'Nqu'Cpi grgu'	Fqewo gpv' txxlgy gf /" P q" eqo o gpw" ugpv"
<b>LAC190613-05"</b> ekkl gpO "J qm'y qqf "( 'Xkpg"	" " Ego o gpv'Rgtkqf <8135423; /"": 14; 423; " Rwdrlc"J gctkpi <2P IC"			
<b>Retail"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f go qrkxqp'qh'cp'gzkukpi '77.762/us wctg/hqqv'utwewt g'cpf " eqputwekqp'qh'c'72.; 93/us wctg/hqqv'tgckrlcpf "cwqo qdkg'ugtxleg'dwrf lpi 'qp'60 "cetgu0Vj g" r tqlgev'ku'hqecvgf "cv'3497'DtkuqnUtggv'pgct'yj g'pqt yj y guveqtpgt'qh'DtkuqnUtggv'cpf "Tgf "J km' Cxgpwgo'	O kki cvgf " P gi cwxg" F gerctcvkqp"	Ekv' "qh'Equnc'O guc"	Uqwj 'Eqcuw' CS O F 'uwh' eqo o gpwgf " qp" 9134423; "
<b>LAC190625-06"</b> Hrgej gt 'Lqpgu'Cwf KCwqo qvkg" F gcrgtuj k "Rrcppkpi 'Crr rkecvkqp"/"3; /" 32+" <a href="#">j wr &lt; dly y y Qs o f Q qx lf qeul f gh cwn/uqwt eg legsc leqo o gpv'ngwtu423; llwnl INCE3; 2847/280 f h"</a> " Ego o gpv'Rgtkqf <8147423; /"9137423; " Rwdrlc"J gctkpi <: 134423; "				

%/"Rtqlgev'j cu'r qvpxkri'gpxktqpo gpvcn'lwneq'eqpegtpu'f wg'v'q'yj g'bcwt g'cpf kqt'eqecv'qp'qh'yj g'r tqlgev' Fqewo gpw'tgeglxgf "d{ 'y g'EGS C'pvgti qxgtpo gpvcn'Tgxlgy 'r tqi tco 'dw'pqv'tgs wklpi 'txxlgy 'ctg'pqv'kpenf gf 'lp'yj ku'tgr qtr0'

**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUCS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Retail"</b> <b>SBC190606-05"</b> Tlxgtukf g'("Tcpf cmiI cu'Ucvkqp"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qhi'eqputwekqp"qh'c"9.472/us wctg/hqqv'eqpxgplgpeg'uvqtg."c"3.972/"us wctg/hqqv'ect'y cuj "ugt xleg."c"3.: 22/us wctg/hqqv'tgucwcpv"cpf "c'i cuqrlpg'ugt xleg'ucv'kqp'y kj "32'r wo r u."c"7.822/us wctg/hqqv'hwgkpi "ecpqr { "qp"4029"cetgu0Vj g'r tqlgev'ku'hqecvgf "qp"y g"uqwj y guv'eqtpgt "qh'Tlxgtukf g'Cxgpwg"cpf "Tcpf cmiC'xgpwg0' Tghgtgpeg'UDE3; 2743/34" " "Eqo o gpv'Rgtlkf <"P IC"Rwdrie"J gctkpi <"P IC"	Tgur qpug"q" Eqo o gpw"	Ek{ "qh'Tlcnq"	Fqewo gpv' txxlgy gf "/" P q" eqo o gpw" ugpv"
<b>Retail"</b> <b>SBC190607-02"</b> Ucpvc'Cpc'("Tlxgtukf g'/"Dg{ qpf 'I cu' Ucvkqp'Rtqlgev'O E423: /2257"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qhi'eqputwekqp"qh'c"9.472/us wctg/hqqv'eqpxgplgpeg'uvqtg."c"7.462/"us wctg/hqqv'ecpqr { ."cpf "3; "hwgkpiurpf u'y kj "57'i cuqrlpg'r wo r u'cpf "y tgg'i kgugri' wo r u'qp"4028" cetgu0Vj g'r tqlgev'ku'hqecvgf "qp"y g'uqwj gcu'eqtpgt "qh'Gcu'Ucpvc'Cpc'Cxgpwg"cpf "Uqwj "Tlxgtukf g'Cxgpwg0' <a href="#">j wr &lt;dy y y Qs o f l q x l f qeul f ghcwn/uqwtglegs c leqo o gpv'ngwtu423; llwpg lUDE3; 2829/240 f h'</a> "Eqo o gpv'Rgtlkf <818423; "/"8148423; "Rwdrie"J gctkpi <"P IC"	O kki cvgf " P gi cvkxg" F gerntcvkqp"	Ek{ "qh'Tlcnq"	Uqwj "Eqcu" CS O F 'uwh' eqo o gpwgf " qp" 813: 423; "
<b>Retail"</b> <b>SBC190614-02"</b> 3322"Hqqv' kmDqwgxctf "Eqo o gtekri' Fgxgrqr o gpv'Rtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qhi'eqputwekqp"qh'c"6.622/us wctg/hqqv'eqpxgplgpeg'uvqtg."c"3.4; 8/"us wctg/hqqv'cwqo cvgf "ect'y cuj ."c"3.: 22/us wctg/hqqv'tgckd'uj qr ."c"6.822/us wctg/hqqv'ecpqr { ."cpf "c'i cuqrlpg'ugt xleg'ucv'kqp'y kj "34'r wo r u'qp"3083"cetgu0Vj g'r tqlgev'ku'hqecvgf "qp"y g'pqt'y y guv' eqtpgt "qh'Hqqv' kmDqwgxctf "cpf "rteje "Cxgpwg0' <a href="#">j wr &lt;dy y y Qs o f l q x l f qeul f ghcwn/uqwtglegs c leqo o gpv'ngwtu423; llwpg lUDE3; 2836/240 f h'</a> "Eqo o gpv'Rgtlkf <8134423; "/"9134423; "Rwdrie"J gctkpi <"P IC"	O kki cvgf " P gi cvkxg" F gerntcvkqp"	Ek{ "qh'Tlcnq"	Uqwj "Eqcu" CS O F 'uwh' eqo o gpwgf " qp" 813: 423; "
<b>General Land Use (residential, etc.)"</b> <b>LAC190604-02"</b> Cpcj glo "Utggv'cpf "Y cnpw'Cxgpwg" Fgxgrqr o gpv"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qhi'eqputwekqp"qh'c"338.578/us wctg/hqqv'dwrl'kpi "y kj ": "tgukf gpv'kri'wpku."3.: 358'us wctg'lggv'qhi'o gf kcrn'wugu."4.486'us wctg'lggv'qhi'tgetgc'v'kpcn'wugu."cpf "4.522'us wctg'lggv'qhi'eqo o gtekri'wugu'qp"3076"cetgu0Vj g'r tqlgev'ku'hqecvgf "qp"y g'uqwj y guv' eqtpgt "qh'Y cnpw'Cxgpwg"cpf "Cpcj glo "Utggv0' " " "Eqo o gpv'Rgtlkf <7146423; "/"8146423; "Rwdrie"J gctkpi <"P IC"	P qvleg"qh'k'p'gvpv" vq"Cf qr v" O kki cvgf " P gi cvkxg" F gerntcvkqp"	Ek{ "qh'Nqpi 'Dgcej "	Fqewo gpv' txxlgy gf "/" P q" eqo o gpw" ugpv"

%/"Rtqlgev'j cu'r qv'p'kri'gpxktpo gpv'ri'wuleg'eqpegt'puf'wg"v'g'g'p'cw'g'cpf kq't'hqec'v'kqp'qh'v'g'r tqlgev0'  
Fqewo gpw'tgegkxgf "d{ "y g'EGS C'k'p'vgti qxgtpo gpv'ri'Tgxkgy "r tqi tco "dw'p'q'v'tgs wkl'kpi "t'xxlgy "ctg'p'q'v'k'p'w'f gf "lp"y ku't'gr qtr0'

**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'eqput wevqp'qh'c'463.976/us wctg/hqv'dwrf lpi 'y kj '3; 4'ugpqt "tgul' gpvkn'wpku'qp'4044'cetgu'Vj g'r tqlgev'ku'necev'gf 'pgct 'y g'uqwj gcuveqtpgt'qh'Y guv'Qn' o r le" Dqwgxctf "cpf 'Mgty qqf 'Cxgpwg'kp'j g'eqo o wpl'qh'Y guv'Nqu'Cpi grgu0'	P qv'eg'qh' Rtgr ctcv'qp"	Ek' 'qh'Nqu'Cpi grgu'	Uqwj 'Eqcu' CS O F 'wch' eqo o gp'v'f " qp" 9H423; "
<b>LAC190613-02"</b> Ugpkqt "Tgul' gpvkn'Eqo o wpl' "cv'Vj g" Dgny qqf "	<a href="#">j wr &lt;dy y y Qs o f Q qx lf qeul'f gh'wn/uqwtg'legs c leqo o gpv'ngwtu423; llw' INCE3; 2835/240 f h'</a> " Ego o gpv'Rgtlqf <8B4423; /"9B4423; " Rwdrie"J gctlpi <8H48423; "			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'eqput wevqp'qh'5: 't gul' gpvkn'wpku'q'v'c'pi ": 8.264'us wctg'tggv' qp'3079'cetgu'Vj g'r tqlgev'ku'necev'gf 'cv'3229'Gcu'Xlevqtlc'Utggv'qp'j g'pqt y y guveqtpgt'qh'Gcu' Xlevqtlc'Utggv'cpf 'Egf ctdnw'hi'Y c{0' Tghgtgpeg'NCE3; 2724/28"	T gur qpug'v'q" Ego o gpw"	Ek' 'qh'Ectupq"	Fqewo gpv' t'x'lg'y gf'/" P q" eqo o gpw" ugpv'
<b>LAC190613-03"</b> Dtcpf {y kpg'Tgul' gpvkn'Rtqlgev'	" Ego o gpv'Rgtlqf <P IC" Rwdrie"J gctlpi <P IC"			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'eqput wevqp'qh'j tgg'dwrf lpi u'y kj '46: 't gul' gpvkn'wpku'qp" c" 703/cetg'r qv'qp'qh'468: 'cetgu'Vj g'r tqlgev'y kn'cnu'lp'ew'f g'3: Q 9'cetgu'qh'qr gp'ur ceg'Vj g" r tqlgev'ku'necev'gf 'qp'j g'uqwj y guveqtpgt'qh'J cy y qtpg'Dqwgxctf "cpf 'Xlc'Xcm qp'v'g'0' Tghgtgpeg'NCE392: 23/27"	P qv'eg'qh' Cxcl'rd'k'k' 'qh'c' F tch' Gp'kt'qpo gpvkn' K6 r cev'Tgr qtv'	Ek' 'qh'Vqttcpeg"	Wpf gt" t'x'lg'y . 'b c { " uwdo k' y t'k'wp" eqo o gpw"
<b>LAC190619-10"</b> Dwej gt/Uqrp'c'Tgul' gpvkn' Fgxgr o gpv'Rtqlgev'	" Ego o gpv'Rgtlqf <8B; 423; /": B8423; " Rwdrie"J gctlpi <P IC"			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'eqput wevqp'qh'397't gul' gpvkn'wpku'cpf '45.887'us wctg'tggv'qh' tgetgc'v'qpcn'wgu'qp'gki j v'cetgu'Vj g'r tqlgev'ku'necev'gf 'qp'j g'pqt y y gcuveqtpgt'qh'Uqwj "Egp'v'cn' Cxgpwg'cpf 'Gcu'Xlevqtlc'Utggv'0' Tghgtgpeg'NCE3; 2344/28"	T gur qpug'v'q" Ego o gpw"	Ek' 'qh'Ectupq"	Fqewo gpv' t'x'lg'y gf'/" P q" eqo o gpw" ugpv'
<b>LAC190621-02"</b> Xlevqtlc'I tggpu"	" Ego o gpv'Rgtlqf <P IC" Rwdrie"J gctlpi <P IC"			

%/'Rtqlgev'j cu'r q'v'p'kn'g'p'x'k'qpo gpvkn'w'ne'g'eq'p'g't'p'u'f'w'g'v'q'j g'p'cw'g'c'p'f'k't'ne'c'v'qp'qh'j g'r tqlgev'0' Fqewo gpw't'g'eg'k'x'g'f'd{ 'j g'EGS C'p'v'gti qxgtpo gpvkn'T'g'x'lg'y 'r tqi tco "dw'p'q'v't'g's w'k'k'pi 't'g'x'lg'y 'c't'g'p'q'v'lp'ew'f'gf' 'lp'j ku't'gr qtr0'

**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R' P WO DGT "	RT QLGE V'F GUET RRVKQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>General Land Use (residential, etc.)"</b> <b>ORC190604-04"</b> Qpg'O gwtq'Y guv'Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrkakp'qh'gz knkpi 'ut wewt gu'cpf 'eqpust wewkqp'qh'3.279" tgukf gpvkn'wpku'47.222'us wctg'ggv'qh'eqo o gtekn'wugu.'cpf '8.222'us wctg'ggv'qh'tgckn'wugu'qp" 3708'cetgu0Vj g'r tqlgev'y kn'cnuq'lpemf g'30'cetgu'qh'qr gp'ur ceg0Vj g'r tqlgev'ku'qecv'f'cv'38: 5" Uwphty gt'Cxgpwg'qp'yj g'uqwj gcu'eqtpgt'qh'Uwphty gt'Cxgpwg'cpf 'Ecf krc'Cxgpwg0' <a href="#">jwr&lt;dy y y Qso f fl qx lf qeulf ghcnw/uqwtglegs c leqo o gpvngwtu423; llwplQTE3; 2826/260 f h'</a> " Ego o gpvRgtkqf <745 423; /"843 423; " Rwdrie"J gctkpi <817 423; "	P qvleg'qh' Rtgr ctevkqp"	Ekw'qh'Equw'O guc"	Uqwj 'Eqcu' CS O F 'wch' eqo o gpw'f" qp" 813 423; "
<b>General Land Use (residential, etc.)"</b> <b>ORC190619-02"</b> Xlc'Vgttcecn'g'RCrppkpi 'Crr r necvkqp" P q0RC"3; /2232+" "	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrkakp'qh'qpg'gz knkpi 'tgukf gpvkn'ut wewt g'cpf 'eqpust wewkqp' qh'uk' tgukf gpvkn'wpku'qp'3808'cetgu0Vj g'r tqlgev'ku'qecv'f'cv'4"Xlc'Vgttcecn'g'qp'yj g'pqt y y guv' eqtpgt'qh'Eqv'F g'Ec' c'F tkxg'cpf 'Xlc'Vgttcecn'g'lp'yj g'eqo o wplk'qh'Eqv'F g'Ec' c0' <a href="#">jwr&lt;dy y y Qso f fl qx lf qeulf ghcnw/uqwtglegs c leqo o gpvngwtu423; llwplQTE3; 283; /240 f h'</a> " Ego o gpvRgtkqf <813 423; /"913 423; " Rwdrie"J gctkpi <813: 423; "	P qvleg'qh' Rtgr ctevkqp"	Qtcp'g'Eqwp' " F gr ctvo gpv'qh' Rwdrie"Y qtm"	Uqwj 'Eqcu' CS O F 'wch' eqo o gpw'f" qp" 914 423; "
<b>General Land Use (residential, etc.)"</b> <b>RVC190604-03"</b> Ej cpi g'qh' qp'P q0423: /46: "cpf" Xgukpi 'Vtcev'O cr 'P q0423: /46: "VO" P q059798+" "	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqpust wewkqp'qh'87'tgukf gpvkn'wpku'qp'39'cetgu0Vj g'r tqlgev'ku' qecv'f'qp'yj g'uqwj gcu'eqtpgt'qh'J qmcp' 'Tqcf' 'cpf' 'Dtcf ng' 'Tqcf 0' Tghgtgpeg'TXE3: 3233/26" " " " " Ego o gpvRgtkqf <7153 423; /"842 423; " Rwdrie"J gctkpi <P IC"	P qvleg'qh'k'p'v'p' v' 'Cf qr v'c" O kki cv'f" P gi cv'xg" F gen'c'vkqp"	Ekw'qh'O gpl'gg"	F qewo gpv' t'x'ly gf'/" P q" eqo o gpw' u'gpv"
<b>General Land Use (residential, etc.)"</b> <b>RVC190606-02"</b> P lej qni'Tcpej 'Ur gekle'Rcp'RCrppkpi " Crr r necvkqp'P q04239/4; 'cpf' 'Ur gekle' Rcp'P q0423: /23+" "	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqpust wewkqp'qh'38: 'tgukf gpvkn'wpku.'c'j qvgn'y kj '352'tqo u." 6: .222'us wctg'ggv'qh'tgucw'cpw'34.622'us wctg'ggv'qh'tgckn'wugu.'65.222'us wctg'ggv'qh'q'ht'eg" wugu.'6'cetgu'qh'tget g'ckp'pcn'wugu.'70'cetgu'qh't'cl'pci g'dculp.'70'cetgu'qh'tqcf y c'f'u.'308'cetgu' qh'qr gp'ur ceg.'cpf 'c'i cuqr'p'g'ug'x'leg'ucv'kqp'y kj '38'hwgkpi 'r wo r u'qp'940'cetgu0Vj g'r tqlgev'ku' qecv'f'qp'yj g'uqwj y guv'eqtpgt'qh'P lej qni'Tqcf' 'cpf' 'Gn'Vqtq'Tqcf 0' Tghgtgpeg'TXE3; 2543/26'cpf' 'TXE3: 2747/23" " " Ego o gpvRgtkqf <P IC" Rwdrie"J gctkpi <P IC"	H'pcn' Gp'x'k'qpo gpv'cn' K6 r cev'T gr qtv'	Ekw'qh'Ncng" Gnu'pqtg"	F qewo gpv' t'x'ly gf'/" P q" eqo o gpw' u'gpv"

%/'Rtqlgev'j cu'r qv'p'kn'g'p'x'k'qpo gpv'cn'w'leg'eqp'g'tp'f'wg'v'q'yj g'p'cw'g'cpf' k'q' t'qec'vkqp'qh'yj g'r tqlgev'0' F qewo gpw' t'g'eg'x'g'f' 'd'f' 'y' g'EGS C'f'p'v'gti q'x'g'tpo gpv'cn'T'g'x'ly 'r' t'q' t'co 'd'w'p'q'v't'g's w'k'k'p' i'g'x'ly 'c't'g'p'q'v'lp'em'f'g'f' 'lp'yj ku't'gr q't'v0'

**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUM'CS O F 'NQI /R'P W O DGT"	RTQLGEV'F GUET'RVIQP "	V\ RG'QH' F QE0'	NGCF 'CI GPE[ "	E QO O GP V" UVC VWU"
General Land Use (residential, etc.)"	Vj g'r tqr qugf "r tq lgev'eqpuku'u'qh'eqpuxwewkp'qh'; 2't gukf gpvkn'wpku'qp'3: 05: "cetgu0Vj g'r tq lgev' ku'hqecvgf "qp'yj g'y guv'cpf "gcu'ukf gu'qh'Y qqf "Tqcf 'dgy ggp'Nwtlp'Cxgpgw'cpf 'P gy uqo "Tqcf 0'	P qvkcg"qh'kpv'qv'vq'v'e" O kki cvgf " P gi cvkg" F gerctcvkp"	EkM' "qh'Tkxgtuf g"	F qewo gpn' tgxky gf "/" P q" eqo o gpw' ugpn"
RVC190606-07"	" " Rcpplpi 'Ecugu'R3: /2: 58"%RTF + "R3: /" " 2: 62"%VO + "R3: /2: 63"%F T + "cpf "R3: /" " 2: 64"%XT + " " Ego o gpv'Rgtlqf <7 I53 I423; /""8B; I423; " Rwdrie'J gctlpi <'P IC"			
General Land Use (residential, etc.)"	Vj g'r tqr qugf "r tq lgev'eqpuku'u'qh'uwdf kxkukap'qh'37" cetgu'ht' hwwt g'f gxgnrq o gpv'qh'37" t gukf gpvkn' wpku'cpf "yj tgg'bpq/t gukf gpvkn'iw0Vj g'r tq lgev'ku'hqecvgf "qp'yj g'uqwj gcuveqtptg'qh'Ucpxki q" Ecp{ qp'Tqcf "cpf "kpgtucvg'370' "	Ukg'Rrcp" *tgegkxgf 'chagt" erqug'qh' eqo o gpw+ "	Eqwpv' "qh'Tkxgtuf g'	Uqwj 'Eqcu' CS O F 'uchH' eqo o gpvgf " qp" 8B I423; "
RVC190606-09"	Ej cpi g'qh' \ qpq'P q09; 6; . 'I pggtcn'Rrcp" Co gpfo gpv'P q03446. "Vgpcvxg'Vtcev" O cr 'P q059376" " <a href="#">jwr&lt;ly y y Qso f0 qxlf qeulf ghrwn/uqwtglegsc leqo o gpvrgwgtu423; llwpgITXE3; 2828/2; 0fhA</a> "			
General Land Use (residential, etc.)"	Vj g'r tqr qugf "r tq lgev'eqpuku'u'qh'uwdf kxkukap'qh'4402: "cetgu'ht' hwwt g'f gxgnrq o gpv'qh'348" t gukf gpvkn'wpku'0Vj g'r tq lgev'ku'hqecvgf "pgct'yj g'uqwj gcuveqtptg'qh'Ej co r lqpu'F tkxg'cpf "Vwny gv" Ecp{ qp'Rctny c{ 0' "	Ukg'Rrcp"	EkM' "qh'Dgcwo qpv'	Uqwj 'Eqcu' CS O F 'uchH' eqo o gpvgf " qp" 8B: I423; "
RVC190607-03"	VO 423; /2228"%VVO 598; : + " <a href="#">jwr&lt;ly y y Qso f0 qxlf qeulf ghrwn/uqwtglegsc leqo o gpvrgwgtu423; llwpgITXE3; 2829/250fh</a> "			
General Land Use (residential, etc.)"	Vj g'r tqr qugf "r tq lgev'eqpuku'u'qh'uwdf kxkukap'qh'3508; "cetgu'ht' hwwt g'f gxgnrq o gpv'qh'95" t gukf gpvkn'wpku'0Vj g'r tq lgev'ku'hqecvgf "qp'yj g'pqty j guveqtptg'qh'Vwny gvEcp{ qp'Rctny c{ 'cpf " Ucp'Vlo qvgq'Ecp{ qp'Tqcf 0' "	Ukg'Rrcp"	EkM' "qh'Dgcwo qpv'	Uqwj 'Eqcu' CS O F 'uchH' eqo o gpvgf " qp" 8B: I423; "
RVC190607-05"	VO 423; /2229"%VVO 598; 9+ " <a href="#">jwr&lt;ly y y Qso f0 qxlf qeulf ghrwn/uqwtglegsc leqo o gpvrgwgtu423; llwpgITXE3; 2829/270fh</a> "			
	Ego o gpv'Rgtlqf <8 I6 I423; /""8 I49 I423; " Rwdrie'J gctlpi <'P IC"			

%/"RtqlgeVj cu'r qvqpvcln'gpxh'kpo gpcvrl'wunleg'eapegrpu'f'wg'k'q'j g'p'cw'g'c'p'f k't'q'ec'w'k'p'q'h'y g'r'tqlgeV'

Fqewo gpu'lt'ge'k'g'f'd'l'y'g'E'G'S'C'f'v'g't'q'x'g't'p'o gpcvrl'T'x'g'v'g'r't'q'i't'c'o 'd'w'p'q'v'f'g's'w'k'p'i'f'x'g'v'g'c't'g'p'q'v'k'p'w'f'g'f'k'p'y'k'u't'g'r'q't'v'o



**ATTACHMENT A1  
INCOMING CEQA DOCUMENTS LOG"  
June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUCS OF 'NQI /R'P WO DGT"	RTQIGEV'F GUETIRVQIP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVCVMU"
<b>General Land Use (residential, etc.)"</b> <b>RVC190607-06"</b> VO 423; /2227"VVO 598; 8+"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'uwdf kxkukqp'qh'35024'cetgu'ht'hwmg'f gxnqr o gpv'qh'84" tgukf gpv'kri'wpku0Vj g'r tqlgev'ku'qecv'gf 'qp'yj g'uqwj gcu'eqtpgt'qh'Ej co r kpu'F tkg'cpf 'Vwny gv' Ecp{qp'Rctny c{0' " <a href="#">j wr &lt;dy y y Qso f 0 qx lf qeulf gh'wn/uqwtglegs c leqo o gpv'ngwtu423; llwpgITXE3; 2829/280 f h'</a> " Eqo o gpv'Rgtkqf <816423; /"849423; " Rwdrie"J gctkpi <'P IC"	Ukg'Rncp"	Ekw' 'qh'Dgcwo qpv'	Uqwj 'Eqcu' CS O F 'lwch' eqo o gpv'gf " qp" 813: 423; "
<b>General Land Use (residential, etc.)"</b> <b>RVC190611-01"</b> Xkuc'F griCi wc'Ur gekhe'Rncp"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqpwtwekqp'qh'3.862'tgukf gpv'kri'wpku '4: 3.5; 9'us wctg'lgg'v'qh' eqo o gtekn'wugu.'c'350 /cetg'r ctm'340'cetgu'qh'r cugq'cpf 'tckn'wugu.'cpf '4; 'cetgu'qh'qh'ukg" kph'cwtwek'g'lo r tqxgo gpw'qp'526'cetgu0Vj g'r tqlgev'ku'qecv'gf 'qp'yj g'uqwj gcu'eqtpgt'qh'V{ngt" Utg'v'cpf 'Xkuc'F gri'Uwt0' Tghgtgpeg'TXE3: 2: 32/23."TXE3: 2834/27."cpf "TXE372525/28" " " Eqo o gpv'Rgtkqf <'P IC" Rwdrie"J gctkpi <'813; 423; "	Hkpcn' Gpxkqpo gpv'cn' K r cevTgr qtv'	Ekw' 'qh'Eqcej gmc"	Fqewo gpv' tglxy gf /" P q" eqo o gpw' ugpv'
<b>General Land Use (residential, etc.)"</b> <b>SBC190606-04"</b> Qtcp'g'Cxgpwg'Nwzt { 'Cr ctvo gpw' Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqpwtwekqp'qh'c'428.544/us wctg'hqv'dwrf kpi 'y kj '54: " tgukf gpv'kri'wpku'qp'430 6'cetgu0Vj g'r tqlgev'ku'qecv'gf 'qp'yj g'pqt'v' 'cpf 'uqwj 'ukf gu'qh'Qtcp'g" Cxgpwg'dgy ggp'Cmdeco c'Utg'v'cpf 'Kjy c'Utg'v'0' " <a href="#">j wr &lt;dy y y Qso f 0 qx lf qeulf gh'wn/uqwtglegs c leqo o gpv'ngwtu423; llwn lUDE3; 2828/260 f h'</a> " Eqo o gpv'Rgtkqf <817423; /"917423; " Rwdrie"J gctkpi <'P IC"	P qv'eg'qh'k'p'v'p'v' v' 'Cf qr v'c" O kki cvgf " P gi cv'kg" F ger'c'v'kqp"	Ekw' 'qh'Tgf rcpf u"	Uqwj 'Eqcu' CS O F 'lwch' eqo o gpv'gf " qp" 914423; "
<b>General Land Use (residential, etc.)"</b> <b>SBC190620-04"</b> Cngi tq'83/NqvTgukf gpv'kri'Uwdf kxkukqp"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrkukqp'qh'33.722'us wctg'lgg'v'qh'utwek'gu'cpf 'eqpwtwekqp" qh'83'tgukf gpv'kri'wpku'v'v'kpi '32; .: 22'us wctg'lgg'v'qp": Q 'cetgu0Vj g'r tqlgev'ku'qecv'gf 'qp'yj g" pqt'v' gcu'eqtpgt'qh'Cecekc'Cxgpwg'cpf 'Tcpf cniC'xgpwg0' " " " Eqo o gpv'Rgtkqf <842423; /"91; 423; " Rwdrie"J gctkpi <'P IC"	O kki cvgf " P gi cv'kg" F ger'c'v'kqp"	Ekw' 'qh'T'kncq"	Fqewo gpv' tglxy gf /" P q" eqo o gpw' ugpv'

%/'Rtqlgev'j cu'r qv'p'kri'gpxkqpo gpv'kri'w'eg'eqpwt'p'f'wg'v'g'v'j g'p'cw'g'c'p'f' k'q' 'qec'v'kqp'qh'yj g'r tqlgev'0'  
Fqewo gpw'tg'eg'x'gf' 'd{ 'y' g'EGS C' 'p'v'gti qxgtpo gpv'kri'Tglxy 'r tqi tco 'dw'p'q'v'ts w'k'k'pi 't'g'x'g'y 'c't'g'p'q'v'k'p'w'f'gf' 'k'p'yj k'u't'gr q't'v'0'



**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG**  
**June 1, 2019 to June 30, 2019**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLG E V'F GUET RRV IQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLG E V'VK/NG"				
<b>Plans and Regulations</b>  <b>LAC190611-03</b> O qpvtg{ 'RctnlHqewgf 'I gpgtcnRrcp' Wf f cvg"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'w f cvgu'v'j g'I gpgtcnRrcp'ncpf "wug"grgo gpv'v'q'tgo qxg'i tqy yj " eqpvtqnl' qplpi 'cpf' 'etgcvg'ncpf "wug'r qnlekgu'v'cwtece'geqpqo le'cpf 'j qwukpi 'f gxnqr o gpv'y kj 'c" r npplpi 'j qtk qp" { gct'qh'42620Vj g'r tqlgev'gpego r cuugu'6.492'cetgu'cpf 'ku'dqwpf gf 'd{ 'kpgtucvg' 32'v'j g'pqt yj . 'Ek{ 'qh'Tqugo gcf 'v'j g'gcuu'Ucvg'Tqwg'82'v'j g'uqwj . 'cpf 'kpgtucvg'932'v'j yj g'y gu0' Tghgtgpeg'NCE3; 2638/26" <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'rgwtu423; llwn INCE3; 2833/250 f h'</a> " Ego o gpv'Rgtkqf <8B2423; /"947423; " Rwdrlc'J gctkpi <P IC"	F tchl' Gpxktqpo gpvcn' K0 r cevTgr qtv'	Ek{ 'qh'O qpvtg{ " Rctnl'	Uqwj 'Eqcu' CS O F 'wchl' eqo o gpv'gf " qp" 947423; "
<b>Plans and Regulations</b>  <b>LAC190614-03</b> F qy pxy p'Dgnhgy gt 'Vtcpu'k'Qtlgpxgf " F gxnqr o gpv'Ur gekle'Rrcp' "I RC'3; /24:"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f gxnqr o gpv'qh'f guk p'ucpf ctf u'cpf 'co gp f o gpv'v'q'ncpf "wug" cpf 'l' qplpi 'f guk pcv'kpu'v'j v'k f g'cpf 'r tqo qvg'tcpu'k'uw r qt'v'k g'ncpf "wugu'qp'622'cetgu'Vj g' r tqlgev'ku'qecvgf "qp'v'j g'uqwj y guv'eqtpgt'qh'T gpf crlc'Uk'ggv'cpf "Y qqf twhl'Cxgpxw0' <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'rgwtu423; llwn INCE3; 2836/250 f h'</a> " Ego o gpv'Rgtkqf <8B5423; /"915423; " Rwdrlc'J gctkpi <9B7423; "	P gi cv'kxg" F ger'ctcv'kqp"	Ek{ 'qh'Dgnhgy gt "	Uqwj 'Eqcu' CS O F 'wchl' eqo o gpv'gf " qp" 947423; "
<b>Plans and Regulations</b>  <b>LAC190619-06</b> I gpgtcnRrcp'Ncpl "Wug'cpf 'Wdcp" F guk p'Grgo gpv'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f cvgu'v'j g'Ek{ 'u'I gpgtcnRrcp'Ncpl "Wug'Grgo gpv'cpf 'Wdcp" F guk p'Grgo gpv'v'j v'k f g'hw'wtg'f gxnqr o gpv'y kj 'c'r npplpi 'j qtk qp" { gct'qh'42620Vj g'r tqlgev' gpego r cuugu'72'us wctg'o kgu'cpf 'ku'dqwpf gf 'd{ 'Ucvg'Tqwg'; 3'v'j g'pqt yj . 'kpgtucvg'827'v'j g' g'cuu'Gcuu'Qegcp'Dqwgxctf 'v'j g'uqwj . 'cpf 'Ucvg'Tqwg'69'v'j g'y gu0' Tghgtgpeg'NCE382; 35/28'cpf "NCE37273; /26" " Ego o gpv'Rgtkqf <8B: 423; /"': B8423; " Rwdrlc'J gctkpi <P IC"	Tge'kw'v'v'g'f " F tchl' Gpxktqpo gpvcn' K0 r cevTgr qtv'	Ek{ 'qh'Napi 'Dgcej "	Wpf gt" t'x'kgy . 'o c{ " uwdo k' y tkwgp" eqo o gpv'u"
<b>Plans and Regulations</b>  <b>ORC190619-04</b> Rvgtu'Ecp{ qp'T gi kqpcn'Rctnl' /I gpgtcn' F gxnqr o gpv'Rrcp'cpf 'T guqwtg' O cpci go gpv'Rrcp"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f gxnqr o gpv'qh'f qnlekgu'cpf 'r tqi tco u'v'j v'k f g'hw'wtg'r ctnl' f gxnqr o gpv'cpf 't guqwtg' o cpci go gpv'Vj g'r tqlgev'y kn'icnu'k'p'cnf g'3: .222'us wctg'g'ggv'qh' lo r tqxgo gpv'v'j g'z'k'k'pi 't'cku'cpf 'c'p'ekmct { 'r ctnl'c'ek'k'kgu'qp'562'cetgu'Vj g'r tqlgev'ku'qecvgf "qp" yj g'uqwj y guv'eqtpgt'qh'Lo dqtgg'Tqcf 'cpf 'Ecp{ qp'Xlgy 'Cxgpxw'y kj kp'v'j g'ek'kgu'qh'Vwukp'cpf " Qtcpi g'cpf 'wp'k'eqtr qtcvgf 'ct'gcu'qh'Qtcpi g'E'qwpv'0' " Ego o gpv'Rgtkqf <8B9423; /"9B9423; " Rwdrlc'J gctkpi <': B2423; "	P q'v'eg'qh'k'p'v'p'v' v'q' Cf qr v'c" O k'k' cv'g' " P gi cv'kxg" F ger'ctcv'kqp"	Qtcpi g'E'qwpv' " F gr ctvo gpv'qh' Rwdrlc'Y qtnu"	F qewo gpv' t'x'kgy gf " P q" eqo o gpv'u' ugpv'

%/ 'Rtqlgev'j cu'r qv'p'v'cn'gpxktqpo gpvcn'lw'w'eg'eqpegt'pu'f w'g'v'j g'p'cw'g'cpf k'q' 'q'ec'v'k'p'qh'v'j g'r tqlgev'0'  
 F qewo gpv'u't'g'eg'k'g'f 'd{ 'j g'EGS C'k'p'v'gti qxgtpo gpvcn'T'g'kgy 'r tqi tco 'd'w'p'q'v't'g' w'k'k'pi 't'g'kgy 'ct'g'p'q'v'k'p'cnf gf 'kp'v'j ku't'gr qtr0'

**ATTACHMENT A1**  
**INCOMING CEQA DOCUMENTS LOG"**  
**June 1, 2019 to June 30, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVQ P "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Plans and Regulations"</b> <b>SBC190619-05"</b> Ucp'Dgtptcf lppq'Eqwpv{y kf g'Rcp"	Vj g'r tqr qugf 'r tqlgev'eqpukw'qh'f gxgrqr o gpv'qhi'c'eqwpv{y kf g'I gpgtcn'Rcp'y kj 'hqm" eqo r qpgpw<*3+'c'Eqwpv{ 'Rqre{ 'Rcp'q'f gxgrqr 'c'pgy 'r nppkpi 'r qre{ 'cpf 'cr r tqcej 'q'eqwpv{ " r nppkpi . '*4+'c'Ego o wpk{ 'Cevkpu'I wkf g'q'fcekkevg'lo r ngo gpvcvkp. '*5+'c'Eqwpv{ 'Dwulpguu" Rcp'q'qwrkpg'r qrekgu'cpf 'utcvgi kgu'hqt'r tqxkf lpi 'o wplekr ch'cpf 'tgi kqpcn'ugt xlegu'cpf '*6+'c" Tgi kqpcn'Kuugu'Hqtwo 'q'etgcvg'cp'qpnkpg'tguqweg'q'uj ctg'eqwpv{y kf g'lphtqo cvkqp0' Tghgtgpeg"UDE393239/25" " " Eqo o gpv'Rgtlkf <8B9423; /": B7423; " Rwdrie"J gctlpi <2P IC"	P qvleg'qh" Cxcckcdkx{ 'q" Cf qr v'c'Rtqi tco " Gpxktqpo gpvcn' K6 r cevTgr qt v'	Eqwpv{ 'qh'Ucp" Dgtptcf lppq"	Wpf gt" tqxlgy . 'o c{ " uwo k' y tkwgp" eqo o gpw"
<b>Plans and Regulations"</b> <b>SBC190625-04"</b> Dcmqv'kpkckv'xg'tg'Xqvg'tCrr tqxgf " Ncpf 'Wug'kpkckv'xgu'O gcuwtgu'W.P. " cpf 'Rtqr quklqp"T"	Vj g'r tqr qugf 'r tqlgev'eqpukw'qh'gzgo r vkpu'hqt" c"3.222/cetg'tcpuk'xkmi g'r nppkpi "ctgc'htqo " vj g'Ekw{u'I gpgtcn'Rcp'r tqxklqp'u' l qplpi . 'cpf 'r nppkpi 'tgs wktgo gpw'lp'ceeqtf cpeg'y kj 'vj g" xqvg't/crr tqxgf 'kpkckv'xgu0Vj g'r tqlgev'ku'hqecvgf "crrpi "Y guv'Tgf ncpf u'Dqwgxctf 'cpf 'ku'dqwpf gf " d{ 'Gcu'Eqnqp'Cxgpwg'q'vj g'pqt vj . 'Lwf uqp'Utggv'q'vj g'gcu'cpf 'Y guv'Hgtp'Cxgpwg'q'vj g" uqwj . 'cpf 'Cmdeo c'Utggv'q'vj g'y guv0' <a href="#">j wr &lt;ly y y Qso f 0 qx lf qeulf gh'wv/uqweg'legsc leqo o gpv'rgwtu423; llwrl lUDE3; 2847/260 f h'</a> " Eqo o gpv'Rgtlkf <8B; 423; /"9B; 423; " Rwdrie"J gctlpi <848423; "	P qvleg'qh" Rtgr ctcvkp"	Ekx{ 'qh'Tgf ncpf u"	Uqwj 'Eqcu' CS O F 'uwh' eqo o gpvgf " qp" 94; 423; "

%/'Rtqlgev'j cu'r qvpcn'gpxktqpo gpvcn'lwleg'eqpegtpu'f wg'q'vj g'bcwtg'cpf lqt'hqecvkp'qh'vj g'r tqlgev0'  
 Fqewo gpw'tgegkxgf "d{ 'vj g'EGS C'kpvgti qxgtpo gpvcn'Tgxky 'r tqi tco 'dw'pqv'tgs wklpi 'tqxlgy 'ctg'pqv'lpemf gf 'lp'vj ku'tgr qtr0'

**ATTACHMENT A2 "**  
**INCOMING CEQA DOCUMENTS LOG "**  
**July 1, 2019 to July 31, 2019 "**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT "	RT QLG EV'F GUET RRVQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU "
<b>Goods Movement</b>				
<b>LAC190705-04</b> Rlgt 'D'Qp/F qeniTckiUwr r qtv'Hekrk\ " Rtqlgev'	Vj ku'f qewo gpv'ku'r tgr ctgf 'r wuwpv'v'q'j g'P c\kqpcnGpxkqpo gpvniRqike{ 'Cev'ht'j'g'r tqr qugf " r tqlgev0Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'geqphki wcvkqp'cpf "gzr cpukqp'qh'j'g'Rlgt'D'Qp/F qeni' TckiUwr r qtv'Hekrk\ 'v'c'+cee go o qf cvg'gzr gev'f go cpf 'qh'ecti q'v'dg'o qxgf 'xlc'qp/f qeni' tckilp'q'j'g'htguggcdrg'hwwg="d'+o czko k'g'qp/f qenilpvgto qf cnj'cpf r'pi 'qh'52'v'57'r gtegpv'qh' ecti q'eqpvc\pgtu'd{ 'qp/f qenitckn="e'+ceegr v'cpf 'j' cpf rg'itupi gt'eqpvc\pgt'v'ckpu="cpf 'xf '+r tqxkf'g'c" tcki'ctf 'j' cv'ku'equv'gh'gevxg'cpf 'h'uecm\ 'r twf gpv'0Vj g'r tqlgev'ku'hqecv'f'qp'j'g'pqt'j' y guv'eqtpgt " qh'Kpvtucv'932'cpf 'Qegcp'Dqwgxctf 'lp'j'g'eqo o wplv\ 'qh'Y km lpi vqp/J ctdqt'Eks\0' Tghgtgpeg'NCE3: 2334/23.'NCE392349/23.'cpf 'NCE383438/28"	P qv'eg'qh'Kpvgp' v'q'Rtgr ctg'cp" Gpxkqpo gpvni' K r cev'Uc'vgo gpv'	Rqtv'qh'Nqpi 'Dgcej "	Fqewo gpv' t'x'k'g'y gf'/" P q" eqo o gpw' ugpv'
<b>Warehouse &amp; Distribution Centers</b>				
<b>LAC190711-03</b> Dtkf i g'Rqlpv'Uqwj 'Dc{ "K"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpvtwv'kqp'qh'c'425.: 99/us wctg/hq'v'y ctgj qwug'qp': 0 6'cetgu' Vj ku'r tqlgev'ku'hqecv'f'c'v'42: 72'P qto cpf lg'Cxgpwg'qp'j'g'uqwj gcu'eqtpgt'qh'P qto cpf lg' Cxgpwg'cpf 'Vqttcpeg'Dqwgxctf 'lp'j'g'eqo o wplv\ 'qh'Y guv'Ectuqpo' " <a href="#">j wr&lt;hly y y Qs o f Q x lf qeul f gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn\ INCE3; 2933/250 f h'</a> " Ego o gpv'Rgtkqf <9B3423; /"947423; " Rwdile"J gctkpi <P IC"	Uksg'Rrcp"	Eqwv\ 'qh'Nqu" Cpi grgu"	Uqwj 'Eqcuw' CS O F 'lwch' eqo o gpv'f' " qp" 9B34423; "
<b>Warehouse &amp; Distribution Centers</b>				
<b>SBC190702-13</b> Uqgttc'Cxgpwg'cpf 'Ecuc'I tcpf g'Cxgpwg' Y ctgj qwug'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpvtwv'kqp'qh'c'539.: 42/us wctg/hq'v'y ctgj qwug'qp'3808" cetgu'0Vj g'r tqlgev'ku'hqecv'f'qp'j'g'pqt'j' y guv'eqtpgt'qh'Ulgttc'Cxgpwg'cpf 'Ecuc'I tcpf g'F'tkxg'0' " <a href="#">j wr&lt;hly y y Qs o f Q x lf qeul f gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn\ IUDE3; 2924/350 f h'</a> " Ego o gpv'Rgtkqf <9I7423; /"": I7423; " Rwdile"J gctkpi <9I46423; "	P qv'eg'qh' Rtgr ctcv'kqp"	Eks\ 'qh'Hqpcpc"	Uqwj 'Eqcuw' CS O F 'lwch' eqo o gpv'f' " qp" 945423; "
<b>Airports</b>				
<b>LAC190716-03</b> Nqu'Cpi grgu'Kpvtgpcv'kqpcn'Cltr qtv' Tgegk\lpi 'Ucvkqp'SZ \$"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpvtwv'kqp'qh'c'6.: 22/us wctg/hq'v'dw'kf lpi 'cpf ": 8.422'us wctg' hggv'qh'qwf qqt'grgvt'ecr'igs vkr o gpv'wugu. 'lpucm'v'kqp'qh'htw'452'ht'qxqn'MX+'t'cpuo kuukqp'h'pgu' vq'v'kpi '332'h'pgct'hggv'lp'h'gpi vj . 'cpf 'y q'560'MX+'t'cpuo kuukqp'h'pgu'v'q'v'kpi '38.552'h'pgct' "hggv' lp'h'gpi vj 'qp'5.: 22'cetgu'0Vj g'r tqlgev'ku'hqecv'f'pqt'j' gcu'v'qh'j'g'X'kuc'f'grlO ct'cpf 'K r gt'kcn' J k'j' y c\ 'lp'vgtugev'kqp'0' Tghgtgpeg'NCE3: 2; 33/34" " Ego o gpv'Rgtkqf <P IC" Rwdile"J gctkpi <P IC"	Hkpf lpi 'qh'P q" Uki p'h'ecpv'K r cev'	Nqu'Cpi grgu'Y qtrf " Cltr qtvu"	Fqewo gpv' t'x'k'g'y gf'/" P q" eqo o gpw' ugpv'

\*Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received."

%/'Rtqlgev'j cu'r q'epv'cn'gpxkqpo gpvni'lw'leg'eqpegt'pu'f'v'g'v'q'j' g'p'cw'g'cpf k'q'ht'qecv'kqp'qh'j'g'r tqlgev'0 Fqewo gpw'ht'gegk'xgf'd{ 'j'g'EGS C'Kpvti qxgtpo gpvni'Tgxkgy 'r tqi tco "dw'p'qv't'gs w'k'k'p' 't'x'k'g'y 'ctg'p'qv'lp'ew'f'gf 'lp'j'g' ku't'gr qtr'0

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RV IQP "	V\ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Airports"</b>				
<b>SBC190703-08"</b> Gcui cvg'Ck'Ecti q'Hckrkv{"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputwexqp'qh'c'87: .722/us wctg/hqyv'y ctgj qwug.'czk'icpgu'cpf " cktetch'r ctnlpi "vq'lwrr qtv'36'cketch.'34'cetgu'qhf'i tqwpf 'lwrr qtv'gs wkr o gpv'qr gtcv'kpcrictgc.'cpf " wy q'o clpvgpcpeg'cpf 'ugt'xleg'dwrf lpi u'v'qcrnpi '72.222'us wctg'hggv'qp'323074'cetgu'0Vj g'r tqlgev'ku' nqecv'gf'qp'yj g'uqwj y guv'eqtptgt'qh'Rgtko gvg'Tqcf'cpf'J cpi ct'Y c{'y kj kp'yj g'Ekv'qh'Ucp" Dgtptctf kpq0' Tghgtgpeg'UDE3: 323: /23.'UDE3: 3239/24.'UDE3: 2: 26/25.'cpf "UDE3: 293: /26" " " " " Ego o gpv'Rgtlkf <94423; /": B; 423; " Rwdrie'J gctkpi <P IC"	F tch' Gpxktqpo gpv'cn' Cuuguo gpv'	Wpksf "Ucvgu" Hgf gtrciC'xkcv'qp" Cf o kplm'cv'qp"	Wpf gt' t'x'kgy . 'b c {" uwd o k' y tkwgp" eqo o gpv"
<b>Industrial and Commercial"</b>				
<b>LAC190702-03"</b> Ej cuuku'F gr qv'cpf 'Tgr ck'Hckrk'kgu" Nqecv'gf "cv'Dgt'yj u'428/42; "	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrk'kqp'qh'c'42.222'us wctg'hggv'qh'utwewt'gu'cpf 't'gpx'cv'qp'qh' wy q'dwrf lpi u'v'qcrnpi " ; 5.222'us wctg'hggv'qp": 8'cetgu'0Vj g'r tqlgev'ku'nqecv'gf'cv'Dgt'yj u'428/42; "qp" yj g'pqt'yj y guv'eqtptgt'qh'P gy 'F qem'U'utggv'cpf 'Rlgt'U'C'xgpw'g'y kj kp'yj g'Rqt'v'qh'Nqu'Cpi g'ngu'0' Tghgtgpeg'NCE3: 2723/37" " " " " Ego o gpv'Rgtlkf <P IC" Rwdrie'J gctkpi <9B3423; "	Hlpcn'P gi cv'xg" F ger'ctcv'qp"	Ekv' 'qh'Nqu" Cpi g'ngu'J ctdqt" F gr ctwo gpv'	F qewo gpv' t'x'kgy gf'/" P q" eqo o gpv" ugpv'
<b>Industrial and Commercial"</b>				
<b>LAC190702-08"</b> GP X/423: /8; 25<32: 32'Y guv'Xcpqy gp" Utggv"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrk'kqp'qh'c'64.5: 2/us wctg/hqyv'y ctgj qwug'cpf "eqputwexqp" qh'c'382.499/us wctg/hqyv'y ctgj qwug'qp": ; .54; 'us wctg'hggv'0Vj g'r tqlgev'ku'nqecv'gf'qp'uqwj y guv' eqtpgt'qh'Xcpqy gp'Utggv'cpf 'T'kxgt'v'p'C'xgpw'g'kp'yj g'eqo o wplv'qh'P qtv'yj 'J qm'y q'qf/Xcmg{" Xknci g0' <a href="#">j wr &lt;dy y y &amp;so f 0 qx lf qeulf gh'cwn/uqwtg'legs c leqo o gpv'ngwtu423; llw' INCE3: 2924/2: 0 f h"</a> " " Ego o gpv'Rgtlkf <849423; /"9B9423; " Rwdrie'J gctkpi <P IC"	P gi cv'xg" F ger'ctcv'qp"	Ekv' 'qh'Nqu'Cpi g'ngu'	Uqwj 'Eqcuw' CS O F 'u'v'ch' eqo o gpv'gf " qp" 9B2423; "
<b>Industrial and Commercial"</b>				
<b>LAC190703-14"</b> Hgf gz'I tqwpf 'Rctn'kpi 'Nqv'*Uwpuj kpg" Nqv"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputwexqp'qh'c'lw'hc'eg'r ctnlpi 'hqv'y kj '352'ut'ckrgt'ur'cegu'qp" h'xg'cetgu'0Vj g'r tqlgev'y q'wrf 'cnuq'k'p'cn'f g'lp'w'c'nc'v'qp'qh'c'ic'p'f h'k'ni cu'gz'at'ce'v'qp'u'v'go 0Vj g' r tqlgev'ku'nqecv'gf'cv'34433'I tggpu'v'qp'g'C'xgpw'g'qp'yj g'uqwj y guv'eqtptgt'qh'Uwpuj kpg'C'xgpw'g'cpf " I tggpu'v'qp'g'C'xgpw'g'0' " " " <a href="#">j wr &lt;dy y y &amp;so f 0 qx lf qeulf gh'cwn/uqwtg'legs c leqo o gpv'ngwtu423; llw' INCE3: 2925/360 f h"</a> " " Ego o gpv'Rgtlkf <7B7423; /"8B5423; " Rwdrie'J gctkpi <9B423; "	O kki cv'gf " P gi cv'xg" F ger'ctcv'qp" *geg'k'x'gf 'ch'gt" en'qug'qh' eqo o gpv'ut"	Ekv' 'qh'Ucp'v'c'Hg' Ur'tlpi u"	Uqwj 'Eqcuw' CS O F 'u'v'ch' eqo o gpv'gf " qp" 9B7423; "

%/'Rtqlgev'j cu'r q'v'p'v'cn'g'p'x'k'q'p'o gpv'cn'l'w'w'leg'eq'p'eg't'p'u'f'w'g'v'q'yj g'p'c'w'g'c'p'f k'q't'nq'ec'v'qp'qh'yj g'r tqlgev'0' Fqewo gpv'ut'geg'k'x'gf "d{' 'y' g'EGS C'p'v'gti q'x'g't'p'o gpv'cn'l'g'x'k'y 'r tqi tco 'dw'p'q'v't'g's w'k'k'p'i 't'g'x'k'y 'ct'g'p'q'v'k'p'cn'f gf 'kp'yj ku't'gr q't'v'0'

**ATTACHMENT A2  
INCOMING CEQA DOCUMENTS LOG"  
July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS O F 'NQI /R 'P WO DGT"	RT QIGEV'F GUET'RVKQP "	V[ RG'QH' F QE0'	NGCF 'CI GPE[ "	EQO O GP V' UVC VWU"
RT QIGEV'VK/NG"				
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpuku'qh'eqpuxwv'kp'qh'c'lwthceg'r ctnkpi "h'v'y kj "352"tcl'rgt'ur cegu'qp"	Tgur qpug'vq"	Ekv' 'qh'Ucp'c'Hg"	Fqewo gpv' t'gx'gy gf'/" P q"
<b>LAC190709-02"</b> Hgf gz "I tqwpf 'Rctnkpi "Nqv'Uwpuj kpg" Nqv"	h'x'g'cetgu0Vj g'r tqlgev'y qwf "c'nu'k'p'cnw'f g'k'p'uc'nc'v'kp'qh'c'rcpf h'kn'f cu'gz'v'c'v'kp'u'ug'o 0Vj g" r tqlgev'ku'h'ecv'gf "cv'34433'I tggpuxqpg'Cxgpwg'qp'v'j g'uqwj y guv'eqtpgt'qh'Uwpuj kpg'Cxgpwg'cpf " I tggpuxqpg'Cxgpwg0' Tgh'gt'gpeg'NCE3; 2925/36"	Ego o gpwu"	Ur t'kpi u"	egp'v' eqo o gpwu"
	Ego o gpv'Rgt'kqf <'P IC"			
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpuku'qh'eqpuxwv'kp'c'525.5; 2/us wctg/h'q'v'lpf wut'k'cn'd'w'kf kpi "qp'3708"	Ukg'Rrcp"	Ekv' 'qh'Rgt'tku"	Uqwj 'Eqcu'v' CS O F 'u'cl'hi' eqo o g'p'v'f " qp" 9t; 423; "
<b>RVC190702-09"</b> Fgxgrq o gpv'Tgx'gy "F RT +3; /22229"	cetgu0Vj g'r tqlgev'ku'h'ecv'gf "qp'v'j g'p'qt'v'j gcu'v'eqtpgt'qh'T'kf gt "U'tggv'cpf "Y knqp'U'tggv0' "			
	<a href="#">jwr&lt;ly y y Qso f0 qxlf qeulf gh'cwn'uqwtg'egsc'eqo o gpv'ngwtu423; llw'f IT'XE3; 2924/2; 0 f h"</a>			
	Ego o gpv'Rgt'kqf <849423; /"9B; 423; "			
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpuku'qh't'gwug'cp'gz'k'v'kp' "qh'c' .222/us wctg/h'q'v'd'w'kf kpi "h'qt'ecppcdku"	P gi c'v'x'g" F gen'c'v'kp"	Ekv' 'qh'Rcm "	Fqewo gpv' t'gx'gy gf'/" P q"
<b>RVC190703-03"</b> O qp'v'c'v'kp'G'p'v'g'r t'kgu'NNE."Ec'p'p'cdku" Ew'k'x'c'v'kp'H'ek'k'f . "Ecug'P q0708697/" EWR"	ew'k'x'c'v'kp' .t'c'p'ur q't'c'v'kp' .cpf "T'k'ut'k'd'w'kp0Vj g'r tqlgev'ku'h'ecv'gf "cv'3473'O qp'v'c'v'kp'Y c{ "p'gct" v'j g'p'qt'v'j y guv'eqtpgt'qh'G'cu'v'X'c'f'k'x'c'Y c{ "cpf "G'cu'v'V'cej g'x'c'j 'F't'k'g'0' "	Ur t'kpi u"		egp'v' eqo o gpwu"
	Ego o gpv'Rgt'kqf <915423; /"946423; "			
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf "r tqlgev'eqpuku'qh'lp'uc'nc'v'kp'qh'v'y q'eqo r t'gu'g'f "p'c'w'c'nf cu'eqo r t'gu'g'f u'cpf "	Tgur qpug'vq"	Ekv' 'qh'O g'p'k'gg"	Fqewo gpv' t'gx'gy gf'/" P q"
<b>RVC190703-13"</b> Uq'E'cn'I cu'PI X"Tgh'w'g'r kpi 'U'c'v'kp" *EWR"423: /2; 5+"	uwr r q't'v'kpi "gs'w'r o g'p'v'y kj "67'h'w'g'r kpi "j qu'gu0Vj g'r tqlgev'ku'h'ecv'gf "cv'47422'V'two d'ng'T'q'cf "qp" v'j g'p'qt'v'j gcu'v'eqtpgt'qh'V'two d'ng'T'q'cf "cpf "D'w'g'F'k'co q'p'f 'N'ep'g'0' Tgh'gt'gpeg'TXE3: 2646/27"	Ego o gpwu"		egp'v' eqo o gpwu"
	Ego o gpv'Rgt'kqf <'P IC"			

%/"RtqlgeVj cu't qvqvk'cnp'xk'apo g'pvcn'wv'w'eg'e'q'p'eg't'p'uf'wg'q'v'j g'p'cw't'g'c'p'f k'q't'q'ec'w'q'p'q'h'v'j g'r'tqlgeVj  
F'q'ewo g'p'u't'g'eg'k'g'f'd'f'j g'E'G'S C'k'v'g'ti q'x'g't'p'o g'pvcn't'x'g'v'j t'r'q'ti t'co 'd'w'b'p'q'v't'g's w'k'p'k'i 't'x'g'v'j 'c't'g'p'q'v'k'p'w'f'g'f'k'p'v'j k'u't'g'r'q't'v'o

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVQIP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'f go qrikxqp'qhi'y q'ut wewt gu'cpf 'eqpux wev'qp'qhi'c'474.222/"	P qv'eg'qhi'f'p'v'p'v' v'q'Rtgr ctg'c'c' Vtkden' Gpxktqpo gpv'cn' K6 r cev'Uc'vgo gpv'	Ci wc'Ecrik'p'v'g' Dc'pf'qhi'E'c'j w'k'nc' Kpf kcpu"	F qewo gpv' t'g'x'k'y g'f'/" P q" eqo o gpw' ugpv'
<b>RVC190711-01"</b> Rcm "Ur t'kpi u'Ct'gpc"	us wctg/hq'v'g'p'v'g't'c'k'p'o gpv'd'w'k'f'k'p'i "qp'36'cet'gu'0'Vj g'r tqlgev'ku'q'ec'v'g'f' "qp'y'j g'u'q'w'y y guv'e'q't'p'g't'q'h' Gcu'v'c'ng'l'q'T'q'c'f' "c'p'f' "P q't'y'j 'Ec'ng'G'ri'U'gi w'p'f'q'y'k'j k'p'y'j g'E'k'v'f' "q'hi'R'cm' "Ur t'k'p'i u'0' "			
	Eqo o gpv'Rgt'k'q'f' <9B2423; /"': l: 423; "	Rwd'rie'J' g'ct'k'p'i <'P IC"		
<b>Industrial and Commercial"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'f'g'zr epukqp'qhi'o k'p'k'p'i "d'q'w'p'f'c't' 'h'q'o '7: 'cet'gu'v'q'860'cet'gu'c'p'f' "c' 47/{g'c't'g'z'v'p'k'q'p'q'hi'y'j g'o k'p'k'p'i 'r'g't'o k'v'g'z'r k'c'v'k'q'p'f'c'v'g'v'q'F'g'ego d'g't'53.'42660'Vj g'r tqlgev'ku' q'ec'v'g'f' "qp'y'j g'p'q't'y'j g'cu'v'e'q't'p'g't'q'hi'F'k'nu'p'T'q'c'f' "c'p'f' "D'g't'f'q'q'E'c'p'f'q'p'T'q'c'f' "p'g'c't' "y'j g'eqo o w'p'k'v'f' "q'hi' k'p'f'k'q'J' k'nu'0' T'g'h'g't'g'p'eg'T'X'E'382533/26"	P qv'eg'qhi'f'p'v'p'v' v'q'C'f'q'r'v'c'c' O k'k'i'c'v'g'f' " P g'i'c'v'k'g'g' F'g'e'nc't'c'v'k'q'p' "	T'k'x'g't'u'k'f'g'E'q'w'p'v'f' " R'c'p'p'l'k'p'i " F'g'r'c't'v'o gpv' "	F qewo gpv' t'g'x'k'y g'f'/" P q" eqo o gpw' ugpv'
<b>RVC190723-05"</b> Uw'h'c'eg'O k'p'k'p'i 'R'g't'o k'P q0223; 6." T'g'x'k'k'q'p'P q03"	"			
	Eqo o gpv'Rgt'k'q'f' <847423; /"': 9B2423; "	Rwd'rie'J' g'ct'k'p'i <'P IC"		
<b>Waste and Water-related"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'f'g'x'g'q'r' o gpv'q'hi't'go g'f'k'c'i'c'v'k'q'p'u'v'q' 'e'ng'c'p'w'r' 'e'q'p'w'c'o k'p'c'v'g'f' "u'q'k'i' y'k'j "x'q'u'v'k'g'q't'i'c'p'l'e'eqo r'q'w'p'f'u'q'p'30'cet'gu'0'Vj g'r tqlgev'ku'q'ec'v'g'f' "c'v'4; 22'U'q'w'y'j "U'w'p'q'r'i'F't'k'x'g'g' q'p'y'j g'p'q't'y'j g'cu'v'e'q't'p'g't'q'hi'U'w'p'q'r'i'F't'k'x'g'c'p'f' "C' {g't'u'c'x'g'p'w'g'y'k'j k'p'y'j g'E'k'v'f' "q'hi'X'g't'p'q'p'0' T'g'h'g't'g'p'eg'NCE3; 2826/23"	T'g'ur'q'p'ug'v'q' " E'q'o o gpw' "	F'g'r'c't'v'o gpv'q'hi' V'q'z'k'e'U'w'd'u'nc'p'eg'u' E'q'p'v'q'r'i' "	F qewo gpv' t'g'x'k'y g'f'/" P q" eqo o gpw' ugpv'
<b>LAC190702-06"</b> D'q'f' {e'q'w'g'X'g't'p'q'p'U'k'g' "	"			
	Eqo o gpv'Rgt'k'q'f' <'P IC"	Rwd'rie'J' g'ct'k'p'i <'P IC"		
<b>Waste and Water-related"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qhi'f'g'f'g'p'k'c'i'q'hi'c'w'nc'p'f'c't'f'k'g'f' "j'c'l'c't'f'q'w'u'y'c'v'g'f'c'v'k'k'v'f' "r'g't'o k'v' t'g'p'g'y'c'v'k'c'r'r'k'ec'v'k'q'p'k'p'c'ee'q't'f'c'p'eg'y'k'j "y'j g'E'c'r'i'k'q't'p'k'c'J' g'c'v'j' "c'p'f' "U'c'h'g'v'f' "E'q'f'g'U'g'ev'k'q'p'473: 8'f' "+" c'p'f' "E'c'r'i'k'q't'p'k'c' "E'q'f'g'q'hi'T'g'i'w'c'v'k'q'p' "V'k'g'44."U'g'ev'k'q'p'884920650'Vj g'r tqlgev'ku'q'ec'v'g'f' "c'v'35958/35962'U'c'v'le'q'f' "U't'g'g'v'q'p'y'j g'u'q'w'y'j y'g'u'v'e'q't'p'g't'q'hi'U'c'v'le'q'f' "U't'g'g'v'c'p'f' "Y'q'q'f' o c'p' "C'x'g'p'w'g'y'k'j k'p'y'j g' E'k'v'f' "q'hi'N'q'u'C'p'i'g'g'u'0' T'g'h'g't'g'p'eg'NCE3; 262; /27'c'p'f' "NCE382936/2; "	T'g'ur'q'p'ug'v'q' " E'q'o o gpw' "	F'g'r'c't'v'o gpv'q'hi' V'q'z'k'e'U'w'd'u'nc'p'eg'u' E'q'p'v'q'r'i' "	F qewo gpv' t'g'x'k'y g'f'/" P q" eqo o gpw' ugpv'
<b>LAC190703-07"</b> Co g't'le'c'p'Q'k'i'E'q'o r'c'p'f' "Y'c'v'g' " O'c'p'c'i'g'o gpv'H'c'ek'k'v'f' "	"			
	Eqo o gpv'Rgt'k'q'f' <'P IC"	Rwd'rie'J' g'ct'k'p'i <'P IC"		

%/"Rtqlgev'j cu'r q'v'p'v'c'n'g'p'x'k'q'p'o gpv'c'n'l'w'v'k'g'eq'p'eg't'p'u'f'w'g'v'q'y'j g'p'c'w'g'c'p'f' k'q't'q'ec'v'k'q'p'q'hi'y'j g'r tqlgev'0' F qewo gpw'v'g'g'k'x'g'f' "d'f' "y'j g'EGS C'f'p'v'g't'i'q'x'g't'p'o gpv'c'n'l'g'x'k'y' "r'q'i' t'c'o "d'w'p'q'v't'g's w'k'k'p'i "t'g'x'k'y' "c't'g'p'q'v'k'p'c'v'f' g'f' "k'p'y'j k'u't'g'r'q'r'0'

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVIQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Waste and Water-related"</b>				
<b>LAC190703-11"</b> Hqto gt"J kVgej 'Engcpgtu'Ukg"	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f gxgnr o gpv'qh'tgo gf kcn'cevkpu'v'q'tgo qxg'cpf 'f kur qug'qh' eqpco kpcvgf 'uqku'y kj 'xgtcej nqtqgy gpg'cpf 'ej nqtqpcvgf 'xqncvkg'qti cple'eqo r qwpf u'qp'9.222" us wctg'hgg0Vj g'r tqlgev'ku'hqecvgf 'cv'5639"Y guv'Urcwup'Cxgpwg'qp'yj g'pqtvy gcuveqtpgt'qh'Y guv' Urcwup'Cxgpwg'cpf 'Uqwj 'Xlcvqtk'Cxgpwg'y kj kp'yj g'Ekf 'qh'Nqu'Cpi grgu0' <a href="#">j wr &lt;dy y y Qso f 0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwn INCE3; 2925/330 f h'</a> "Eqo o gpv'Rgtkqf <846423; /": 948423; "Rwdrie"J gctlpi <9439423; "	F tch'Tgo qxcn' Cevkqp'Y qtnr ncp"	F gr ctvo gpv'qh' Vqzle'Uwdncpegu' Eqpvtqn'	Uqwj 'Eqcu' CS O F 'uwh' eqo o gpvgf " qp" 9B: 423; "
<b>Waste and Water-related"</b>				
<b>LAC190709-04"</b> Rj knk u'88'Ectupq'Tghlpgt{ "	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f r tqxcn'qh'tgpgy cn'qh'e'j c  ctf qwu'y cuvg'hckkx'f'r gto k'vq" eqp'v'p'w'g'r quv'enquw'g'o qpkqtlpi 'cpf 'b' ckpvgcpeg'cevkxkgu0Vj g'r tqlgev'ku'hqecvgf 'cv'3742"Gcu' Ugr wkgf c'Dqwgxctf 'pgct'yj g'uqwj gcuveqtpgt'qh'Gcu'Ugr wkgf c'Dqwgxctf 'cpf 'Uqwj " Y kn lpi vqp'Cxgpwg'y kj kp'yj g'Ekf 'qh'Ectupq0' Tghgtgpeg'NCE3; 262; /25'cpf 'NCE393235/27" "Eqo o gpv'Rgtkqf <846423; /": B6423; "Rwdrie"J gctlpi <P IC"	Rgto k'Tgpgy cn'	F gr ctvo gpv'qh' Vqzle'Uwdncpegu' Eqpvtqn'	F qewo gpv' t'x'k'g'y gf "/" P q" eqo o gpw' ugpv'
<b>Waste and Water-related"</b>				
<b>LAC190716-05"</b> Tj q/Ej go 'NNE"	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f gxgnr o gpv'qh'tgo gf kcn'cevkpu'v'q'engcp'vr 'uqkn'cpf " i tqwpf y cvgt'eqpco kpcvgf 'y kj 'xqncvkg'qti cple'eqo r qwpf u'qp'308'cetgu0Vj g'r tqlgev'ku'hqecvgf 'cv' 647'Kku'Cxgpwg'pgct'yj g'uqwj y guv'eqtptgt'qh'Kku'Cxgpwg'cpf 'Y guv'O cpej guvg'Dqwgxctf 'y kj kp" yj g'Ekf 'qh'fpi rgy qqf 0' Tghgtgpeg'NCE352938/28" <a href="#">j wr &lt;dy y y Qso f 0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwn INCE3; 2938/27' 420 f h'</a> "Eqo o gpv'Rgtkqf <938423; /": 948423; "Rwdrie"J gctlpi <P IC"	Eqttgevkxg" O gcuwtgu"	F gr ctvo gpv'qh' Vqzle'Uwdncpegu' Eqpvtqn'	Uqwj 'Eqcu' CS O F 'uwh' eqo o gpvgf " qp" 945423; "
<b>Waste and Water-related"</b>				
<b>LAC190716-06"</b> Cxcnqp'M/34'Uej qqn'Eqpco kpcvgf 'Uqkn' Tgo qxcn'cpf 'Y ctgj qwug'Uqkn'Ecr r lpi " Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f'g'zecxv'kqp.'f kur qucn'cpf 'ecr r lpi 'qh'eqpco kpcvgf 'uqkn'qp'330'" cetgu0Vj g'r tqlgev'ku'hqecvgf 'cv'422'H'cu'Ecp{qp'Tqcf 'qp'yj g'uqwj y guv'eqtptgt'qh'H'cu'Ecp{qp" Tqcf 'cpf 'Cxcnqp'Ecp{qp'Tqcf 'y kj kp'yj g'Ekf 'qh'Cxcnqp0' Tghgtgpeg'NCE35254: /24" "Eqo o gpv'Rgtkqf <934423; /": B2423; "Rwdrie"J gctlpi <9452423; "	F tch'Tgo gf kcn' Cevkqp'Rncp"	F gr ctvo gpv'qh' Vqzle'Uwdncpegu' Eqpvtqn'	F qewo gpv' t'x'k'g'y gf "/" P q" eqo o gpw' ugpv'

%/'Rtqlgev'j cu'r qv'p'cn'gpxktpo gpv'cn'lwn'eg'eqp'gt'pu'f'wg'v'q'yj g'p'cw'g'cpf kq' hqecv'qp'qh'yj g'r tqlgev'0' Fqewo gpw'it'geg'xgf "d{ 'y g'EGS C'f'vgti qxgtpo gpv'cn'Tgx'ky 'r tqi tco "dw'p'qv'ts wklpi 't'x'k'g'y 'ctg'p'qv'k'p'cn'f gf 'kp'yj ku'tgr qtr0'



**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUCS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>Waste and Water-related"</b> <b>ORC190702-10"</b> Dmgdkf 'Ecp{qp'Qwlcni'cpf 'F kxgtukqp" Utwewt g'Tgj cdlkscvqp'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'eqputwevqp'qh'; 22'hpget'hggv'qhi'f kiej cti g'r k'gripg'; 6'lpej gu'lp" f lco gvg(0Vj g'r tqlgev'ku'iqecvgf 'pgct 'y g'lpvgtugevqp'qhi'Dmgdkf 'Ecp{qp'F tkg'cpf 'Uqwj 'Eqcu' J ki j y c{ '3'dgy ggp'37: 7'Uqwj 'Eqcu'J ki j y c{ 'cpf '3823'Uqwj 'Eqcu'J ki j y c{0' " " " Eqo o gpv'Rgtkqf <9B423; /"9I52423; "	O kki cvgf " P gi cvkg" F genrcvqp"	Ekf 'qhi'Nci wpc" Dgcej "	Fqewo gpv' txlgy gf /" P q" eqo o gpw" ugpv'
<b>Waste and Water-related"</b> <b>ORC190702-12"</b> Mlpudwtunf 'Dtqjy gtu.'kpe0'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'tgo qxcn'cpf 'tgr mcego gpv'qhi'c'3.622/i cmpp'cpniht'grgevtqf'vg" uvtci g'cpf 'tgcvo gpv'y kj 'lpvgo gf kcv'g'dwmteqpvcpgt'qhi'522'q'552'i cmppu'qp'706'cetgu0Vj g" r tqlgev'ku'iqecvgf 'cv'3536'P qtvj 'Cpcj glo 'Dqwgxctf 'qp'yj g'pqtvj gcuveqtpgt'qhi'Y guvEqo o gteken' Utggevc'p'P qtvj 'Cpcj glo 'Dqwgxctf 'y kj lp'yj g'Ekf 'qhi'Cpcj glo 0' Tghgtgpeg'QTE393235/26" " " Eqo o gpv'Rgtkqf <P IC"	Rgto k' O qf k'hecvqp"	Fgr ctvo gpv'qhi' Vqzle'Uwduncpegu" Eqpvtqni'	Fqewo gpv' txlgy gf /" P q" eqo o gpw" ugpv'
<b>Waste and Water-related"</b> <b>ORC190709-05"</b> J gcf y qtnu'Tgj cdlkscvqp'cv'RrcpvP q03" *Rtqlgev'P q0R3/327+"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'tgo qrlskqp'qh'5; .269'us vctg'hggv'qhi'utwewt gu'eqputwevqp'qhi' 32'heklkkgu'qvcn'pi '65.722'us vctg'hggv'cpf 'tgi cdlkscvqp'qhi'33'utwewt gu'qp'ugxgp'cetgu0Vj g" r tqlgev'ku'iqecvgf 'cv'32: 66'Gnku'Cxgpwg'qp'yj g'uqwj y guveqtpgt'qhi'Gnku'Cxgpwg'cpf 'Ucpvc'Cpc' Tkggt'Vtckiy kj lp'yj g'Ekf 'qhi'Hqwpckp'Xcmg{0' Tghgtgpeg'QTE3; 2723/3; " " " Eqo o gpv'Rgtkqf <P IC"	Hlpcni'O kki cvgf " P gi cvkg" F genrcvqp"	Qtcpj g'Eqwpv " Ucpkscvqp'F kntlev'	Fqewo gpv' txlgy gf /" P q" eqo o gpw" ugpv'
<b>Waste and Water-related"</b> <b>RVC190702-11"</b> Egptcn'Y kg.'Rgttku"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qhi'r r tqxcn'qhi'ej cpi gu'q'c'r quv'emqwtg'r gto k'q'eqpf wev'cppwcn' i tqwpf y cvgt'o qpkqtkpi "cpf 'o clpvcpeg'qhi'yj tgg'emqgf 'uwt'heg'ko r qwpf o gpw0Vj g'r tqlgev'ku' iqecvgf 'cv'4722'Uqwj 'C'Utggevc'p'yj g'uqwj y guveqtpgt'qhi'Y cwqp'Tqcf 'cpf 'O r gu'Tqcf 'y kj lp" yj g'Ekf 'qhi'Rgttku0' Tghgtgpeg'TXE3; 2723/27'cpf "TXE39293: /33" " " Eqo o gpv'Rgtkqf <P IC"	Rgto k'Tgpgy cn'	Fgr ctvo gpv'qhi' Vqzle'Uwduncpegu" Eqpvtqni'	Fqewo gpv' txlgy gf /" P q" eqo o gpw" ugpv'

%/'Rtqlgev'j cu'r qvpcn'gpxktpo gpvcn'lwne'g'eqpegt'puf'vg'q'ij g'pcwtg'cpf kq'iqecvqp'qhi'yj g'r tqlgev'0'  
Fqewo gpw'tgegkgf "d{ 'y g'EGS C'k'vgti qxgtpo gpvcn'Tgkgy 'r tqi tco 'dwp'pqvtgswklpi 'txlgy 'ctg'pqv'kpenf gf 'lp'yj ku'tgr qtr0'



**ATTACHMENT A2  
INCOMING CEQA DOCUMENTS LOG"  
July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RTQLGEV'F GUET'R'VQIP "	V\ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Waste and Water-related</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqputvev'q'q'h'c'i t'qwpf y cvgt 'utgcvo gpv'hcelk' 'y kj 'c'ecr cels' "qh'32.222'i cmppu'r'gt'o k'pwg'cpf '6.722'hpgct'hggv'qh'r k'gkpg'tcpi kpi 'k'f'eko gvg't'itqo '6'q'38" l'pej gu'Vj g'r tqlgev'ku'hqecv'g'f'cmppi 'P q'ty 'Dgpuq'p'Cxgpw'g'dgy ggp'Rcm'Xgtf'g'Utggv'cpf " Qtej ctf 'Utggv'y kj k'p'y j g'Eks' "qh'Ej k'p'q"	O kki cvgf " P gi cvkg " F ger'c'v'k'p"	O qp'g'Xkuc'Y cvgt " F k'ut'lev'	Uqwj 'Eqcu' CS O F 'u'ch' eqo o gp'v'f " qp " 9'46'423; "
<b>SBC190703-04</b> R'cpv'52'Y g'nj gcf "Vtgcvo gpv'Rtqlgev'	<a href="#">j wr &lt;dy y y &amp;so f 0 qx lf qeulf gh'wn/uqwtg'legs c leqo o gpv'ngwtu'423; llw' lUDE3; 2925/260 f h'</a> " Ego o gpv'Rgtkqf <9'4'423; "/": 9'53'423; " Rwdrie'J gctkpi <: 4: 423; "			
<b>Waste and Water-related</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'g'z'ec'x'c'v'k'p'f'k'ur qucn'cpf 'ecr r kpi 'qh'eqp'x'co k'p'cv'g'f' 'u'k'ri'y kj " o g'v'cu'cpf 'r'qn'ej n'k'p'cv'g'f' 'd'k'j gp' { m' "RE Du' "qp'70'; "cetgu'Vj g'r tqlgev'ku'hqecv'g'f' 'cv'36673" Y j k'w'co 'C'xgpw'g'q'p' 'y j g'u'q'w'j y g'u'v'eq't'p'gt' 'qh'Y j k'w'co 'C'xgpw'g'cpf 'F gr qv'Tqcf 'y kj k'p'y j g'Eks' " qh'H'p'v'c'p'c'0'	F tch' Tgo q'x'cn' Cev'k'p'Y qtn'R'cp'	F gr c't'wo gpv'qh' Vqz'le'U'w'd'uc'p'egu' Eqp't'q'n'	F qewo gpv' t'g'x'lg'y g'f' " P q " eqo o gpw' u'g'p'v'
<b>SBC190723-02</b> C'f'x'c'p'eg'f' "U'g'gn'T'ge'q'x'g't' { "	" Ego o gpv'Rgtkqf <9'3; 423; "/": 3; 423; " Rwdrie'J gctkpi <'P IC"			
<b>Utilities</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f'go q'rk'v'k'p' 'qh'c'p'g'z'k'v'k'p' 'r'wo r 'u'v'v'k'p' 'cpf 'eq'p'ut'v'ev'k'p' 'qh'c' " 32.222/us w'ct'g/h'q'v'r'wo r 'u'v'v'k'p' 'cpf '5.; : 7/n'p'g'ct/h'q'v'h'q'teg'o c'k'p'eq'p'p'g'ev'k'p' 'u'f'ungo 0'Vj g'r tqlgev' ku'hqecv'g'f' "qp'y j g'p'q't'y y g'u'v'eq't'p'gt' 'qh'P q't'y 'Dc { u'k'f'g'F t'k'g'cpf 'G'cu'v'E'q'cu'v'J k'j y c { 0' T'gh'g't'g'p'eg'QTE392843/27.'QTE392446/26."cpf "QTE383332/2: "	F tch' T'g'ek't'ew'v'g'f' " G'p'x't'q'p'o gp'v'cn' K'6 r'cev'T'gr q't'v'	Q't'c'p'i g'E'q'w'p'v' " U'c'p'k'v'k'p'F k'ut'lev'	W'p'f'g't' t'g'x'lg'y . 'b' c { " u'w'd'o k' y t'k'w'p' eqo o gpw"
<b>ORC190703-02</b> Dc { 'D't'k'f' i g'R'wo r 'U'v'v'k'p' 'cpf 'H'q'teg' O c'k'p' T'g'j c'd'k'k'v'k'p' 'Rtqlgev'	" Ego o gpv'Rgtkqf <9'5'423; "/": 38'423; " Rwdrie'J gctkpi <'9'4; 423; "			
<b>Transportation</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'h'g'j c'd'k'k'v'k'p' 'cpf 'u'g'k'uo k'e'k'o r t'q'x'go gpw'v'q'cp'g'z'k'v'k'p' 'd't'k'f' i g' " 622'h'gg'v'k'p' 'h'g'p'i y 'cpf '676'h'gg'v'k'p' 'y k'f' y 0'Vj g'r tqlgev'ku'hqecv'g'f' 'cm'p'i 'P q't'y 'C'tt'q' { q'D'q'w'g'x'c't'f' " d'g'y ggp'U'ge'q'U't'gg'v'cpf "Y g'u'v'J q'm' { 'U't'gg'v'0'	P q'v'eg'q'h'k'p'v'g'p'v' v'q' 'C'f' q'r v'c' " O kki cvgf " P gi cvkg " F ger'c'v'k'p"	E'k' { "qh'R'cu'f' g'p'c"	F qewo gpv' t'g'x'lg'y g'f' " P q " eqo o gpw' u'g'p'v'
<b>LAC190718-01</b> J q'm' { 'U't'gg'v'D't'k'f' i g'U'g'k'uo k'e' "T'g't'q'h'k' " Rtqlgev'	" Ego o gpv'Rgtkqf <9'39'423; "/": 37'423; " Rwdrie'J gctkpi <'9'53'423; "			

%/'Rtqlgev'j cu'r q'v'p'v'cn'g'p'x't'q'p'o gp'v'cn'l'w'w'eg'eq'p'eg't'p'u'f'w'g'v'q' 'y j g'p'c'w'g'cpf k'q't' 'h'q'ec'v'k'p' 'qh'v'j g'r tqlgev'0' F qewo gpw' t'g'g'x'lg'y 'd' { 'y j g'EGS C' "p'v'g't'i q'x'g't'p'o gp'v'cn'T'g'x'lg'y 'r t'q'i t'co "d'w'p'q'v't'g's w'k'k'p'i 't'g'x'lg'y 'c't'g'p'q'v'k'p'en'f' g'f' 'k'p' 'y j k'u't'gr q't'v'0'

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET R'RVQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>Transportation</b> <b>ORC190702-04</b> Dcucpej wt { "Tqcf "K0 r tqxgo gpvRtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'tqcf y c { "ko r tqxgo gpw'd { 'tcklpi "vj g'tqcf "r tqh'kg'd { 'ukz "hggv' c'pf "y kf gplpi "vj g'gz'kukpi "tqcf y c { "Itqo "vy q'ncpgu"q'hw' "ncpgu0Vj g'r tqlgev'ku'qecv'g' "c'np'pi " Dcucpej wt { "Tqcf "dgwy ggp "Ecuc "Nqo c "Cxgpwg" c'pf "Gwt gnc "Cxgpwg0"	P qv'eg"qh'Kp'v'gpv' vq' "Cf q' r v'c" O kki cv'g' " P gi cv'kg" F genc'cv'qp"	Ekv' "qh' [ qtdc'Nkpf c'	F qewo gpv' t'gx'ky gf "/" P q" eqo o gpw' ugpv'
	Ego o gpv'Rgtlqf <849423; "/" : 948423; " Rwdrie "J gctkpi <P IC"			
<b>Transportation</b> <b>SBC190712-01</b> K437Wp'k'gtukv' "Rctny c { "Kp'v'g'ej cpi g" K0 r tqxgo gpvRtqlgev"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh't'geqplki w'cv'qp'qh'qp' tco r "c'pf "qh' tco r "qh'Kp'v'gtucv'g'437"cv' Wp'k'gtukv' "Rctny c { "dgwy ggp "Rquv'O kg "RO +33057" c'pf "RO "330 7'y kj kp' "vj g'Ekv' "qh'Ucp" Dgt'pctf k'p'q0"	P qv'eg"qh'Kp'v'gpv' vq' "Cf q' r v'c" P gi cv'kg" F genc'cv'qp"	Ecr'k'ht'p'lc" F gr ctvo gpv'qh' V'ic'pur qt'cv'qp"	F qewo gpv' t'gx'ky gf "/" P q" eqo o gpw' ugpv'
	Ego o gpv'Rgtlqf <9B4423; "/" : B4423; " Rwdrie "J gctkpi <947423; "			
<b>Institutional (schools, government, etc.)"</b> <b>LAC190709-03</b> Ej ct'ngu'H0M'gw'gtkpi "G'ngo gpv'ct { "Uej q'qn' H'g'pel'pi "R'rc'p"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh't'go q'x'cn'qh'c"; 2/hq'v'h'g'peg" c'pf "kp'uc'nc'v'qp'qh'vj tgg'h'g'pegu'qh' 362'h'ggv'qp'32054" c'et'gu0Vj g'r tqlgev'ku'qecv'g' "cv'772"Uk'x'gtc "Cxgpwg"qp' "vj g'p'qt'v'j gcuv'eq't'p'gt'qh' U'k'x'gtc "Cxgpwg" c'pf "G'cu'v'7'y "U't'ggv'y kj kp' "vj g'Ekv' "qh'Nqpi 'Dgcej 0"	P gi cv'kg" F genc'cv'qp"	Nqpi "Dgcej " Wp'k'kgf "Uej q'qn' F k'ut'lev"	F qewo gpv' t'gx'ky gf "/" P q" eqo o gpw' ugpv'
	Ego o gpv'Rgtlqf <9B32423; "/" : B32423; " Rwdrie "J gctkpi <9B39423; "			
<b>Institutional (schools, government, etc.)"</b> <b>LAC190719-01</b> Ect'qn'Mko o g'no cp' "Ur qt'u' c'pf "Cecf go le" Eco r wu"	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh't'eq'p'ut'w'cv'qp'qh'c"47.222/us w'ct'g/hq'v'h'g'ct'p'kpi "eg'p'vt. "c"84/eq'w't'v' g'p'p'lu'eg'p'vt. "c'pf "g'li j v'lu'ee'gt' "h'g'nf u'qp". 9' c'et'gu0Vj g'r tqlgev'ku'qecv'g' "cv'562"O ct'v'p' "Nw'j gt" M'kpi "L'0U't'ggv'qp' "vj g' "u'q'w'j y g'uv'eq't'p'gt'qh'U'q'w'j "C'x'c'np' "D'q'w'g'x'ct'f "c'pf "O ct'v'p' "Nw'j gt" M'kpi "L'0U't'ggv'y kj kp' "vj g'Ekv' "qh'Ect'up'0" T'gh'gt'g'peg' "NCE3; 2738/24" c'pf "NCE3; 2: 23/37"	T'gur qp'ug'v'q" Ego o gpw"	Eq'w'p'v' "qh'Nqu" C'pi g'ngu"	F qewo gpv' t'gx'ky gf "/" P q" eqo o gpw' ugpv'
	Ego o gpv'Rgtlqf <P IC" Rwdrie "J gctkpi <P IC"			

%/"Rtqlgev'j cu'r q'v'p'v'cn'g'p'x'k'q'p'o gp'v'cn'l'w'v'leg'eq'p'eg't'p'u'f'v'g'v'q' "vj g'bc'w'g' c'pf k'q' "q'ec'v'qp'qh'vj g'r tqlgev'0"  
 F qewo gpw' t'g'eg'k'x'g'f "d { "vj g'EGS C "Kp'v'gti q'x'g't'p'o gp'v'cn'l'g'x'ky "r tqi tco "d'w'p'q'v't'g's w'k'k'pi "t'gx'ky "ct'g'p'q'v'k'p'cn'f'gf "kp' "vj ku't'gr q't'v'0"

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P'WO DGT"	RT QLG EV'F GUET RRVQIP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Institutional (schools, government, etc.)"</b> <b>ORC190705-03"</b> P cxci'Y ger qpu'Ucwkqp'UgcnDgcej " Co o wplkqp'Rlgt'cpf'Vwtplpi 'Dculp"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqputwekqp'qh'c'3.322/hqqv'd{ '347/hqqv'tgr ncego gpv' co o wplkqp'r lgt. 'cuuqekcvgf 'y cygthqpvt'ceklkku'ecwugy c{. 'tveni'wtpctqwpf. 'cpf 'r vdrle" pcxki cwkpcnlej cpgp0Vj g'r tqlgev'ku'qecvgf 'lp' Cpj glo 'Dc{ 'cpf' cnpj 'Rcekle'EqcuVJ ki j y c{ " y kj lp'yj g'Ekw{ 'qh'UgcnDgcej 0' Tghgtgpeg'QTE3: 3226/23.'QTE392636/27.'cpf'QTE382629/29" " "Eqo o gpv'Rgtlkf <'P IC" Rwdrie'J gctkpi <'P IC"	Hlpcn' Gpxkqpo gpvcn' Cuuguo gpv'	Wplkgf 'Ucvgu" Fgr ctwo gpv'qh'yj g" P cx{ "	Fqewo gpv' tgxky gf'/" P q" eqo o gpw" ugpv"
<b>Institutional (schools, government, etc.)"</b> <b>RVC190703-06"</b> Nqpi hgmjy 'Grgo gpwt{ 'Uej qqni' Gzr cpukqp'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f go qrkakqp'qh'y q'tgukf gpv'cn'wplku'qpg'kpp. 'cpf' '34'r qtcdng" ercuutqgo u0Vj g'r tqlgev'y kn'cnq'lpennf g'eqputwekqp'qh'yj tgg'dwrf kpi u'y kj '34'ercuutqgo u'cpf " o qf gtpk cwkqp'qh'ukz'dwrf kpi u0Vj g'r tqlgev'ku'qecvgf "cv5832'Gwecn'r wu'Cxgpwg"qp'yj g" uqwj y guv'eqtpgt'qh'8yj 'Utggv'cpf 'Hicpmkp'Cxgpwg'lp'yj g'Ekw{ 'qh'Tkxgtukf g0' Tghgtgpeg'TXE3; 2324/32" " "Eqo o gpv'Rgtlkf <915423; /": B; 423; " Rwdrie'J gctkpi <'P IC"	F tch' Gpxkqpo gpvcn' K6 r cev'Tgr qtv'	Tkxgtukf g'Wplkgf " Uej qqni'F kntlev'	Wpf gt" tgxky .b c{ " uwo k' y tkwgp" eqo o gpw"
<b>Retail"</b> <b>LAC190705-01"</b> Xgpleg'Rnceg'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f go qrkakqp'qh'7.475'us wctg'hggv'qh'gzkukpi 'dwrf kpi u'cpf " eqputwekqp'qh'85.: ; 3'us wctg'hggv'qh'tgckn'qhtleg. 'cpf' 'eqo o gtekn'wugu'qp'308'cetgu0Vj g'r tqlgev' ku'qecvgf 'qp'yj g'pqtj gcuveqtpgt'qh'Cddqv'Mppg{ 'Dqwgxctf "cpf 'Dtqcf y c{ 'Utggv'lp'yj g" eqo o wplk{ 'qh'Xgpleg0' Tghgtgpeg'NCE3; 2333/25'cpf'NCE392335/25" " "Eqo o gpv'Rgtlkf <'P IC" Rwdrie'J gctkpi <: B423; "	Hlpcn' Gpxkqpo gpvcn' K6 r cev'Tgr qtv'	Ekw{ 'qh'Nqu'Cpi grgu'	Fqewo gpv' tgxky gf'/" P q" eqo o gpw" ugpv"
<b>Retail"</b> <b>LAC190709-06"</b> Dgcej 'Eklgu'O gf lc'Eco r wu'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqputwekqp'qh'hqwt'dwrf kpi u'y kj 'qhtleg'cpf 'tgckn'wugu'qvcnkpi " 535.222'us wctg'hggv'qp'805; 'cetgu0Vj g'r tqlgev'ku'qecvgf "cv4243'Tqugetcpu'Cxgpwg'qp'yj g" pqtj gcuveqtpgt'qh'Tqugetcpu'Cxgpwg'cpf 'Xknci g'F tkxg0' Tghgtgpeg'NCE3; 2527/29'cpf'NCE393434/25" " "Eqo o gpv'Rgtlkf <'P IC" Rwdrie'J gctkpi <'P IC"	Tgur qpug'q" Eqo o gpw"	Ekw{ 'qh'GriUgi wpf q"	Fqewo gpv' tgxky gf'/" P q" eqo o gpw" ugpv"

%/'Rtqlgev'j cu'r qvpcn'gpxkqpo gpvcn'wug'eqpegtpu'f wg'v'q'yj g'bcw'g'cpf kq'qecwkqp'qh'yj g'r tqlgev0'  
Fqewo gpw'tgegkxgf "d{ 'y g'EGS C'lvgti qxgtpo gpvcn'Tgxky 'r tqi tco "dw'pqv'ts wklpi 'tgxky "ctg'pqv'lpennf gf 'lp'yj ku'tgr qtr0'

**ATTACHMENT A2  
INCOMING CEQA DOCUMENTS LOG"  
July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Retail"</b> <b>RVC190710-01"</b> EWR423; /2255.'EWR423; /2256"( " RR423; /242; "	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qhi'eqpuxwexqp'qhi'c'5.: 52/us wctg/hqyv'eqpxgplgpeg'uvqtg.'c'3.792/" us wctg/hqyv't gucw'wcpv'c'5.222/us wctg/hqyv'ect'y cuj . 'cpf 'c'i cuqrlpg'ugt'xleg'ucw'wqp'y kj 'p'lp'g" r wo r u'qp'304'cetgu0Vj g'r tqlgev'ku'hqecv'gf "qp'yj g'uwj y guv'eqtpgt'qhi'Rgppu{ncplc'Cxgpgw'cpf " Gcu'v8vj 'Utg'gw0' <a href="#">i wr&lt;dy y y 0s o f 0 qx lf qeulf gh'wn/uvwteglegsc leqo o gpv'ngwtu423; llwrl IT'XE3; 2932/230 fh'</a> " Ego o gpv'Rgtkqf <91: 423; /": 4423; " Rwdrlc"J gctkpi <P IC"	Ukg'R'ncp"	Ek{ 'qh'Dgcwo qp'v'	Uqwj 'Eqcu' CS O F 'uwh' eqo o gpw'gf " qp" 945423; "
<b>Retail"</b> <b>SBC190702-07"</b> Ucpvc'Cpc'(' 'Tlxgtukf g'/'Dg{ qpf 'I cu' Ucw'wqp'Rtqlgev'O E423; /2257"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qhi'eqpuxwexqp'qhi'c'9.472/us wctg/hqyv'eqpxgplgpeg'uvqtg.'c'7.462/" us wctg/hqyv'eqpqr { . 'cpf '3; 'hwgrkucpf u'y kj '57'i cuqrlpg'r wo r u'cpf 'y tgg'f'kgu'gr wo r u'qp'4028" cetgu0Vj g'r tqlgev'ku'hqecv'gf "qp'yj g'uwj y guv'eqtpgt'qhi'Gcu'Ucpvc'Cpc'Cxgpgw'cpf 'Uqwj " Tlxgtukf g'Cxgpgw0' Tghgtgpeg'UDE3; 2829/24" " Ego o gpv'Rgtkqf <P IC" Rwdrlc"J gctkpi <P IC"	Tgur qpug'vq" Eqo o gpw"	Ek{ 'qh'Tlcncq"	Fqewo gpv' t'x'lg'y gf "/" P q" eqo o gpw' ugpv'
<b>General Land Use (residential, etc.)"</b> <b>LAC190703-01"</b> 999'P qt yj 'Hqp'v'Utg'gw'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qhi'eqpuxwexqp'qhi'794't gukf gp'v'cn'wpku.'3.289'us wctg'hggv'qhi't'gv'cn' wgu.'c'j' qv'ny kj '539'tqgo u.'cpf 'uwdvgt'cp'gcp'r'ctn'kpi 'qp'gki j v'cetgu0Vj g'r tqlgev'ku'hqecv'gf "qp" yj g'pqt yj guv'eqtpgt'qhi'P qt yj 'Hqp'v'Utg'gw'cpf 'Y guv'O ci p'q'rk'Dqwg'xctf 0' Tghgtgpeg'NCE3; 2624/25'cpf 'NCE3: 2628/24" " Ego o gpv'Rgtkqf <913423; /": B6423; " Rwdrlc"J gctkpi <9144423; "	P qv'leg'qhi' Cxck'rd'k'k'q' 'qhi'c' Tge'k'ew'v'gf " F tch' Gpxk'qpo gp'v'cn' K6 r'cev'Tgr qtv'	Ek{ 'qh'Dwtdcpn'	Fqewo gpv' t'x'lg'y gf "/" P q" eqo o gpw' ugpv'
<b>General Land Use (residential, etc.)"</b> <b>LAC190711-04"</b> Nlxg'Qcni'Ctecf k'c'Vqy pj qo gu'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qhi'f go q'rk'w'qp'qhi'3; .; ; 4'us wctg'hggv'qhi'uv'w'w'gu'cpf "eqpuxwexqp" qhi'8't gukf gp'v'cn'wpku'qp'5084'cetgu0Vj ku'r tqlgev'ku'hqecv'gf 'cv'6565'Gcu'v'Nlxg'Qcni'Cxgpgw'p'gct" yj g'pqt yj guv'eqtpgt'qhi'Nlxg'Qcni'Cxgpgw'cpf 'Uqwj 'O c{ h'qy gt'Cxgpgw'y kj kp'yj g'Ekw' 'qhi' Ctecf k'c'0' " Ego o gpv'Rgtkqf <913423; /": B2423; " Rwdrlc"J gctkpi <P IC"	O kki cv'gf " P gi cv'kg" F ger'ctc'w'qp"	Eqw'p'v' 'qhi'Nqu" Cpi gr'gu"	Fqewo gpv' t'x'lg'y gf "/" P q" eqo o gpw' ugpv'

%/'Rtqlgev'j cu'r q'v'p'v'cn'g'p'x'k'q'po gp'v'cn'lw'w'leg'eq'p'eg't'p'uf'w'g'v'q'yj g'p'c'w'g'c'p'f k'q't'hq'ec'w'qp'qhi'yj g'r tqlgev'0' Fqewo gpw't'g'eg'k'x'gf "d{ 'yj g'EGS C'f'p'v'gti q'x'g't'p'o gp'v'cn't'g'x'lg'y 'r tqi tco "dw'p'q'v't'g's w'k'k'pi 't'g'x'lg'y 'ct'g'p'q'v'k'p'ew'f'gf 'lp'yj ku't'gr q't'v'0'

**ATTACHMENT A2  
INCOMING CEQA DOCUMENTS LOG"  
July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	Vl RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f go qrkakp'qh'c'36.697/us wctg/hqv'dwrf kpi 'cpf 'eqputwevkp'qh' c'55.229/us wctg/hqv'dwrf kpi 'y kj '73'tgukf gpvkn'wpku'qp'205'cetgu0Vj g'r tqlgev'ku'qecvgf 'pgct" yj g'pqty y guv'eqtpgt 'qh'Ucphqtf 'Cxgpwg'cpf '7j 'Utggv'lp'yj g'eqo o wpk'qh'EgptcnEk'0' Tghgtgpeg'NCE3: 3443/32'cpf 'NCE3: 2823/25"	Hlpcn' Gpxktqpo gpvcn' K0 rcev'Tgr qtv"	Ek'qh'Nqu'Cpi grgu'	Fqewo gpv' txxlgy gf'/" P q" eqo o gpw" ugpv"
<b>LAC190716-01"</b> 935'Gcu'7j 'Utggv'Rtqlgev'	" Eqo o gpv'Rgtkqf <'P IC" Rwdrie"J gctkpi <': 1: 423; "			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f go qrkakp'qh'yj tgg'ntwewtgu'cpf 'eqputwevkp'qh': 2'tgukf gpvkn' wpku'qp'206'cetgu0Vj g'r tqlgev'ku'qecvgf 'qp'yj g'uqwj gcu'eqtpgt'qh'Qy gpwo qwj 'Cxgpwg'cpf " J ctv'Utggv'lp'yj g'eqo o wpk'qh'Ecpqi c'Rctm'Y kppgw'Y qqf r'pf "J km/Y guv'J km0'	O kki cygf " P gi c'v'g" F gerctevkq"	Ek'qh'Nqu'Cpi grgu'	Fqewo gpv' txxlgy gf'/" P q" eqo o gpw" ugpv"
<b>LAC190717-01"</b> GP X/423; /348: <8; 62'P qt'y "	" Eqo o gpv'Rgtkqf <'9B: 423; /": 0423; " Rwdrie"J gctkpi <'P IC"			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwevkp'qh'82.222'us wctg'hggv'qh'tgvcn'wugu.'72.222'us wctg" hggv'qh'qh'hgg'ur ceg."c'j qvny kj '97'tqgo u.'cpf '3.362'tgukf gpvkn'wpku'qp'46'cetgu0Vj g'r tqlgev'ku' qecvgf 'qp'yj g'pqty gcu'eqtpgt'qh'Cttqy "J ki y c' 'cpf "Dwenpgm'Cxgpwg0'	P qv'eg'qh' Rtgr ctevkp"	Ek'qh'Enrtgo qp'v"	Wpf gt" txxlgy . 'b c' " uwdo k' y tkwgp" eqo o gpw"
<b>LAC190723-04"</b> Enrtgo qp'v'Xknci g'Uqwj 'Ur gekhe'Rncp"	" Eqo o gpv'Rgtkqf <'944423; /": 42423; " Rwdrie"J gctkpi <'944; 423; "			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwevkp'qh'7: 'tgukf gpvkn'wpku'qp'404'cetgu0Vj g'r tqlgev'ku' qecvgf 'qp'yj g'uqwj gcu'eqtpgt'qh'Grgv'le'Cxgpwg'cpf 'Gwerk' 'Utggv0'	P qv'eg'qh' Rtgr ctevkp"	Ek'qh'Nc'J cdtc"	Uqwj 'Eqcu' CS O F 'wch' eqo o gpvgf' " qp" 94; 423; "
<b>ORC190702-01"</b> Xqrctc"Vqy pj qo gu"	" <a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghrwn/uqwtglegs c leqo o gpvrgwgtu423; llwn lQTE3; 2924/230 f h'</a> Eqo o gpv'Rgtkqf <'843423; /"944423; " Rwdrie"J gctkpi <'P IC"			

%/'Rtqlgev'j cu'r qv'pkn'gpxktqpo gpvcn'wueg'eqpegtpu'f wg'v'q'yj g'bcw'g'cpf kq'qecvkp'qh'yj g'r tqlgev0'  
Fqewo gpw'tgegxgf "d' { 'y g'EGS C'pvgti qxgtpo gpvcn'txxlgy 'r tqi tco "dw'pqv'ts wklpi 'txxlgv 'ctg'pqv'kpenf gf 'lp'yj ku'tgr qtr0'

**ATTACHMENT A2  
INCOMING CEQA DOCUMENTS LOG"  
July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLG EV'F GUET RRVQ P "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
<b>General Land Use (residential, etc.)"</b> <b>ORC190705-05"</b> Vj g'Vtcku'cv'Ucpvki q'EtggmRtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqpuxwv'kp'qh'34: 't gukf gpv'kcn'wpku'qp'c'620/cetg'r qt'vqp'qh'32; 'cetgu0Vj g'r tqlgev'y qwf 'cnuq'lpemf g'8; 'cetgu'qh'pcwtcnf tggpy c{ 'cpf 'qr gp'ur ceg0Vj g' r tqlgev'ku'hqecv'gf 'cv'833: 'Gcu'Ucpvki q' Ecp{ qp' Tqcf 'qp' 'y' g'pqt y y guv'eqtpgt'qh'Gcu'Ucpvki q' Ecp{ qp' Tqcf 'cpf 'Qtcp i g' Rctni Dqwxctf 0' Tghgtgpeg'QTE3: 3336/25.'QTE3: 2445/23.'cpf "QTE392529/29" " " Eqo o gpv'Rgtkqf <'P IC" Rwdrie'J gctkpi <'91371423; "	Hlpcn' Gpxkqpo gpvcn' K0 r cev'Tgr qtv'	Ekv{ 'qh'Qtcp i g"	Fqewo gpv' t'xlg y gf '"/' P q" eqo o gpw' ugpv'
<b>General Land Use (residential, etc.)"</b> <b>ORC190723-03"</b> Vwv'kp'Ngi ce{ 'Ur gekh'e'Rrcp"	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'c'uwdf kxkukqp'qh'3360'cetgu'hqt'hwv'g't gukf gpv'kcn'cpf " eqo o gteknf' g'xgnr o gpv0Vj g'r tqlgev'ku'hqecv'gf 'qp' 'y' g'uwj gcu'eqtpgt'qh'Y ctpgt' Cxgpw'g'cpf " Cto utqpi 'C'xgpw'g'0' " " Eqo o gpv'Rgtkqf <'913: 1423; '"/': 171423; " Rwdrie'J gctkpi <'P IC"	Ukg'Rrcp"	Ekv{ 'qh'Vwv'kp"	Wpf gt" t'xlg y . 'b c{ " uwdo k' y t'kxgp" eqo o gpw'
<b>General Land Use (residential, etc.)"</b> <b>ORC190725-01"</b> O gtew{ 'T gukf gpv'kcn'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'c'393.655/us wctg/hq'v'dw'kf lpi 'y k'j "342" t gukf gpv'kcn'wpku0Vj g'r tqlgev'ku'hqecv'gf 'qp' 'y' g'uwj gcu'eqtpgt'qh'O gtew{ 'Ncp'g'cpf 'Uqwj 'Dgtt{ " Utggv0' Tghgtgpeg'QTE3: 3436/23" " " Eqo o gpv'Rgtkqf <'91461423; '"/': 1; 1423; " Rwdrie'J gctkpi <'P IC"	F tch' Gpxkqpo gpvcn' K0 r cev'Tgr qtv'	Ekv{ 'qh'Dtgc"	Wpf gt" t'xlg y . 'b c{ " uwdo k' y t'kxgp" eqo o gpw'
<b>General Land Use (residential, etc.)"</b> <b>RVC190705-02"</b> Ur gekh'e'Rrcp'P q0374'Co gp'f o gpv'P q07'	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'c'uwdf kxkukqp'qh'680'cetgu'hqt'hwv'g't g'xgnr o gpv'qh'4.437" t gukf gpv'kcn'wpku0Vj g'r tqlgev'ku'hqecv'gf 'qp' 'y' g'uwj y guv'eqtpgt'qh'F g'Rcm c' Tqcf 'cpf 'J qtugv' kgh' Ecp{ qp' Tqcf 'kp' 'y' g'eqo o vpkv{ 'qh'Gnukpqtg0' Tghgtgpeg'TXE382749/26" <a href="#">j wr &lt;ly y y Qso f f q x lf qeulf gh'wv/uqwtg'legsc'eqo o gpv'rgwtu1423; llwv' ITXE3: 2927/240 f h'v'xtp? .: "</a> " Eqo o gpv'Rgtkqf <'81351423; '"/': 81491423; " Rwdrie'J gctkpi <'81491423; "	Ukg'Rrcp" *t'gegkxgf 'ch'gt" enq'g'qh' eqo o gpv'w"	T'kxgtukf g'E'qwpv{ " Rrcppkpi " Fgr cto gpv"	Uqwj 'Eqcuw' CS O F 'uv'ch' eqo o gpv'gf " qp" 91; 1423; "

%/'Rtqlgev'j cu'r q'v'p'kcn'gpxkqpo gpvcn'lw'v'eg'eqp'gtpu'f'wg'v'q'j g'p'cw'g'c'p'f' k'q' t'q'ec'v'kp'qh'j g'r tqlgev'0' Fqewo gpw't'gegkxgf "d{ 'j' g'EGS C' "p'v'gti qxgtpo gpvcn'T'xlg y 'r tqi tco "dw'p'qv't'gs w'k'k'pi 't'xlg y 'ct'g'p'qv'lpemf gf 'kp' 'y' ku't'gr qtv0'

**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLGE V'F GUET RRVQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLGE V'VK/NG"				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwev'qp'qh'38: 't gukf gpv'kcn'wpku'qp'64086'cet gu0Vj g'r tqlgev' ku'iqecv'gf 'qp'yj g'pqt y y guv'eqtpgt'qh'Vgo gewr'Rctny c{ 'cpf 'Dwwgth'grf 'Uci g'Tqcf 0'	O kki cv'gf " P gi cv'kg" F gen'ctcv'kqp"	Ekv{ 'qh'Vgo gewr"	Wpf gt" t'gx'kgy . 'b c{ " u'wdo k' y t'kwgp" eqo o gpw"
<b>RVC190724-01"</b> Rcuq'F gni'Uqni'Ur gek'he'Rcp.'RC/6." Vgpcv'kxg"Vtcev'O cr '586: 5"	" " " " Eqo o gpv'Rgtkqf <946423; "/": 44423; " Rwdrie"J gctkpi <P IC"			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'c'wdf k'kukqp'qh'86'cet gu'ht 'hww'g'f g'xgnr o gpv'qh'3: 4" t gukf gpv'kcn'wpku'Vj g'r tqlgev'y qwf 'cnu'k'p'cnw'f'g'3: 0 'cet gu'qh'qr gp'ur ceg0Vj g'r tqlgev'ku'iqecv'gf " qp'yj g'uqwj y guv'eqtpgt'qh'F qo gpli qpk'Rctny c{ 'cpf 'Dtki i u'Tqcf 0'	Ukg'Rcp"	Ekv{ 'qh'O gpl'gg"	Wpf gt" t'gx'kgy . 'b c{ " u'wdo k' y t'kwgp" eqo o gpw"
<b>RVC190724-02"</b> Vgpcv'kxg"Vtcev'O cr 'P q0423; /229" *VVO 59893+/"O gpl'gg'Xknci g"	" " " " Eqo o gpv'Rgtkqf <9B: 423; "/": B5423; " Rwdrie"J gctkpi <: B423; "			
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwev'qp'qh'3.222't gukf gpv'kcn'wpku'qp": 9076'cet gu0Vj g" r tqlgev'ku'iqecv'gf 'qp'yj g'uqwj y guv'eqtpgt'qh' pgl 'Tqcf 'cpf 'Vgo gewr'Egpgt'F t'kg0'	P qv'eg'qh' Rtr gr ctcv'kqp"	Ekv{ 'qh'Vgo gewr"	Wpf gt" t'gx'kgy . 'b c{ " u'wdo k' y t'kwgp" eqo o gpw"
<b>RVC190725-02"</b> J c'xguv'q'p'I gpgt'cn'Rcp'Co gpf o gpv' *I RC+'cpf 'Ur gek'he'Rcp'Co gpf o gpv' *URC+/"Rcppl'pi 'Ctgc'34"	" " " " Eqo o gpv'Rgtkqf <944423; "/": 44423; " Rwdrie"J gctkpi <: B: 423; "			
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'f g'xgnr o gpv'qh'f g' gurt'kcp'r cy y c{ u'lpv'gr t'g'v'kxg'uli pu.'g'xgpv' ur cegu.'cpf 'uqk'it'go g'f k'cv'kqp'qp'p'kpg'cet gu0Vj g'r tqlgev'ku'iqecv'gf 'qp'yj g'pqt y y guv'eqtpgt'qh' Ctx'k'U'it'ggv'cpf 'P q'it'y 'Ucp'Hgt'pcpf q'Tqcf 'kp'yj g'eqo o w'pkv{ 'qh'I ncu'gm'Rctn0'	P qv'eg'qh' Rtr gr ctcv'kqp"	Ekv{ 'qh'Nqu'Cpi gnu'	Uqwj 'Eqcuw' CS O F 'w'ch'i' eqo o gpv'f " qp" 945423; "
<b>LAC190703-12"</b> Xknc'F gni'Tiq'Rtqlgev'	" <a href="#">j wr &lt;ly y y Q'so f 0 qx lf qeulf gh'wn/uqwt'eg'legs c leqo o gpv'ngwtu423; llwn INCE3; 2925/340 f h'</a> " Eqo o gpv'Rgtkqf <849423; "/": 94; 423; " Rwdrie"J gctkpi <9B7423; "			

%/"Rtqlgev'j cu'r q'v'p'kcn'g'p'x'k'q'p'o gpv'cn'l'w'nd'eg'eq'p'eg't'p'u'f'w'g'v'q'yj g'p'cw'g'c'p'f k'q'iq'ecv'kqp'qh'yj g'r tqlgev'0'  
Fqewo gpw'it'geg'kxg'f "d{ 'yj g'EGS C'f'p'v'gti q'x'g't'p'o gpv'cn'l'g'x'k'y 'r tqi tco 'd'w'p'q'v't's w'k'k'p'i 't'g'x'k'y 'ct'g'p'q'v'k'p'cn'w'f'g'f 'kp'yj ku't'gr q't'0'



**ATTACHMENT A2**  
**INCOMING CEQA DOCUMENTS LOG"**  
**July 1, 2019 to July 31, 2019"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RT QLG E V'F GUET R RVQP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RT QLG E V'VK/NG"				
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwe'kqp'qh'tgetgc'kqpcn'co gpk'kgu'cpf 'uqto y cvgt 'tgcwo gpv' h'ek'k'kgu'qp'52"cetgu0Vj g'r tqlgev'ku'hqecygf 'c'np'pi 'y g'Nqu'Ci pi g'gu'Tkxgt'dgy ggp'Hk'guvqpg" Dqwgxctf 'cpf 'y g'Tkq'J qpf q'Ej cppgr0'	O kki cvgf " P gi c'k'kg" F gen'ctc'kqp"	Ek'k' 'qh'Uqwj 'I cvg"	F qewo gpv' t'gx'kgy gf "/" P q" eqo o gpw' ugpv"
<b>LAC190709-01"</b>				
Widcp'Qtej ctf 'F go qp'ut'c'kqp'Rtqlgev'	"			
"	"			
	Eqo o gpv'Rgtlqf <916423; "/" : 15423; "	Rwdrie"J gctkpi <": 149423; "		
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'eqputwe'kqp'qh'tgetgc'kqpcn'co gpk'kgu'cpf 'lo r tqxgo gpw'qp'3907" cetgu0Vj g'r tqlgev'ku'hqecygf 'y kj kp'y g'Xkuc'I t'cpf g'Rctn'kqp'y g'uqwj gcu'eqtpgt'qh'Nco dgtv' Tqcf 'cpf 'k'cj q'Utggv0'	P q'k'eg'qh'k'p'v'p' vq'Cf qr v'c" O kki cvgf " P gi c'k'kg" F gen'ctc'kqp"	Ek'k' 'qh'Nc'J cdtc"	F qewo gpv' t'gx'kgy gf "/" P q" eqo o gpw' ugpv"
<b>ORC190702-02"</b>				
Xkuc'I t'cpf g'Rctn'k'k' r tqxgo gpv'Rtqlgev'	"			
"	"			
"	"			
	Eqo o gpv'Rgtlqf <847423; "/" : 9137423; "	Rwdrie"J gctkpi <P IC"		
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuku'qh'w'f cvgu'v'q'y g'Ek'k' 'u'I gp'gt'cn'Rcp'q'c'my 'h'qt'h'w'w'g" f'gx'g'qr o gpv'qh'8.745'tgukf gp'v'cn'w'p'ku'cpf '9: 6.222'us wctg'h'ggv'qh'eqo o gtekn'q'h'k'eg.'cpf " kp'f w'ut'kn'w'gu'y kj 'c'r'nc'p'p'k'pi 'j q'tk'qp'f gct'qh'4262'qp'6.45: "cetgu0' Tgh'gt'gpeg'QTE3: 3238/29"	F t'chn' Gp'x'k'qpo gp'v'cn' K' r cev'T gr qtv'	Ek'k' 'qh'R'ce'gp'v'k"	Wp'f gt" t'gx'kgy . 'b c { " u'wdo k' y t'k'w'gp" eqo o gpw"
<b>ORC190716-02"</b>				
Tlej 'J g'k'ci g.'Dt'k'j v'H'w'w'g-<R'ce'gp'v'k" I gp'gt'cn'Rcp"	"			
"	"			
	Eqo o gpv'Rgtlqf <9134423; "/" : 148423; "	Rwdrie"J gctkpi <P IC"		

%/"Rtqlgev'j cu'r q'v'p'v'cn'g'p'x'k'qpo gp'v'cn'w'w'k'eg'eq'p'eg't'p'f'w'g'v'q'y g'p'c'w'g'c'p'f k'q't'h'q'ec'v'k'p'qh'y g'r tqlgev'0' F qewo gpw't'g'eg'k'x'gf "d{ 'y g'EGS C'k'p'v'gti q'x'g'tpo gp'v'cn'T'g'x'kgy 'r tqi t'co 'd'w'p'q'v't'g's w'k'k'pi 't'g'x'kgy 'c't'g'p'q'v'k'p'cn'f gf 'k'p'y k'u't'gr q'tv'0'



**ATTACHMENT B1\***  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS  
OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF "NQI /R'P WO DGT"	RTQIGEV'F GUET'RVIQF "	V\ RG'QH' F QE0'	NGCF 'CI GP E\ "	EQO O GP V' UVC VWU"
RTQIGEV'VK'NG"				
<b>Warehouse &amp; Distribution Centers"</b> <b>LAC190521-02"</b> 3823"Ucp'Hicpekeq'Cxgpwg'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'f go qrkakp'qh'33.972'us wctg'hggv'qh'dwrf lpi u'cpf "eqpustwekqp" qh'y q'y ctgj qwugu'qvcrlpi "; 6.: 94'us wctg'hggv'qp'50 5'cetgu0Vj g'r tqlgev'ku'qecvqf 'cv'555'Y guv' Qegcp'Dqwgxtcf "qp'yj g'pqt yj y guv'eqtpgt'qh'Y guv'Qegcp'Dqwgxtcf 'cpf 'Rcekle'Cxgpwg0' " " <a href="#">j wr&lt;dy y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'ngwtu423; llwpgINCE3; 2743/240 f h'</a> Eqo o gpv'Rgtlkf <7B6423; /"8B4423; " Rwdrie"J gctkpi <P IC"	P qvleg'qh'f'pvgpv' vq'Cf qr v'c" O kki cvqf " P gi cvkxg" F gerctvqkp"	Eks' 'qh'Nqpi 'Dgcej "	Uqwj 'Eqcu' CS O F 'luch' eqo o gpvqf " qp" 8B3423; "
<b>Warehouse &amp; Distribution Centers"</b> <b>SBC190528-06"</b> Qpvtlk'Tcpej 'Dwulpguu'Rctmi'Ur gekle' Rrcp"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpustwekqp'qh'gki j v'y ctgj qwugu'qvcrlpi "3.; 27.249'us wctg'hggv' qp": 708'cetgu0Vj g'r tqlgev'ku'qecvqf "qp'yj g'pqt yj gcu'eqtpgt'qh'O gttkriC'xgpwg'cpf 'Gwerk' " Cxgpwg0' " " <a href="#">j wr&lt;dy y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'ngwtu423; llwpgIUDE3; 274; /280 f h'</a> Eqo o gpv'Rgtlkf <746423; /"846423; " Rwdrie"J gctkpi <815423; "	P qvleg'qh' Rtgr ctvqkp"	Eks' 'qh'Qpvtlk"	Uqwj 'Eqcu' CS O F 'luch' eqo o gpvqf " qp" 8B3423; "
<b>Industrial and Commercial"</b> <b>ORC190522-03"</b> I cpej n'Nwo dgt'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpustwekqp'qh'37'ut wewt gu'qvcrlpi "388.5: 7'us wctg'hggv'ht" tgc'ki'wugu'qp'39'cetgu0Vj g'r tqlgev'ku'qecvqf "qp'yj g'pqt yj gcu'eqtpgt'qh'U'qpgj kntF tkxg'cpf "Ucp" Lxcp'Etggno' " " <a href="#">j wr&lt;dy y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'ngwtu423; llwpgIQTE3; 2744/250 f h'</a> Eqo o gpv'Rgtlkf <745423; /"843423; " Rwdrie"J gctkpi <P IC"	P qvleg'qh' Rtgr ctvqkp"	Eks' 'qh'Ucp'Lxcp' Ecr kntcpq"	Uqwj 'Eqcu' CS O F 'luch' eqo o gpvqf " qp" 816423; "
<b>Industrial and Commercial"</b> <b>RVC190529-02"</b> F gxgnr o gpv'Tgxkgy "F TR+3; /22225"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpustwekqp'qh'c'472.222/us wctg'hq'v'lpf wnt'kri'dwrf lpi "qp'48" cetgu0Vj g'r tqlgev'ku'qecvqf "qp'yj g'uwj gcu'eqtpgt'qh'P cpeg'Utggv'cpf 'Rcwgutqp'Cxgpwg0' " " <a href="#">j wr&lt;dy y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'ngwtu423; llwpgITXE3; 274; /240 f h'</a> Eqo o gpv'Rgtlkf <745423; /"8B6423; " Rwdrie"J gctkpi <P IC"	Ukg'Rrcp"	Eks' 'qh'Rgtlk"	Uqwj 'Eqcu' CS O F 'luch' eqo o gpvqf " qp" 816423; "
<b>Waste and Water-related"</b> <b>ORC190522-02"</b> QEY F/65T'O qpkqtkpi 'Y gni' Tgr nrego gpv'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpustwekqp'qh'qpg'o wnk'f gr yj 'y cvgt'o qpkqtkpi 'y gni'qh'46" kpej gu'lp'y k' yj 'cpf '782'hggv'dgnqy 'i tqwpf 'lwt'c'eg'qp'37.222'us wctg'hggv'0Vj g'r tqlgev'ku'qecvqf " pgct'yj g'uwj y guv'eqtpgt'qh'Cf co u'Cxgpwg'cpf 'Hk'xkgy 'Utggv'y kj lp'yj g'Eks' 'qh'E'quc'O guc0' " " <a href="#">j wr&lt;dy y y Qs o f 0 qx lf qeulf gh:wn/uqwtglegsc leqo o gpv'ngwtu423; llwpgIQTE3; 2744/240 f h'</a> Eqo o gpv'Rgtlkf <7B9423; /"8B9423; " Rwdrie"J gctkpi <P IC"	P qvleg'qh'f'pvgpv' vq'Cf qr v'c" O kki cvqf " P gi cvkxg" F gerctvqkp"	Qtcp' g'E'qwpv' " Y cvgt'F kntev'	Uqwj 'Eqcu' CS O F 'luch' eqo o gpvqf " qp" 8B4423; "

\*Sorted by Comment Status, followed by Land Use, then date received."

%/'Rtqlgev'j cu'r qv'p'k'n'gpxk'qpo gpv'n'l'wn'leg'eqe'gt'pu'f'wg'v'q'yj g'p'w'w'g'cpf k't'iq'ec'v'q'p'qh'yj g'r tqlgev0'

**ATTACHMENT B1"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQUCV'CS OF 'NQI /R'P WODGT"	RTQIGEV'F GUET'RVIQP "	V' RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVCVWU"
RTQIGEV'VK/NG"				
<b>Utilities</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f go qrkakp'qh'gz kulkpi '337/nkqxqn'mX-+tcpuo kuukp'kpg.'cpf "eqpntwekqp'qh'pgy '452/nX'f qwdrg'ektevks'tcpuo kuukp'kpgu'cpf "cuuqekvgf 'tcpuo kuukp' utwewtgu'cmipi '34'o kgu0Vj g'r tqlgev'ku'qecvgf 'qp'yj g'pqtj gcuveqtpgt'qh'kpgtuncv'7'cpf "kpgtuncv'432'y kj kp'yj g'Ekf' 'qh'Ucpvc'Erctkc'cpf 'yj g'eqo o wplk' 'qh'I tpcpc'J km/Mpqn y qqf 'kp' yj g'Ekf' 'qh'Nqu'Cpi grgu0' Tghgtgpeg'NCE3: 2347/28"	F tch' Gpxkqpo gpvcn' K0 r cev'Tgr qtv'	Nqu'Cpi grgu' Fgr ctvo gpv'qh' Y cvgt'cpf 'Rqy gt"	Uqwj 'Eqcuv' CS OF 'luch' eqo o gpvgf " qp" 8B5 H23; "
<b>LAC190507-05"</b> Rqy gt'Rcpv'3'cpf'Rqy gt'Rcpv'4" Vtcpuo kuukp'Nkpg'Eqpxgtukp'Rtqlgev'	<a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgNCE3: 2729/270 fH'</a> Eqo o gpv'Rgtkqf <7B5 H23; /"8B9 H23; " Rwdrie'J gctkpi <P IC"			
<b>Transportation</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqpntwekqp'qh'c'dkngy c{ 'cpf "cuuqekvgf 'tqcf 'lo r tqxgo gpw'vq" O kpgu'Cxgpgw.'eqpntwekqp'qh'c'dle{ englr gf guntkcp'dtkf i g'qxtg' yj g'Ucp'I cdtlgn'Tkxgt.'cpf " tgeqpntwekqp'qh'c'dkngy c{ 'cmipi 'F wprer 'Etquukpi 'Tqcf 0'	O kki cvgf " P gi cvkxg" F gerctcvkqp"	Ekf' 'qh'Rleq'Tkxgtc"	Uqwj 'Eqcuv' CS OF 'luch' eqo o gpvgf " qp" 8B3 H23; "
<b>LAC190515-04"</b> Ekf' 'qh'Rleq'Tkxgtc'T gi kqpcn'Dkngy c{ u' Rtqlgev'	<a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgNCE3: 2737/260 fH'</a> Eqo o gpv'Rgtkqf <7B6 H23; /"8B4 H23; " Rwdrie'J gctkpi <7B8 H23; "			
<b>Transportation</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f k' gplpi 'cp'gz kulkpi 'tqcf y c{ 'Itqo 'y q'irpgu'v'hw'irpgu'qh'33" hggv'kp'y k' yj 'cmipi '306'o kgu'qh'Dtgc'Dqwgxtcf 'cpf 'Dtgc'Ecp{ qp'Tqcf 'Itqo 'Ecp{ qpf crg'F tkxg" y kj kp'yj g'Ekf' 'qh'Dtgc'v'Vqppgt'Ecp{ qp'Tqcf 'kp'yj g'wplpeqtr qtcvgf 'tgcgu'qh'Qtcp i g'Eqwpv'0' "	P qvleg'qh' Rtgr ctcvkqp"	Eqwpv' 'qh'Qtcp i g' Fgr ctvo gpv'qh' Rwdrie'Y qtmu'	Uqwj 'Eqcuv' CS OF 'luch' eqo o gpvgf " qp" 8B6 H23; "
<b>ORC190521-07"</b> Dtgc'Dqwgxtcf IDtgc'Ecp{ qp'Tqcf " Y k' gplpi 'Rtqlgev'	<a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgQTE3: 2743/290 fH'</a> Eqo o gpv'Rgtkqf <7B42 H23; /"8B; H23; " Rwdrie'J gctkpi <7B4; H23; "			
<b>Institutional (schools, government, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f go qrkakp'qh'6; .328'us wctg'hggv'qh'gz kulkpi 'dwlrf lpi u'cpf " eqpntwekqp'qh'hw' 'dwlrf lpi u'v'cncipi "; 4.8; 4'us wctg'hggv'v'q'ceeao o qf cvg'c'pgv'kpetgcug'qh'3.387" uwf gpw'qp'ugxgp'cetgu0Vj g'r tqlgev'ku'qecvgf "qp'yj g'pqtj gcuveqtpgt'qh'F gxqpuj ktg'Utggv'cpf " Co guw{ 'Cxgpgw'kp'yj g'eqo o wplk' 'qh'I tpcpc'J km/Mpqn y qqf 0'	O kki cvgf " P gi cvkxg" F gerctcvkqp"	Ekf' 'qh'Nqu'Cpi grgu'	Uqwj 'Eqcuv' CS OF 'luch' eqo o gpvgf " qp" 8B7 H23; "
<b>LAC190515-06"</b> GP X/423: /9334-392: 3"Y guv' F gxqpuj ktg'Utggv'	<a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgNCE3: 2737/280 fH'</a> Eqo o gpv'Rgtkqf <7B7 H23; /"8B7 H23; " Rwdrie'J gctkpi <P IC"			
<b>Institutional (schools, government, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqpntwekqp'qh'c'47.222/us wctg'hqyv'rgctpki 'egpvt.'c'84/eqwt' vgpplu'egpvt.'cpf 'gli j v'luqeggt'hgrf u'qp". 9'cetgu0Vj g'r tqlgev'ku'qecvgf "cv'562'O ctvp'Nwjt" Mlpi 'It0Utggv'qp'yj g'uwqj y guveqtpgt'qh'Uqwj 'Cxcmp'Dqwgxtcf 'cpf 'O ctvp'Nwjt' Mlpi 'It0' Utggv'y kj kp'yj g'Ekf' 'qh'Ectupq0' Tghgtgpeg'NCE3: 2: 23/37"	P qvleg'qh' Cxckrdkks' 'qh'c" F tch' Gpxkqpo gpvcn' K0 r cev'Tgr qtv'	Eqwpv' 'qh'Nqu' Cpi grgu"	Uqwj 'Eqcuv' CS OF 'luch' eqo o gpvgf " qp" 8B7 H23; "
<b>LAC190516-02"</b> Ectqn'Mlo o gro cp'Ur qtuw'cpf 'Cecf go le' Eco r wu"	<a href="#">jwr&lt;ly y y Qso f0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgNCE3: 2738/240 fH'</a> Eqo o gpv'Rgtkqf <7B7 H23; /"9B H23; " Rwdrie'J gctkpi <P IC"			

%/'Rtqlgev'j cu'r qvpgkcn'gpxkqpo gpvcn'lwneq'eqpegtpu'f wg'v'q'yj g'pcwtg'cpf lqt'qecv'kp'qh'yj g'r tqlgev'0'

**ATTACHMENT B1"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WODGT"	RTQIGEV'VK/NG"	V\ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
<b>Institutional (schools, government, etc.)"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'f go qrikqp'qh'yj tgg'dwrf lpi u'vqcrkpi "55.944/us wctg'hggv" tgo qxcn'qh'44'r qtwr'dwrf lpi u'vqcrkpi "48.9; 6'us wctg'hggv'cpf "eqputwewqp'qh'qpg'qt "o qtg" dwrf lpi u'vqcrkpi " 8.; 22'us wctg'hggv'qp'380 4'cetgu0Vj g'r tqlgevl'u'qecv'f'cv'6: 33'Grk cdgvj " Utggv'pget'vj g'pqt'yj y guv'eqtptgt'qh'Grk cdgvj "Utggv'cpf "Y kaez'Cxgpwg'y kj lp'yj g'Ek' 'qh' Ew'cj {0' <a href="#">jwr&lt;dy y y Qs o f f q x l f qeulf ghcwn/uvwteglegs cleqo o gpvngwtul423; llwpgINCE3; 2743/2: 0 f h'</a>	O kki cvgf " P gi c'v'g" F geritcvkqp"	Nqu'Cpi grgu" Wpkl'gf "Uej qqrn' F kntlev"	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpv'f " qp" 8B; 423; "
<b>LAC190521-08"</b> Grk cdgvj "Ngctplpi "Egpgt" Eqo r tgi gpuk'g'O qf gtpk' cvkqp"	Eqo o gpv'Rgtkqf <744 423; "843 423; " Rwdrie "J gctkpi <744: 423; "			
<b>Retail"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'eqputwewqp'qh'c"5.722/us wctg/hqqv'eqpxgplgpeg'utqg "c"8.472/" us wctg/hqqv'tgxcn'dwrf lpi . "c"4.222/us wctg/hqqv'tgucwcpv'cpf "c"i cuqrlpg'utxleg'ucv'kqp'y kj " gki j v'r wo r u'qp"40'cetgu0Vj g'r tqlgevl'u'qecv'f'qp'yj g'uqwj y guv'eqtptgt'qh'l qh'Enw'F t'k'g'cpf " Qcn'Xcng { 'Rctny c {0' <a href="#">jwr&lt;dy y y Qs o f f q x l f qeulf ghcwn/uvwteglegs cleqo o gpvngwtul423; llwpgITXE3; 2729/320 f h'</a>	O kki cvgf " P gi c'v'g" F geritcvkqp"	Ek { 'qh'Dgco qp'v'	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpv'f " qp" 8I7 423; "
<b>RVC190507-10"</b> Qcn'Xcng { 'Gzr tguu'Rtqlgev'	Eqo o gpv'Rgtkqf <71: 423; "818 423; " Rwdrie "J gctkpi <813 423; "			
<b>Retail"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'eqputwewqp'qh'c"5.: 22/us wctg/hqqv'eqpxgplgpeg'utqg "c" i cuqrlpg'utxleg'ucv'kqp'y kj "32'r wo r u. 'y q' t'gucwcpv'u'vqcrkpi ". 2: : 'us wctg'hggv'cpf "c"33.47; /" us wctg/hqqv'j qv'ny kj "338'tqgo u'qp"360'cetgu0Vj g'r tqlgevl'u'qecv'f'qp'yj g'uqwj gcu'v'eqtptgt'qh' Cxgpwg'72'cpf "Ucv'g'T qwg": 80' <a href="#">jwr&lt;dy y y Qs o f f q x l f qeulf ghcwn/uvwteglegs cleqo o gpvngwtul423; llwpgITXE3; 272; /250 f h'</a>	O kki cvgf " P gi c'v'g" F geritcvkqp"	Ek { 'qh'Eqcej gmc"	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpv'f " qp" 816 423; "
<b>RVC190509-03"</b> Eqcej gmc "Vtcxgn'Egpgt'g'Rtqlgev'	Eqo o gpv'Rgtkqf <718 423; "817 423; " Rwdrie "J gctkpi <7P IC"			
<b>Retail"</b>	Vj g'r tqr qugf "r tqlgev'eqpukuv'qh'eqputwewqp'qh'c"7.822/us wctg/hqqv'eqpqr { . "c"9.472/us wctg/hqqv' eqpxgplgpeg'utqg "c"3.972/us wctg/hqqv'ect'y cuj "utxleg. "c"3.: 22/us wctg/hqqv'tgucwcpv'cpf "c" i cuqrlpg'utxleg'ucv'kqp'y kj "32'r wo r u'qp"409'cetgu0Vj g'r tqlgevl'u'qecv'f'qp'yj g'uqwj y guv' eqtpgt'qh'T kgtuk' g' Cxgpwg'cpf "Tcpf cmi Cxgpwg0' <a href="#">jwr&lt;dy y y Qs o f f q x l f qeulf ghcwn/uvwteglegs cleqo o gpvngwtul423; llwpgIUDE3; 2743/340 f h'</a>	O kki cvgf " P gi c'v'g" F geritcvkqp"	Ek { 'qh'Tkcnq"	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpv'f " qp" 8I7 423; "
<b>SBC190521-12"</b> T'kgtuk' g' ( "Tcpf cmi I cu'Ucv'kqp"	Eqo o gpv'Rgtkqf <713; 423; "818 423; " Rwdrie "J gctkpi <7P IC"			

%/'Rtqlgev'j cu'r qv'p'k'n'gpxk'qpo gpv'n'lwn'leg'eqpegt'pu'f wg'v'q'yj g'pcwt'g'cpf lqt'iqecv'kqp'qh'yj g'r tqlgevl'

**ATTACHMENT B1"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WODGT"	RTQIGEV'VK/NG"	RTQIGEV'F GUET'R'VIQP "	V\ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVCVWU"
<b>General Land Use (residential, etc.)"</b> <b>LAC190510-01"</b> : yj .I tcpf "cpf "J qr g"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'f go qrikqp'qh'c'58.39: /us wctg/hqyv'r ctnkpi 'utwewtg.'cpf " eqputwewkp'qh'c'bo k'zgf /wug'dwkl'kpi 'qp'20 5'cetgu'y kj 'qpg'qh'y q'f'gxgnr o gpv'qr vkpu0Qr vkp" qpg'y knlpenw'g'eqputwewkp'qh'c'739.: : 3/us wctg/hqyv'dwkl'kpi 'y kj '769'tgukf'gpv'cn'wpku.'c" 59.438/us wctg/hqyv'uej qqn'cpf '9.6; ; 'us wctg'hggv'qh'eqo o gtekn'wug0Qr vkp'qpg'y knl'cnq'kpenw'g' 82.2: 2'us wctg'hggv'qh'qr gp'ur ceg0Qr vkp'y q'ku'c'pq/uej qqr'qr vkp'cpf 'y knlpenw'g'eqputwewkp" qh'c'76: .: 82/us wctg/hqyv'dwkl'kpi 'y kj '7: 2'tgukf'gpv'cn'wpku'cpf '9.6; ; 'us wctg'hggv'qh'eqo o gtekn' wug0Qr vkp'y q'y knl'cnq'kpenw'g'85.766'us wctg'hggv'qh'qr gp'ur ceg0Vj g'r tqlgev'ku'neqevgf "qp'y g" pqt'y y guv'eqtptgt'qh': yj "Utggv'cpf 'I tcpf 'C'xgpgw'kp'y g'eqo o wplw' 'qh'Egptcn'Ek'0' "	<a href="#">j wr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwpgNCE3; 2732/230 f h'</a> Eqo o gpv'Rgtkqf <7B2 423; /"8B3 423; " Rwdnle"J gctkpi <7I4; 423; "	P qv'eg'qh' Rtgr ctc'vkp"	Ek' 'qh'Nqu'Cpi grgu'	Uqwj 'Eqcu' CS O F 'l'ch' eqo o gpv'gf " qp" 8I6 423; "
<b>General Land Use (residential, etc.)"</b> <b>LAC190516-01"</b> Vj g'Etggn'cv'F qo kpi wgl 'J knu'Rtqlgev'	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqputwewkp'qh'72: .722'us wctg'hggv'qh'tgetgc'vkp.'j gcmj . 'h'kpguu." cpf 'y gnp'guu'wugu'qp": 9'cetgu0Vj g'r tqlgev'ku'neqevgf 'cv'562'O ct'vp'Nwj gt'Mkpi . 'I'0Utggv'qp'y g" pqt'y y guv'eqtptgt'qh'Gcu'F gni'Co q'Dqwgxctf 'cpf 'Uqwj 'C'xcm'p'Dqwgxctf 'y kj kp'y g'Ek' 'qh' Ectup0' Tghgtgpeg'NCE3: 2: 52/29"	<a href="#">j wr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwpgNCE3; 2738/230 f h'</a> Eqo o gpv'Rgtkqf <7B7 423; /"9B 423; " Rwdnle"J gctkpi <2P IC"	P qv'eg'qh' C'xck'rd'k'k' 'qh'c' F tch' Gpxk'qpo gpv'cn' K6 r'cev'Tgr qtv'	Eqw'p'v' 'qh'Nqu' Cpi grgu'	Uqwj 'Eqcu' CS O F 'l'ch' eqo o gpv'gf " qp" 8I47 423; "
<b>General Land Use (residential, etc.)"</b> <b>LAC190528-03"</b> Vj g'Cttq' { q'cv'O qptqxlc'U'cv'vkp" Ur gek'le'R'rcp"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqputwewkp'qh'524'tgukf'gpv'cn'wpku'cpf '9.2: 2'us wctg'hggv'qh' tgv'ck'wugu'qp'40 "cetgu0Vj g'r tqlgev'ku'neqevgf "qp'y g'uqwj gcu'v'eqtptgt'qh'Uqwj 'O ci pqr'c' 'C'xgpgw" cpf 'Gxgti ggp' 'C'xgpgw0' "	<a href="#">j wr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwpgNCE3; 274: /250 f h'</a> Eqo o gpv'Rgtkqf <7I44 423; /"8I3 423; " Rwdnle"J gctkpi <2P IC"	P qv'eg'qh' Rtgr ctc'vkp"	Ek' 'qh'O qptqxlc"	Uqwj 'Eqcu' CS O F 'l'ch' eqo o gpv'gf " qp" 8B3 423; "
<b>General Land Use (residential, etc.)"</b> <b>RVC190501-10"</b> O kni'Etggn'Rtqo gpcf g'Ur gek'le'R'rcp" P q04238/468"	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqputwewkp'qh'5: : 't'gukf'gpv'cn'wpku.'339.467'us wctg'hggv'qh' eqo o gtekn'wugu.'cpf '55.393'us wctg'hggv'qh'lpf wut'kn'r'ctn'k'p'c'590/ 'cetg'r'qt'vkp'qh'7: 0' 'cetgu0' Vj g'r tqlgev'y knl'cnq'kpenw'g'30'cetgu'qh'qr gp'ur ceg0Vj g'r tqlgev'ku'neqevgf "qp'y g'uqwj y guv' eqtpgt'qh'I ctdcpk'Tqcf 'cpf 'J cwp'Tqcf 0' Tghgtgpeg'TXE3: 2529/23."TXE393338/29."TXE392835/27."TXE383337/23."cpf 'TXE38252: /" 29"	<a href="#">j wr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwpgTXE3; 2723/320 f h'</a> Eqo o gpv'Rgtkqf <6I46 423; /"8I9 423; " Rwdnle"J gctkpi <2P IC"	F tch' Gpxk'qpo gpv'cn' K6 r'cev'Tgr qtv'	Ek' 'qh'O gpl'ggg"	Uqwj 'Eqcu' CS O F 'l'ch' eqo o gpv'gf " qp" 8I7 423; "

%/'Rtqlgev'j cu'r qv'p'cn'gpxk'qpo gpv'cn'l'wn'leg'eqe'gtpu'f wg'v'q'y g'p'cw'g'cpf 'kt'neq'vkp'qh'y g'r tqlgev'0'

**ATTACHMENT B1"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

<u>UQWJ 'EQCUV'CS OF 'NQI /R'P WODGT"</u>	<u>RTQIGEV'F GUET'R'VIQP "</u>	<u>V' RG'QH' FQE0'</u>	<u>NGCF 'CI GP E[ "</u>	<u>EQO O GP V' UVC VWU"</u>
<b>General Land Use (residential, etc.)"</b>				
<b>RVC190521-04"</b> F UT V'UWTH'Ur gekle'Rrnp"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qhi'eqpux'wev'q'p'qhi' : "t'gukf'gpv'kri'wplu'cpf "c"j qvgr'y kj "572"tqgo u" qp'c"707/cetg'r qt'v'q'p'qhi'3908; "cetgu0Vj g'r tqlgev'ku'iqecv'gf "qp"pqt'y y guv'eqtpgt'qhi'E'qwp'v { "Ennd" F t'kxg'cpf "Eqqni'Ut'ggv0' Tghgt'pge'g"TXE3; 2344/27" <a href="#">j wr&lt;ly y y Qs o f Q x lf qeulf ghrwn/uqwtg'egsc leqo o gpv'ngwtu423; llwn' IT'XE3; 2743/260 f h'</a> Eqo o gpv'Rgt'kqf <743423; /"917423; " Rwdrke"J gct'kpi <P IC"	F t'chn' Gpx'k'qpo gpvcn' K6 r'cev'Tgr'qtv'	Ek'v' "qhi'Rcm 'F'gugt'v'	Uqwj 'Eqcu'v' CS O F 'u'chH' eqo o gpv'gf " qp" 915423; "
<b>General Land Use (residential, etc.)"</b>				
<b>SBC190507-01"</b> Gky c'p'f'c"J g'k'j w'P'g'k'j d'q'tj q'q'f' (" " Eqpugt'xcv'q'p'Rrnp'Rtqlgev'	Vj g'r tqr qugf "r tqlgev'eqpukuu'qhi'eqpux'wev'q'p'qhi'5.222't'gukf'gpv'kri'wplu.3: 2.222'us wctg't'ggv'q'hi' eqo o gte'kri'wugu'cpf "t'g'ckri'wugu."cpf "672"cetgu'qhi'qr gp'ur'ceg'qp'c": 4: /cetg'r qt'v'q'p'qhi'6.5; 5" cetgu0Vj g'r tqlgev'y k'ni'cnu'q'lp'ew'f'g'c'ppgz'cv'q'p'qhi'6.2: : "cetgu'lt'qo 'E'qwp'v' "qhi'U'cp'Dgt'pct'f'lp'q'q" y'j g'E'k'v' "qhi'T'cpej q'E'weco q'pi c0Vj g'r tqlgev'ku'iqecv'gf "qp"y'j g'pqt'y y guv'eqtpgt'qhi'D'cug'N'k'p'g'T'qcf " cpf "J cxgp'C'xgpw'g0' Tghgt'pge'g"UDE3: 3434/23.'UDE3: 2324/2: .cpf "UDE392; 34/35" <a href="#">j wr&lt;ly y y Qs o f Q x lf qeulf ghrwn/uqwtg'egsc leqo o gpv'ngwtu423; llwpg'UDE3; 2729/230 f h'</a> Eqo o gpv'Rgt'kqf <64; 423; /"816423; " Rwdrke"J gct'kpi <P IC"	F t'chn' Gpx'k'qpo gpvcn' K6 r'cev'Tgr'qtv'	Ek'v' "qhi'T'cpej q" E'weco q'pi c"	Uqwj 'Eqcu'v' CS O F 'u'chH' eqo o gpv'gf " qp" 816423; "
<b>Plans and Regulations"</b>				
<b>LAC190528-02"</b> Qrk'x'g'X'k'gy /WENC'O g'f'k'c'ri'E'gp'vgt'" Eco r'wu'O'c'ugt'Rrnp"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qhi'f'g'x'g'nr o gpv'qhi'f'g'uk'p'i w'f'g'ri'p'gu."r'q'ri'ek'gu."cpf "r' t'qi t'co u'v'q" i w'f'g'eco r'wu'f'g'x'g'nr o gpv'y kj "c'p'gv'lp'et'g'cug'lp'd'w'f'k'p'p' "l'q'q'v' t'k'p'v'q'v'c'ri'p'i "305'o k'ri'q'p'us wctg" h'ggv'q'x'g't'c'r'g't'k'q'f' "qhi'42/r'nuu'f'g'c'tu0Vj g'r tqlgev'ku'iqecv'gf "cv'36667'Qrk'x'g'X'k'gy 'F t'k'x'g'qp'y'j g" pqt'y y guv'eqtpgt'qhi'M'g'p'p'g'f' { "T'qcf "cpf "Qrk'x'g'X'k'gy 'F t'k'x'g'lp'y'j g'eqo o w'p'k'v' "qhi'U'f'm'c't0' Tghgt'pge'g"NCE382629/34" <a href="#">j wr&lt;ly y y Qs o f Q x lf qeulf ghrwn/uqwtg'egsc leqo o gpv'ngwtu423; llwn' INCE3; 274: /240 f h'</a> Eqo o gpv'Rgt'kqf <745423; /"91: 423; " Rwdrke"J gct'kpi <818423; "	P'q'v'k'eg'q'hi' C'x'c'k'rd'k'k'v' "qhi'c" F t'chn' Gpx'k'qpo gpvcn' K6 r'cev'Tgr'qtv'	E'qwp'v' "qhi'N'qu" C'p'i'g'ru"	Uqwj 'Eqcu'v' CS O F 'u'chH' eqo o gpv'gf " qp" 915423; "
<b>Plans and Regulations"</b>				
<b>ORC190501-02"</b> T'cpej q'U'cp'v'O'c'ti'c't'k'c'I' g'p'g't'c'ri'Rrnp" W'f'c'v'g"	Vj g'r tqr qugf "r tqlgev'eqpukuu'qhi'w'f'c'v'g'u'q'q'j g'E'k'v' "u'I' g'p'g't'c'ri'Rrnp'eqpugt'xcv'q'p'cpf "qr'gp'ur'ceg." g'eqp'qo l'e'f'g'x'g'nr o gpv'rc'p'f'w'ug."p'q'k'ug."cpf "u'ch'g'v' "g'rgo g'p'w'y kj "c'r'rc'p'p'k'p'i "j'q't'k'q'p" { g'c't'q'hi'4262" qp": .829"cetgu0' Tghgt'pge'g"QTE3: 2723/24" " <a href="#">j wr&lt;ly y y Qs o f Q x lf qeulf ghrwn/uqwtg'egsc leqo o gpv'ngwtu423; llwpg'QTE3; 2723/240 f h'</a> Eqo o gpv'Rgt'kqf <644423; /"842423; " Rwdrke"J gct'kpi <P IC"	P'q'v'k'eg'q'hi' C'x'c'k'rd'k'k'v' "qhi'c" F t'chn' Gpx'k'qpo gpvcn' K6 r'cev'Tgr'qtv'	Ek'v' "qhi'T'cpej q" U'cp'v'O'c'ti'c't'k'c"	Uqwj 'Eqcu'v' CS O F 'u'chH' eqo o gpv'gf " qp" 842423; "

%/"Rtqlgev'j cu'r q'v'p'k'ri'g'p'x'k'q'p'o g'p'v'c'ri'w'w'leg'eq'p'g't'p'u'f'w'g'v'q'j g'p'c'w't'g'cpf l'q't'iq'ec'v'q'p'q'hi'y'j g'r tqlgev'0'

**ATTACHMENT B1"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS O F 'NQI / R'P W O DGT"	RTQIGEV'VK/NG"	RTQIGEV'F GUET R'VQKP "	V[ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'wr f cvgu'q"gzknkpi 'ncpf 'wug'f guki pcvkpu.'r qrtelgu.'tcknu.'cpf " tqcf 'ercukhlecvcpu.'cpf 'f gxgrqr o gpv'qh'f guki p'i wlf grkpgu'cpf " qpkpi 'tgs wktgo gpw'ht'hwmtg" eqpustwvkqp'qh'htgukf gpvknipgki j dqtj qqf u'qh'xct { kpi 'f gpuklgu.'eqo o gtekn'tgvckn'iki j vlpf wntkn" dwulpguu'r ctm'r wdrie'fcekklgu.'twcn'qr gp'ur ceg.'cpf 'tgetgcvkpcn'wugu'qp"4.442'cetgu0'Vj g" r tqlgev'ku'hqecvgf 'lp'wplpeqtr qtcvgf 'ctgcu'qh'Tkxgtukf g'Egwpv{ 'dgy ggp'Ekw{ 'qh'Rgttku'cpf 'Ncng" Gukpqtg'cnpi 'c'80 /o kg'ugi o gpv'qh'J ki j y c{ '960' <a href="#">j wr&lt;4y y Qs o f 0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgITXE3; 2737/230 fh'</a>	P qvleg'qh' Rtgr ctcvkqp"	Tkxgtukf g'Egwpv{ " Rrcppkpi " F gr ctvo gpv"	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpvgf " qp" 816423; "	
<b>RVC190515-01"</b> J ki j y c{ '96'Ego o wpx{ 'Rrcp"i RC'P q0 3427+"cpf\" qpg'Eqpukngpe{ 'Rtqi tco "	Ego o gpv'Rgtkqf <71: 423; /"8B2423; " Rwdrie'J gctkpi <7B8423; "				
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f gxgrqr o gpv'qh'f guki p'i wlf grkpgu'cpf 'lucpf ctf u'q'f wlf g'hwmtg" tgukf gpvkn'eqo o gtekn'cpf 'tgvckir' tqlgeu'y kj 'c'r rcpkpi 'j qtk qp" { gct'qh'42620Vj g'r tqlgev' gpeqo r cuugu'32607'cetgu'cpf 'ku'dqwpf gf 'd{ 'O qtgpq'Utggv'q'j g'pqtj . 'Egpvcri'Cxgpwg'q'j g" gcuv'fpgtucvg'32'q'j g'uwj . 'cpf 'O qpvg'Xknc'Cxgpwg'q'j g'y gu0' <a href="#">j wr&lt;4y y Qs o f 0 qx lf qeulf ghcnw/uqwtglegs c leqo o gpv'ngwtu423; llwpgIUDE3; 2743/320 fh'</a>	P qvleg'qh' Rtgr ctcvkqp"	Ekw{ 'qh'O qpverck"	Uqwj 'Eqcuv' CS O F 'luch' eqo o gpvgf " qp" 816423; "	
<b>SBC190521-10"</b> O qpverck'Rrcg'F kntlev'Ur gekhe'Rrcp"	Ego o gpv'Rgtkqf <742423; /"8B: 423; " Rwdrie'J gctkpi <744: 423; "				

%/'Rtqlgev'j cu'r qvkvkn'gpxkqpo gpv'n'lwneq'eqpegtpu'f wg'q'j g'pcwtg'cpf lqt'hqecvkp'qh'j g'r tqlgev0'



**ATTACHMENT B2\***  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS  
OR IS CONTINUING TO CONDUCT A CEQA REVIEW**

UQWJ 'EQCUV'CS OF "NQI /R'P WO DGT"	RTQIGEV'F GUET'RVIQIP "	V\ RG"QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
RTQIGEV'VK'NG"				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpntwekqp'qh'y tgg'dwrf lpi u'y kj "46: "t gukf gpvkn'wpku'qp" c" 703/cetg'r qtvkp'qh'4608: "cetgu0Vj g'r tqlgev'y kn'cnuq'lpnxf g'3: 0 9'cetgu'qh'qr gp'ur ceg0Vj g" r tqlgev'ku'hqecvgf 'qp'yj g'uqwj y gu'veqtpgt'qh'J cy yj qtpg'Dqwgxctf 'cpf 'Xlc 'Xcm qpvg0' Tghgtgpeg"NCE392: 23/27"	P qvleg'qh' Cxckrdkks' 'qh'c' F tch' Gpxktqpo gpvci' K0 r cevTgr qtv'	Eks' 'qh'Vqttcepeg"	Wpf gt" txxlgy . 'b c { " uwdok' y tkwgp" eqo o gpw"
<b>LAC190619-10"</b> Dwej gt/Uqirpc'T gukf gpvkn' F gxgrqr o gpv'Rtqlgev'	"  Eqo o gpv'Rgtlkf <8B: 423; "/": B8423; "			
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'f cngu'q'ij g'Eks'JuT gpgtcn'Rcp'Ncpf "Wug'Grgo gpv'cpf "Wtdcp" F guki p'Grgo gpv'q'i wkf g'hwatg'f gxgrqr o gpv'y kj "c'r ncpkpi 'j qtk qp" { gct'qh'42620Vj g'r tqlgev' gpeqo r cuugu'72'us wctg'o kngu'cpf 'ku'dqwpf gf 'd { "Ucvg'Tqwg"; 3'q'ij g'pqt yj . "Kpgtucvg'827'q'ij g" gcuv'Gcu'Qegcp'Dqwgxctf 'q'ij g'uqwj . 'cpf 'ucvg'tqwg'69'q'ij g'y gu0' Tghgtgpeg"NCE382; 35/28'cpf "NCE37273; /26"	Tgetewrvgf " F tch' Gpxktqpo gpvci' K0 r cevTgr qtv'	Eks' 'qh'Napi 'Dgcej "	Wpf gt" txxlgy . 'b c { " uwdok' y tkwgp" eqo o gpw"
<b>LAC190619-06"</b> I gpgtcn'Rcp'Ncpf "Wug'cpf "Wtdcp" F guki p'Grgo gpw'Rtqlgev'	"  Eqo o gpv'Rgtlkf <8B: 423; "/": B8423; "			
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'f gxgrqr o gpv'qh'c"eqwpv' y kf g'I gpgtcn'Rcp'y kj "hwm" eqo r qpgpw*3+c'E'eqwpv' 'Rqke { 'Rcp'q'f gxgrqr 'c'pgy 'r ncpkpi 'r qke { 'cpf 'er r tqcej 'q'eqwpv' " r ncpkpi . "4+c'E'eqo o wps { 'CevkpuT wkf g'q'f'cekkcvg'lo r rgo gpv'wkp. "5+c'E'eqwpv' 'Dwulpguu' Rcp'q'q'wkp'g' r qkekgu'cpf 'utcvgi kgu'ht' r tqxkf lpi 'o wplek cn'cpf 'tgi kpcn'ugtxlegu'cpf "6+c" Tgi kpcn'Kuugu'Hqtwo 'q'etgcvg'cp'qpnkg'tguqweg'q'ij ctg'eqwpv' y kf g'lpqto c'wkp0' Tghgtgpeg"UDE393239/25"	P qvleg'qh' Cxckrdkks' 'q' Cfqr v'c'Rtqi tco " Gpxktqpo gpvci' K0 r cevTgr qtv'	E'eqwpv' 'qh'Ucp" Dgtptcf lppq"	Wpf gt" txxlgy . 'b c { " uwdok' y tkwgp" eqo o gpw"
<b>SBC190619-05"</b> Ucp'Dgtptcf lppq'E'eqwpv' y kf g'Rcp"	"  Eqo o gpv'Rgtlkf <8B9423; "/": B7423; "			
<b>Warehouse &amp; Distribution Centers"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpntwekqp'qh'y q'y ctgi qwugu'q'vknpi '932.958'us wctg'hggv'qp" ; 50 7'cetgu0Vj g'r tqlgev'ku'hqecvgf 'qp'yj g'uqwj gcuv'eqtpgt'qh'P cpf kpc'Cxgpgw'cpf 'F c { 'Utggv'lp" yj g'eqo o wps { 'qh'O gcf 'Xcng {0'	P qvleg'qh' Rtrg ctc'wkp"	E'eqwpv' 'qh'Tkgtul' g'	Uqwj 'Eqcu' CS OF 'uch' eqo o gpvgf " qp" 94423; "
<b>RVC190621-01"</b> Qngcpf gt'Dwulpguu'Rctni'Rtqlgev'	"  <a href="#">jwr&lt;4ly y y Qso f0 qxlf qeulf gh'wn/uqwtg'legs c'eqo o gpv'ngwtu423; llwn' ITXE3; 2843/230 f h'</a> Eqo o gpv'Rgtlkf <87423; "/": 97423; "			
<b>Warehouse &amp; Distribution Centers"</b>	Vj g'r tqr qugf 'r tqlgev'eqpuknu'qh'eqpntwekqp'qh'c'64: .952/us wctg'hqgv'y ctgi qwug'qp'460'cetgu0' Vj g'r tqlgev'ku'hqecvgf 'qp'yj g'pqt yj gcuv'eqtpgt'qh'Tco qpc'Gzr tguuy c { 'cpf 'kpf lcp'Cxgpgw0'	O kki cvgf " P gi c'kxg" F gen'c'wkp"	Eks' 'qh'Rgttku"	Uqwj 'Eqcu' CS OF 'uch' eqo o gpvgf " qp" 9B4423; "
<b>RVC190625-05"</b> Kf Kkpf lcp'Cxgpgw'cpf 'Tco qpc" Gzr tguuy c { "Y ctgi qwug'Rtqlgev'	" " "  <a href="#">jwr&lt;4ly y y Qso f0 qxlf qeulf gh'wn/uqwtg'legs c'eqo o gpv'ngwtu423; llwn' ITXE3; 2847/270 f h'</a> Eqo o gpv'Rgtlkf <843423; "/": 944423; "			

\*Sorted by Comment Status, followed by Land Use, then County, then date received."

%/'Rtqlgev'j cu'r qvgn'kn'gpxktqpo gpvci'wn'leg'eqpegtpu'f wg'q'ij g'pcwtg'cpf lqt'hqec'wkp'qh'ij g'r tqlgev0'

**ATTACHMENT B2"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WO DGT"	RTQIGEV'F GUET'RVIQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
RTQIGEV'VK/NG"				
<b>Industrial and Commercial</b>				
<b>LAC190620-03"</b> Nqpi 'Dgcej 'Vgto kpcnK r tqxgo gpv' Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'lo r tqxgo gpw'v'g'zknkpi 'Nqpi 'Dgcej 'etwug'v'gto kpcn'v'q" ceeqo o qf cvg'xti g'etwug'v'j k' u'y kj 'c'ecr cek' 'qh'6.22: 'r cuugpi gtu0Vj g'r tqlgev'y knlpenw'f g" f tgf i kpi 'g'zknkpi 'dgtv' 'q'c'f ggr gt'f gr y' 'Itqo '52'lgg'v'q'59'lgg'v'eqputwewqp'qh'v'y q' o qqt kpi " f qnr j kpu'ecvy cmu'c'r cuugpi gt'y cmy c{ 'dtkf i g'g'zgpukqp.'cpf 'lgpf gt'f'gr rcego gpw'g'zr cpukqp'qh' g'zknkpi 'r ctnkpi 'ecr cek' 'Itqo '3.652'ur cegu'v'q'4.277'ur cegu'cpf 'tgeqph' wcvkqp'qh'v'clt'le'itpgu0' Vj g'r tqlgev'ku'iqecv'g'f'c'v'453'Y kpf uqt'Y c{ 'c'v'Rlgt'J 'cf lcegpv'v'q'TO U'S wggp'O ct{ 'y kj k'p'v'j g" S wggp'O ct{ 'Ugcr qtv'v'p'v'j g'Rqtv'qh'Nqpi 'Dgcej 0' <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn' INCE3; 2842/25' 420 f'h"</a> Eqo o gpv'Rgtlkf <842423; /"9B; 423; " Rwdrle'J gctkpi <'P IC"	O kki cvgf " P gi c'v'kg" F gertc'v'kqp"	Eks' 'qh'Nqpi 'Dgcej "	Uqwj 'Eqcuv' CS O F 'v'clt'h' eqo o gpv'g'f " qp" 9B; 423; "
<b>Waste and Water-related</b>				
<b>LAC190613-06"</b> Gcu'Y guv'Xcng{ 'l'p'v'tegr vqt'Ugy gt" Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqputwewqp'qh'37.9: 7'itpgct'lgg'v'qh'r k' g'rkpg'g'cpi kpi 'lp'f'kco gvg'f" Itqo '46'v'q'6: 'l'pej gu0Vj g'r tqlgev'ku'iqecv'g'f'c'mpi 'X'le'v'q'k'c'Dqwg'xctf 'dgy ggp'X'lp'grcpf 'C'xgpw'g' cpf 'J cun'gm'c'xgpw'g'lp'v'j g'eqo o w'p'k'v'g'v'qh'P qtv'J qm'y qqf /"Xcng{ 'X'k'm'c' g'cpf 'X'cp'P w'f' u/" P qtv'J'Uj gto cp'Qcmu0' Tghgt'gpeg'NCE3; 2347/25" <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn' INCE3; 2835/280 f'h"</a> Eqo o gpv'Rgtlkf <8B5423; /"9B4; 423; " Rwdrle'J gctkpi <'9B3423; "	F tch' Gpxk'qpo gpcn' K r cev'T gr qtv'	Eks' 'qh'Nqu'Cpi gngu'	Uqwj 'Eqcuv' CS O F 'v'clt'h' eqo o gpv'g'f " qp" 9B47423; "
<b>Waste and Water-related</b>				
<b>ORC190619-03"</b> Vcndgt'v'G'z'tcev'kqp'Y gni' Fgeqo o kuukp'kpi 'Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f go q'rk'kqp'cpf 'f'geqo o kuukp'kpi 'qh'v'g'xgp'g'z'tcev'kqp'v'g'mu'c'p'f" cuuqek'cv'g'f' r k' g'rkpgu'cpf 'eqputwewqp'qh'q'pg'o q'p'k'v'q'tkpi 'y gnu0Vj g'r tqlgev'ku'iqecv'g'f'lp'xct'k'qwu" iqecv'kpu'c'mpi 'C'f co u'c'xgpw'g'cpf 'l'p'f'k'p'c'r q'rk'v'c'xgpw'g'p'gct'O ci p'q'rk'U'it'ggv'cpf 'p'gct'y g" k'p'v'tugev'kqp'qh'D'w'g't'g'g'h'f'k'x'g'cpf 'U'c'p'v'c'p'c'T'k'x'g't'y kj k'p'v'j g'Ek'f' 'qh'J w'p'k'pi v'q'p'Dgcej 0' " <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn' IQTE3; 283; /250 f'h"</a> Eqo o gpv'Rgtlkf <8B9423; /"9B9423; " Rwdrle'J gctkpi <': 43423; "	P q'v'leg'qh'f'p'v'g'p'v' v'q'c'f q'r v'c' " O kki cvgf " P gi c'v'kg" F gertc'v'kqp"	Qtcpi g'Eqw'p'v'f " Y cvgt'F'k'ut'lev"	Uqwj 'Eqcuv' CS O F 'v'clt'h' eqo o gpv'g'f " qp" 9B423; "
<b>Transportation</b>				
<b>LAC190619-01"</b> P qtv'J' qm'y qqf 'v'q'Rcuf'gpc'Dwu" Tcr k'f' 'V'c'p'uk'v'Eqttk'f'qt'Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'eqputwewqp'qh'c'p'3: /o k'g'd'wu't'c'r k'f' 't'c'p'uk'v'k'p'g'cpf'3: 'v'q'43" u'v'c'v'kpu'ltqo 'v'j g'eqo o w'p'k'f' 'qh'P qtv'J' qm'y qqf 'lp'v'j g'Ek'f' 'qh'Nqu'Cpi gngu'v'q'v'j g'Ek'f' 'qh' R'cuf'gpc0Vj g'r tqlgev'ku'f' g'p'g't'cm'f'iqecv'g'f'c'mpi 'U'c'v'g'T'q'w'g'356'cpf 't'c'x'g't'ugu'v'j t'q'w'j 'v'j g'ek'k'gu" qh'Nqu'Cpi gngu' D'w'd'c'p'm' T'ng'p'f'c'rg.'cpf 'R'cuf'gpc0' " <a href="#">j wr&lt;ly y y Qs o f 0 qx lf qeulf gh'wn/uqwtg'legsc leqo o gpv'ngwtu423; llwn' INCE3; 283; /230 f'h"</a> Eqo o gpv'Rgtlkf <8B9423; /"9B5423; " Rwdrle'J gctkpi <'9B9423; "	P q'v'leg'qh' R'tgr'ct'ev'kqp"	Nqu'Cpi gngu' Eqw'p'v'f " O g't'qr q'rk'x'cp" V'c'p'ur q't'c'v'kqp" C'w'j q't'k'f "	Uqwj 'Eqcuv' CS O F 'v'clt'h' eqo o gpv'g'f " qp" 9B423; "

%/'Rtqlgev'j cu'r q'v'p'k'v'c'n'g'p'x'k'q'p'o g'p'v'c'n'l'w'x'leg'eq'p'g't'p'u'f'w'g'v'q'v'j g'p'c'w't'g'cpf' l'q't'iq'ec'v'kqp'qh'v'j g'r tqlgev'0'



**ATTACHMENT B2"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS O F 'NQI /R'P W O DGT"	RTQIGEV'VK/NG"	RTQIGEV'F GUET'R'VQKP "	V\ RG'QH' F QE0'	NGCF 'CI GP E[ "	EQO O GP V' UVCVWU"
<b>Institutional (schools, government, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqput wevkqp'qh'c'98.5; 2/us wctg/hqyv'dwrf lpi 'y kj '46" erc'utqgo u'q'cee'qo o qf cvg'822'uwf gpw'qp'3087'cetgu0Vj g'r tqlgev'ku'qecv'gf 'qp'yj g'uqwj y guv' eqtpgt'qh'Y guv'3uv'Utggv'cpf 'Uqwj 'O cf kuqp'Cxgpw'g0' "	O kki cvgf " P gi cv'xg" F gerctcv'kqp"	Nqu'Cpi grgu" Wpkl'gf 'Uej qqnl' F kntlev"	Uqwj 'Eqcu' CS O F 'l'vclh' eqo o gpv'gf " qp" 915423; "	
<b>LAC190607-04"</b> Tlug'Mqj { cpi 'J ki j 'Uej qqnl'	<a href="#">j wr&lt;ly y y Qso f 0 qx lf qeulf gh:wn/uqwtglegs c leqo o gpv'rgwtu423; llwn\ INCE3; 2829/260 f h"</a> Eqo o gpv'Rgtlkf <8132423; /"9132423; " Rwdrle'J gctkpi <8139423; "				
<b>Retail"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrk'kqp'qh'cp'gz'kukpi '77.762/us wctg/hqyv'ut wev'wt g'cpf " eqput wevkqp'qh'c'72.; 93/us wctg/hqyv't g'vcl'cpf 'c'wqo qd'kg'ugt'xleg'dwrf lpi 'qp'60 'cetgu0Vj g' r tqlgev'ku'qecv'gf 'cv'3497'Dtkuqn'Utggv'p'gct'yj g'pqt'yj y guv'eqtpgt'qh'Dtkuqn'Utggv'cpf 'T gf 'J kni' Cxgpw'g0' "	O kki cvgf " P gi cv'xg" F gerctcv'kqp"	Ek\ 'qh'E'quv'O guc"	Uqwj 'Eqcu' CS O F 'l'vclh' eqo o gpv'gf " qp" 9134423; "	
<b>LAC190625-06"</b> Hrgej gt 'Lqpgu'Cwf KCwqo qv'xg" F g'cgtuj kr "Rrpplpi 'Crr r'kecv'kqp"/"3; /" 32+" "	<a href="#">j wr&lt;ly y y Qso f 0 qx lf qeulf gh:wn/uqwtglegs c leqo o gpv'rgwtu423; llwn\ INCE3; 2847/280 f h"</a> Eqo o gpv'Rgtlkf <8147423; /"9137423; " Rwdrle'J gctkpi <8134423; "				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqput wevkqp'qh'c'463.976/us wctg/hqyv'dwrf lpi 'y kj '3; 4'ugplqt" t'gukf gpv'cln'wplu'qp'4044'cetgu0Vj g'r tqlgev'ku'qecv'gf 'p'gct'yj g'uqwj gcu'eqtpgt'qh'Y guv'Qn' o r le" Dqwg'xctf 'cpf 'Mgty qqf 'Cxgpw'g'lp'yj g'eqo o wplv' 'qh'Y guv'Nqu'Cpi grgu0' "	P qv'leg'qh' Rtrg'ctcv'kqp"	Ek\ 'qh'Nqu'Cpi grgu'	Uqwj 'Eqcu' CS O F 'l'vclh' eqo o gpv'gf " qp" 914423; "	
<b>LAC190613-02"</b> Ugplqt'Tgukf gpv'cln'Eqo o wplv' 'cv'Vj g" Dgny qqf "	<a href="#">j wr&lt;ly y y Qso f 0 qx lf qeulf gh:wn/uqwtglegs c leqo o gpv'rgwtu423; llwn\ INCE3; 2835/240 f h"</a> Eqo o gpv'Rgtlkf <8134423; /"9134423; " Rwdrle'J gctkpi <8148423; "				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'f go qrk'kqp'qh'f'p'gz'kukpi 't'gukf gpv'cln'ut wev'wt g'cpf "eqput wevkqp" qh'ukz't'gukf gpv'cln'wplu'qp'3080'cetgu0Vj g'r tqlgev'ku'qecv'gf 'cv'4'Xlc'Vgttce'crgv'qp'yj g'pqt'yj y guv' eqtpgt'qh'E'qv'F g'Ecl c'F t'kxg'cpf 'Xlc'Vgttce'crgv'lp'yj g'eqo o wplv' 'qh'E'qv'F g'Ecl c0' "	P qv'leg'qh' Rtrg'ctcv'kqp"	Qtcp' g'E'qwpv' " F gr ctv' gpv'qh' Rwdrle'Y qtmu'	Uqwj 'Eqcu' CS O F 'l'vclh' eqo o gpv'gf " qp" 914423; "	
<b>ORC190619-02"</b> Xlc'Vgttce'crgv'"Rrpplpi 'Crr r'kecv'kqp" P q0RC"3; /2232+" "	<a href="#">j wr&lt;ly y y Qso f 0 qx lf qeulf gh:wn/uqwtglegs c leqo o gpv'rgwtu423; llwn\ IQTE3; 283; /240 f h"</a> Eqo o gpv'Rgtlkf <8132423; /"9133423; " Rwdrle'J gctkpi <813: 423; "				
<b>General Land Use (residential, etc.)"</b>	Vj g'r tqr qugf 'r tqlgev'eqpukuv'qh'eqput wevkqp'qh' : 't'gukf gpv'cln'wplu'cpf 'c'j qv'cl'y kj '572'tqgo u' qp'c'707/cetg'r qt'v'kqp'qh'3908; 'cetgu0Vj g'r tqlgev'ku'qecv'gf 'qp'pqt'yj y guv'eqtpgt'qh'E'qwpv' { 'E'nd" F t'kxg'cpf 'Eqqnl'Utggv'0' Tgh'gt'p'eg'TXE3; 2344/27" "	F t'cln' Gpx'k'qpo gpv'cln' K0 r'cev'Tgr'qtv'	Ek\ 'qh'Rcm 'F gugtv'	Uqwj 'Eqcu' CS O F 'l'vclh' eqo o gpv'gf " qp" 915423; "	
<b>RVC190521-04"</b> F UT V'UWTHU' r gekle'Rrpp"	<a href="#">j wr&lt;ly y y Qso f 0 qx lf qeulf gh:wn/uqwtglegs c leqo o gpv'rgwtu423; llwn\ ITXE3; 2743/260 f h"</a> Eqo o gpv'Rgtlkf <7143423; /"917423; " Rwdrle'J gctkpi <2P IC"				

%/'Rtqlgev'j cu'r qv'p'cln'gp'x'k'qpo gpv'cln'w'v'leg'eq'p'g't'p'u'f w'g'v'q'yj g'p'cw't'g'cpf l'qt' h'q'ecv'kqp'qh'yj g'r tqlgev'0'

**ATTACHMENT B2"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF 'NQI /R'P WODGT"	RTQIGEV'F GUET'RVIQP "	V\ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V" UVC VWU"
RTQIGEV'VK/NG"				
<b>General Land Use (residential, etc.)"</b> <b>SBC190606-04"</b> Qtcpj g'Cxgpgw'Nwzwt { 'Cr ctvo gpw" Rtqlgev"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f'eqpuxwe'v'kp'qh'c'428.544/us wctg/hqvd'w'kf lpi 'y kj '54: " tgu'f'gp'v'k'n'w'p'k'u'q'p'430 6'cetgu'Vj g'r tqlgev'ku'hqecv'g'f'q'p'y'j g'p'q't'y'j 'c'p'f' 'u'q'w'j' 'u'k'f'g'u'q'h'Q'tc'p'i'g' Cxgpgw'g'w'y'g'p'p'C'r'd'c'o'c'U't'g'g'v'c'p'f' 'K'y'c'U't'g'g'v'0' " <a href="#">jwr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legs c leqo o gpv'ngwtu423; llw'f' IJDE3; 2828/260 f h'</a> Eqo o gpv'Rgtlqf <817423; /"917423; " Rwdrle'J gctkpi <2P IC"	P qv'leg'q'h'f'p'v'g'p'v'q' 'C'f'q'r'v'c' " O k'k'i'c'v'g'f' " P g'i'c'v'k'g' " F g'e'n't'c'v'k'p'p'	Ek'f' 'q'h'T'g'f' r'c'p'f' u'	U'q'w'j' 'E'q'c'u'v' 'C'S' O'F' 'u'c'h'i' 'e'q'o' o' g'p'v'g'f' " q'p' " 914423; "
<b>Plans and Regulations"</b> <b>LAC190528-02"</b> Q'rk'g'X'k'g'y' /W'ENC'O'g'f' l'ec'n'E'g'p'v'g't' " Eco' r'w'u'O'c'u'v'g't' 'R'ic'p'	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f'g'x'g'r'r'o' gpv'q'h'f'g'u'k'i'p'i' w'k'f'g'p'g'u' 'r'q'r'el'g'u' 'c'p'f' 'r' 't'q'i' 't'c'o' u' 'q' " i' w'k'f'g' 'e'c'o' r'w'u'f'g'x'g'r'r'o' gpv'y'k'j' 'c' 'p'g'v'l'p'et'g'c'u'g' 'l'p' 'd'w'k'f' lpi 'l'q'q'r' 't'p'v' 'q'v'c'r'k'p'i' '305' 'o' k'k'k'p' 'u's' w'c't'g' " l'g'g'v'q'x'g't' 'c' 'r' 'g't'l'q'f' 'q'h'42/r'w'u' { 'g'c't'u'0'Vj g'r tqlgev'ku'hqecv'g'f' 'c'v'36667'Q'rk'g'X'k'g'y' 'F' 't'k'x'g' 'q'p' 'y'j' g' " p'q't'y'j' g'c'u'v'eq't'p'g't' 'q'h'M'g'p'p'g'f' { 'T'q'c'f' 'c'p'f' 'Q'rk'g'X'k'g'y' 'F' 't'k'x'g' 'l'p' 'y'j' g' 'e'q'o' o' w'p'k'v' { 'q'h'U' { 'm' 'c't'0' 'T'g'h't'g'p'eg'NCE382629/34" <a href="#">jwr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legs c leqo o gpv'ngwtu423; llw'f' INCE3; 274; /240 f h'</a> Eqo o gpv'Rgtlqf <745423; /"91423; " Rwdrle'J gctkpi <818423; "	P qv'leg'q'h' C'x'c'k'v'd'k'k'v' 'q'h'c' " F' 't'c'h' " G'p'x'k't'q'p'o' g'p'v'c'n' 'K'o' r'c'ev'T'g'r'q't'v'	E'q'w'p'v' 'q'h'N'q'u' " C'p'i'g'r'u' "	U'q'w'j' 'E'q'c'u'v' 'C'S' O'F' 'u'c'h'i' 'e'q'o' o' g'p'v'g'f' " q'p' " 915423; "
<b>Plans and Regulations"</b> <b>LAC190611-03"</b> O'q'p'v'g't'g' { 'R'c't'n'i'H'q'ew'g'f' 'I' 'g'p'g't'c'n'R'ic'p' " W'f'f'c'v'g' "	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f'w'f'c'v'g'u' 'q' 'y'j' 'g' 'T' 'g'p'g't'c'n'R'ic'p' 'r'c'p'f' 'w'g' 'g'r'g'o' gpv'v'q' 'l'g'o' q'x'g' 'i' 't'q'y' 'y'j' " e'q'p'v'q'n'l' q'p'k'p'i' 'c'p'f' 'e't'g'c'v'g' 'r'c'p'f' 'w'g' 'r' 'q'r'el'g'u' 'q' 'c'w't'c'ev'g'eq'p'q'o' l'e' 'c'p'f' 'j' 'q'w'ul'p'i' 'T' 'g'x'g'r'r'o' gpv'y'k'j' 'c' " r' 'r'c'p'p'k'p'i' 'j' 'q't'k' q'p' " { 'g'c't' 'q'h'42620'Vj g'r tqlgev'g'p'eq'o' r'c'u'g'u'6.492'cetgu'c'p'f' 'k'u'd'q'w'p'f'g'f' 'd' { 'K'p'v'g't'w'c'v'g' " 32'v'q' 'y'j' g'p'q't'y'j' . 'E'k'f' 'q'h'T'q'u'g'o' g'c'f' 'q' 'y'j' g' 'g'c'u'v' 'U'c'v'g' 'T'q'w'g'82'v'q' 'y'j' g' 'u'q'w'j' . 'c'p'f' 'K'p'v'g't'w'c'v'g'932'v'q' " y'j' g' 'y' g'u'w'0' 'T'g'h't'g'p'eg'NCE3; 2638/26" <a href="#">jwr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legs c leqo o gpv'ngwtu423; llw'f' INCE3; 2833/250 f h'</a> Eqo o gpv'Rgtlqf <8132423; /"9147423; " Rwdrle'J gctkpi <2P IC"	F' 't'c'h' " G'p'x'k't'q'p'o' g'p'v'c'n' 'K'o' r'c'ev'T'g'r'q't'v'	Ek'f' 'q'h'O'q'p'v'g't'g' { " R'c't'n'i' "	U'q'w'j' 'E'q'c'u'v' 'C'S' O'F' 'u'c'h'i' 'e'q'o' o' g'p'v'g'f' " q'p' " 9147423; "
<b>Plans and Regulations"</b> <b>LAC190614-03"</b> F'q'y'p'v'q'y'p' 'D'g'n't'r'q'y'g't' 'V't'c'p'k'u'Q't'l'g'p'v'g'f' " F'g'x'g'r'r'o' gpv'U'r'g'ek'h'e' 'R'ic'p' "I' RC'3; /24+,"	Vj g'r tqr qugf 'r tqlgev'eqpukuu'qh'f'g'x'g'r'r'o' gpv'q'h'f'g'u'k'i'p' 'u'c'p'f'c't'f' u'c'p'f' 'c'o' g'p'f' o' g'p'u' 'q' 'r'c'p'f' 'w'g' " c'p'f' 'l' q'p'k'p'i' 'f'g'u'k'i'p'c'v'k'p'u' 'q' 'i' w'k'f'g'c'p'f' 'r' 't'q'o' q'v'g' 'u'c'p'k'u' 'u'w'r'q't'v'k'g' 'r'c'p'f' 'w'g'u' 'q'p'622'cetgu'0'Vj g' " r' 't'q'l'g'ev' 'k'u' 'h'q'ec'v'g'f' 'q'p' 'y'j' g' 'u'q'w'j' y' g'u'v'eq't'p'g't' 'q'h'T'g'p'f'c'r'k' 'U't'g'g'v'c'p'f' 'Y'q'q'f' 't'w'h'i' 'C'x'g'p'w'g'0' " " <a href="#">jwr&lt;dy y y Q'so f 0 qx lf qeulf gh'wn/uqwtg'legs c leqo o gpv'ngwtu423; llw'f' INCE3; 2836/250 f h'</a> Eqo o gpv'Rgtlqf <8135423; /"915423; " Rwdrle'J gctkpi <9137423; "	P'g'i'c'v'k'g' " F'g'e'n't'c'v'k'p'p' "	Ek'f' 'q'h'D'g'n't'r'q'y'g't' "	U'q'w'j' 'E'q'c'u'v' 'C'S' O'F' 'u'c'h'i' 'e'q'o' o' g'p'v'g'f' " q'p' " 914423; "

%/ 'Rtqlgev'j' cu'r' q'v'p'k'n'g'p'x'k't'q'p'o' g'p'v'n'l'w'w'leg' 'e'q'p'g't'p'u'f'w'g' 'q' 'y'j' g' 'p'c'w't'g'c'p'f' 'l'q't' 'h'q'ec'v'k'p' 'q'h' 'y'j' g' 'r' 't'q'l'g'ev'0'

**ATTACHMENT B2"**  
**ONGOING ACTIVE PROJECTS FOR WHICH SOUTH COAST AQMD HAS**  
**OR IS CONTINUING TO CONDUCT A CEQA REVIEW"**

UQWJ 'EQCUV'CS OF 'NQI / R'P WODGT"	RTQIGEV'F GUET RVIQP "	V[ RG'QH' FQE0'	NGCF 'CI GP E[ "	EQO O GP V' UVC VWU"
<b>Plans and Regulations"</b>	Vj g'r tqr qugf 'r tqlgeveqpuwu'qh'gz go r vqpu'ht "c"3.222/cetg'vcpuk/xknci g'r rppkpi 'ctgc'ltqo " vj g'Ekw'lu' gpgtcn'Rncp'r tqxkukpu' qplpi . 'cpf 'r rppkpi 'tgs vktgo gpw'lp'ceeqtfcpeg'y kj "vj g" xqvg/crr tqxgf 'lpkcvkxgu0Vj g'r tqlgevl'u'neevgf "cnpi "Y guvTgf rcpf u'Dqwgxctf "cpf "ku'dqwpf gf " d{ 'Gcuv'Egnqp'Cxgpwg"q"vj g'pqtvj . 'Lwf uqp'Utggv"q"vj g'gcuw"cpf "Y guv'Hgtp'Cxgpwg"q"vj g" uqwj . 'cpf "Cncdco c'Utggv"q"vj g'y guv0'	P qvleg"qh" Rtrgctc'vqp"	Ekw' 'qh'Tgf rcpf u"	Uqwj 'Eqcuv' CS O F 'vclh' eqo o gpvgf " qp" 91; 423; "
<b>SBC190625-04"</b> Dcmqv'lpkcvkxg'tg'Xqvg'Cr r tqxgf " Ncpf "Wug'lpkcvkxgu'O gcuwtgu'W.P. " cpf "Rtqr quklqp"T"	<a href="#">jwr&lt;dy y y l'so f fl qxlf qeulf ghcnw/uqwtglegs c leqo o gpvngvgtu423; llwn lUDE3; 2847/260 f h"</a> Eqo o gpvRgtlqf <813; 423; "/913; 423; " Rwdrie"J gctkpi <848423; "			

%/ "Rtqlgev'j cu'r qvgp'kcn'gpxktqpo gpvcl'wvleg'eqpegtpu'f wg'q"vj g'pcwtg'cpf lqt'neevkqp'qh'vj g'r tqlgevl'

**ATTACHMENT C1**  
**ACTIVE SOUTH COAST AQMD LEAD AGENCY PROJECTS**  
**THROUGH JUNE 30, 2019**

RTQLGEV'F GUETRVIQP "	RTQRQP GP V"	V[ RG'QH' F QEWO GP V"	UVC VWU"	EQP UWNVCP V"
Vj g'Rj knkr u'88" hqto gtnf "EqpqqRj knkr u+Nqu'Cpi grgu'Tghkpgt { " Wntc'Nqy "Uwhtw'F kgugnr tqlgev'y cu'qtki kpcmf "r tqr qugf "vq" eqo r n{ 'y kj 'hgf gtcn'wcv'cpf "Uqwj 'Eqcu'CS O F 'tgs wktgo gpw' vq'iko k'vj g'uwhtw'eqpvgpv'qh'f kgugnrhwgu0Nkki cvkqp'tgi ctf lpi 'y g' EGS C'f qewo gpv'y cu'hkrgf 0Wnko cvgn{ 'y g'Ecrkhtpke"Uwr tgo g" Eqwtv'eqpenmf gf 'y cv'y g'Uqwj 'Eqcu'CS O F 'j cf "wugf "cp" kpcr r tqr tlcvg'dcugrkpg'cpf 'f kgevgf 'y g'Uqwj 'Eqcu'CS O F 'vq" r tgr ctg'cp"GKT. "gxgp'y qwi j 'y g'r tqlgev'y cu'dggp'dwkn'cpf 'j cu' dggp'kp'qr gtcvqp'ulpeg'42280Vj g'r wtr qug'qh'y ku'EGS C" f qewo gpv'ku'vq'eqo r n{ 'y kj 'y g'Uwr tgo g'Eqwtv'u'f kgevgf'vq" r tgr ctg'cp"GKT0"	Rj knkr u'88" hqto gtnf " EqpqqRj knkr u+Nqu'Cpi grgu' Tghkpgt { "	Gpxktqpo gpwcn' Kõ r cevTgr qtv' *GKT+ "	Vj g'P qvleg'qh'Rtgr ctcvqp'lkpkkcn'Uwuf { " *P QRIRU+y cu'ekewwv'gf "hqt'c'52/f c{ " r wdrie"eqo o gpv'r gtlkf "qp'O ctej "48." 4234"vq'Cr tki'48."42340Vj g'eqpuwncpv' uwdõ kwgf 'y g'cf o kpkntcvkxg'F tch'GKT" vq'Uqwj 'Eqcu'CS O F 'kp'wv'lwuf " 42350Vj g'F tch'GKT'y cu'ekewwv'gf " hqt'c'67/f c{ 'r wdrie'tgxkgy "cpf " eqo o gpv'r gtlkf "htqo "Ugr vgo dgt'52." 4236"vq'P qxgo dgt'35."42360Vy q" eqo o gpv'hwgtu'y gtg'tgegkxgf "cpf 'y g" eqpuwncpv'j cu'r tgr ctgf 'tgr qpugu'vq" eqo o gpw0Uqwj 'Eqcu'CS O F 'wchh' j cu'tgxkgy gf "y g'tgur qpugu'vq" eqo o gpw'cpf 'r tqxkf gf "gf ku0""	Gpxktqpo gpwcn'Cwf kw." kpe0'
S wgo gveq'ku'r tqr qukpi "vq"o qf kh{ "gzknkpi "Uqwj 'Eqcu'CS O F " r gto ku'vq'cmqy "y g'hckkx{ "vq'tge{ eng'o qtg'dcwtkgu'cpf "vq" grko kpcv'vq'g'gzknkpi 'f ckn{ 'kf ng'wõ g'qh'y g'hwtpcegu0Vj g" r tqr qugf "r tqlgev'y knlpetgcug'y g'tqvct{ 'hggf 'f t{ lpi 'hwtpceg'hggf " tcv'iko k'htqo "822"vq'972"vqu'r gt'f c{ 'cpf 'lpetgcug'y g'co qwpv' qh'vqcn'eqng'o cvgtkn'cmqy gf "vq'dg'r tqegugf 0kp'cf f kkp. "y g" r tqlgev'y knl'cmqy "y g'wug'qh'r gvtqrgwo "eqng'kp'hw'qh'qt'kp" cff kkp'vq'ecrekpgf "eqng. "cpf 'tgo qxg'qpg'gzknkpi "go gti gpe{ " f kgugr/hwgrgf "kpvgtpcn'eqo dwukqp"gpi kpg"*KEG+cpf "lpwcn'y q" pgy "go gti gpe{ "pcwtcn{ cu/hwgrgf "KEGu0"	S wgo gveq"	Gpxktqpo gpwcn' Kõ r cevTgr qtv' *GKT+ "	C'P qvleg'qh'Rtgr ctcvqp'lkpkkcn'Uwuf { " *P QRIRU+y cu'tgrgcugf "hqt'c'78/f c{ " r wdrie'tgxkgy "cpf "eqo o gpv'r gtlkf " htqo "Cwi wuv'53."423: "vq'Qevqdg'47." 423: . "cpf "376"eqo o gpv'hwgtu'y gtg" tgegkxgf 0Vy q'EGS C'ueqr kpi " o ggkpi u'y gtg'j grf "qp'Ugr vgo dgt'35." 423: "cpf "Qevqdg'33."423: "kp'y g" eqo o wpk{ 0Uqwj 'Eqcu'CS O F 'wchh' ku'tgxkgy kpi "y g'eqo o gpw'tgegkxgf 0"	Vtkpk{ "" Eqpuwncpvu"
Vguqtq'ku'r tqr qukpi "vq'tgxkug'y g'r tqlgev'qtki kpcmf "cpn{   gf "kp" yj g'Hkpcn'Gpxktqpo gpwcn'Kõ r cevTgr qtv'htq' yj g'O c{ "4239"Vguqtq" Nqu'Cpi grgu'Tghkpgt { "Kpvgi tcvkqp'cpf "Eqo r rkepeg'Rtqlgev' *NCTKE+vk'cf lwuv'y g'eqpwt wv'vq'uej gf wrg'cpf "vq"o qf kh{ "ku" Vkwrg'X'r gto k'vq'<3+tgngcv'vq' g'r tqr cp'g'tgeqxt { "eqo r qp'gpv'qh' yj g'qtki kpcnr tqlgev'htqo "y g'Ectup'Qr gtcvqp'u'P cr j yj c" Kqo gtlk'cvkqp'Wpks'vq'y g'Ectup'Qr gtcvqp'u'E5'Ur rkwg'Wpks'4+ kpetgcug'y g'y tqwi j r w'qh'y g'Ectup'Qr gtcvqp'u'Vcpni57=cpf. " 5+wr f cv'vq'g'vqzle'ck't'eqpco kpcpv'ur gekv'vq'htq'vq' g'ukz'etwf g'qkn' uqtcig'vcpni'cv'y g'Ectup'etwf g'vgo kpcn'y kj "cf f kkp'cnf'cvc0"	Vguqtq'Tghkplpi "( " O ctn'vqpi " Eqo r cp{ . "NNE" *Vguqtq+ "	Cff gpf wo "vq'yj g" Hkpcn' Gpxktqpo gpwcn' Kõ r cevTgr qtv'htq' yj g'O c{ "4239" Vguqtq'Nqu' Cpi grgu'Tghkpgt { " Kpvgi tcvkqp'cpf " Eqo r rkepeg" Rtqlgev'*NCTKE+ "	Vj g'eqpuwncpv'r tqxkf gf "c'F tch' Cff gpf wo 0Uqwj 'Eqcu'CS O F 'wchh' r tqxkf gf "tgxkukpu'htq' yj g'eqpuwncpv' vq'kpeqr qtcvg0" "	Gpxktqpo gpwcn'Cwf kw." kpe0' "

%/ "Rtqlgev'y cu'r qv'pkn'gpxktqpo gpwcn'wunleg'eqpegtpu'f wg'vq'y g'pcwtg'cpf lqt'hwecv'vq'qh'y g'r tqlgev'0"

**ATTACHMENT C2**  
**ACTIVE SOUTH COAST AQMD LEAD AGENCY PROJECTS**  
**THROUGH JULY 31, 2019**

RTQLGEV'F GUET'RVIQP "	RTQRQP GP V"	V[ RG'QH' F QEWO GP V"	UVC'VWU"	EQP UWNVCP V"
Vj g'Rj knkr u'88" *hqtto gtnf "EqpqqeqRj knkr u+"Nqu'Cpi grgu'Tghkpgt { " Wntc'Nqy "Uwhtw'F kgugnr tqlgev'y cu'qtki kpcmf "r tqr qugf "vq" eqo r n{ 'y kj 'hgf gtcn'wcv'cpf "Uqwj 'Eqcu'CS O F 'tgs wktgo gpw" vq'iko k'vj g'uwhtw'eqpvgpv'qh'f kgugnrhwgu0Nkki cvkqp'tgi ctf lpi 'y g' EGS C'f qewo gpv'y cu'hkrgf 0Wnko cvgn{ 'y g'Ecrkhtpke"Uwr tgo g" Eqwtv'eqpenmf gf 'y cv'y g'Uqwj 'Eqcu'CS O F 'j cf "wugf "cp" kpcr r tqr tlcvg'dcugrkpg'cpf 'f kgevgf 'y g'Uqwj 'Eqcu'CS O F 'vq" r tgr ctg'cp"GKT. "gxgp'y qwi j 'y g'r tqlgev'y cu'dggp'dwkn'cpf 'j cu' dggp'kp'qr gtcvqp'ukpeg"42280Vj g'r wtr qug'qh'y ku'EGS C" f qewo gpv'ku'vq'eqo r n{ 'y kj 'y g'Uwr tgo g'Eqwtv'u'f kgevgf'vq" r tgr ctg'cp"GKT0"	Rj knkr u'88" *hqtto gtnf " EqpqqeqRj knkr u+" Nqu'Cpi grgu" Tghkpgt { "	Gpxktqpo gpwcn' Kō r cevTgr qtv' *GKT +"	Vj g'P qvleg'qh'Rtgr ctcvqp'lkpkkcn'Uwuf { " *P QRlKu+y cu'ekewwv'gf "hqt'c'52/f c{ " r wdrie"eqo o gpv'r gtlqf "qp'O ctej "48." 4234"vq'Cr tki'48."42340Vj g'eqpuwncpv' uwdō kwgf 'y g'cf o kpkntcvkxg'F tch/GKT " vq'Uqwj 'Eqcu'CS O F 'kp'wv'lwuf " 42350Vj g'F tch/GKT'y cu'ekewwv'gf " hqt'c'67/f c{ 'r wdrie'tgxkgy "cpf " eqo o gpv'r gtlqf 'htqo "Ugr vgo dgt'52." 4236"vq'P qxgo dgt'35."42360Vj q" eqo o gpv'hwgtu'y gtg'tgegkxgf "cpf 'y g" eqpuwncpv'j cu'r tgr ctgf 'tgr qpugu'vq" eqo o gpw0Uqwj 'Eqcu'CS O F 'wchh' j cu'tgxkgy gf "y g'tgur qpugu'vq" eqo o gpw'cpf 'r tqxkf gf "gf ku0""	Gpxktqpo gpwcn'Cwf kw." kpe0'
S wgo gveq'ku'r tqr qukpi "vq"o qf kh{ "gzknkpi "Uqwj "Eqcu'CS O F " r gto ku'vq'cmqy "y g'hcekkv{ "vq'tge{ eng'o qtg'dcwtkgu'cpf "vq" grko kpcvg'y g'gzknkpi "f ckn{ 'kf ng'wō g'qh'y g'hwtpcegu0Vj g" r tqr qugf "r tqlgev'y knlpetgcug'y g'tqvct{ 'hggf "f t{ lpi 'hwtpceg'hggf " tcv'iko k'htqo "822"vq'972"vqu'r gt'f c{ 'cpf "lpetgcug'y g'co qwpv' qh'vqcn'eqng"o cvgtkn'cmqy gf "vq'dg'r tqegugf 0kp'cf f kkp. "y g" r tqlgev'y kn'cmqy "y g'wug'qh'r gvtqrgwo "eqng'kp'hw'qh'ht'kp" cff kkp'vq'ecrekpgf "eqng. "cpf "tgo qxg'qpg'gzknkpi "go gti gpe{ " f kgugn'hwgrgf "kpvgtpcn'eqo dwukqp"gpi kpg" *KEG+cpf "lpwcn'y q" pgy "go gti gpe{ "pcwtcn' cu'hwgrgf "KEGu0"	S wgo gveq"	Gpxktqpo gpwcn' Kō r cevTgr qtv' *GKT +"	C'P qvleg'qh'Rtgr ctcvqp'lkpkkcn'Uwuf { " *P QRlKu+y cu'tgrgcugf "hqt'c'78/f c{ " r wdrie'tgxkgy "cpf "eqo o gpv'r gtlqf " htqo "Cwi wuv'53."423: "vq'Qevqdg'47." 423: . "cpf "376"eqo o gpv'hwgtu'y gtg" tgegkxgf 0Vy q'EGS C'ueqr lpi " o ggkpi u'y gtg'j grf "qp'Ugr vgo dgt'35." 423: "cpf "Qevqdg'33."423: "kp'y g" eqo o wpk{ 0Uqwj 'Eqcu'CS O F 'wchh' ku'tgxkgy lpi "y g'eqo o gpw'tgegkxgf 0"	Vtkpkv{ "" Eqpuwncpvu"
Vguqtq'ku'r tqr qukpi "vq'tgxkug'y g'r tqlgev'qtki kpcmf "cpn{   gf "kp" yj g'Hkpcn'Gpxktqpo gpwcn'Kō r cevTgr qtv'htq' yj g'O c{ "4239"Vguqtq" Nqu'Cpi grgu'Tghkpgt { "Kpvgi tcvkqp'cpf "Eqo r rkepeg'Rtqlgev" *NCTKE +vq'cf lwuv'y g'eqputwv'kqp'uej gf wrg'cpf "vq"o qf kh{ "ku" Vkwg'X'r gto k'vq'<3+tgngcv' yj g'r tqr cp'g'tgeqxt { "eqo r qp'gpv'qh' yj g'qtki kpcnr tqlgev'htqo "y g'Ectup'Qr gtcvqp'u'P cr j yj c" Kūqo gtlk'cvkqp'Wpks'vq'y g'Ectup'Qr gtcvqp'u'E5'Ur rkwgt'Wpks'4+ kpetgcug'y g'y tqwi j r w'qh'y g'Ectup'Qr gtcvqp'u'Vcpni57=cpf. " 5+wr f cvg'y g'vqzle'ck'teqpco kpcpv'ur gekv'kqp'htq'y g'ukz'etwf g'qkn' uqtcig'vcpni'cv'y g'Ectup'etwf g'vgtō kpcn'y kj "cf f kkp'cn'f cvc0"	Vguqtq'Tghkplpi "( " O ctn'gkpi " Eqo r cp{ . "NNE" *Vguqtq+ "	Cff gpf wo "vq'yj g" Hkpcn' Gpxktqpo gpwcn' Kō r cevTgr qtv'htq' yj g'O c{ "4239" Vguqtq'Nqu' Cpi grgu'Tghkpgt { " Kpvgi tcvkqp'cpf " Eqo r rkepeg" Rtqlgev" *NCTKE +"	Vj g'eqpuwncpv'r tqxkf gf "c'F tch' Cff gpf wo 0Uqwj 'Eqcu'CS O F 'wchh' r tqxkf gf "tgxkukpu'htq' yj g'eqpuwncpv' vq'kpeqr qtcvg0" "	Gpxktqpo gpwcn'Cwf kw." kpe0' "

%/ "Rtqlgev'y cu'r qvgp'cn'gpxktqpo gpwcn'wunleg'eqpegtpu'f wg'vq'y g'pcwtg'cpf lqt'hwecv'kqp'qh'y g'r tqlgev0"

DQCTF "O GGVK I 'F CVG<"Ugr vgo dgt'8."423; " CI GP F C "P Q0"35"

TGRQTV<" Twg"cpf 'Eqpvqn'O gcuwtg'Hqtgecu'

U P QRUU<" Vj ku'tgr qtv'j ki j rki j vu'Uqwj 'Eqcu'CS O F 'twgo cnkpi 'cevkxkgu"  
cpf 'r wdke"j gctkpi u'uej gf wrgf 'hqt'423; 0"

EQO O KVVGG<" P q'Ego o kwgg'Tgxkgy "

TGEQO O GP F GF "CEVKQP <"  
Tgegkxg"cpf 'hrg0'

Y c {pg'P cuwk'"  
Gzgewkxg'Qhhegt

RO HUP UT CMK U"

## 2019 MASTER CALENDAR

Vj g"423; "O cuvt'Ecrpft'r tqxf gu'c'kuv'qh'r tqr qugf "qt'r tqr qugf "co gpf gf 'twgu'hqt"  
gcej "o qpvy . 'y kj "c"dtlgh'f guetk vqp."cpf "c'pqvcvqp'kp'vj g'vj kf "eqnwo p'kpf lecvkpi 'kh'vj g"  
twgo cnkpi 'ku'hqt'vj g"4238'CS O R."Vqzku."CD'839'DCTEV."qt"Qvj gt0Rtqlgevgf "  
go kuukqp'tgf wevqpu'y kn'dg'f gvgto kpgf 'f wtkpi 'twgo cnkpi 0Vj g'hqmy kpi 'u{o dqu'pgzv"  
vq'vj g'twrg'pwo dgt'kpf lecvgu'kh'vj g'twgo cnkpi 'y kn'dg'c'r qvgpvcm' "uki pkhlecpv'j gctkpi ."  
tgf weg'etkgtk'r qmwcpw."qt'r ctv'qh'vj g'TGENCKO "tcpukkp0'

*Symbols have been added to indicate the following:*

- \* *This rulemaking is a potentially significant hearing.*
- + *This rulemaking will reduce criteria air contaminants and assist toward attainment of ambient air quality standards.*
- # *This rulemaking is part of the transition of RECLAIM to a command-and-control regulatory structure.*

Vj g'hqmqy lpi 'vcdrg'uwo o ctkt gu'ej cpi gu'vq'yj g'uej gf wrg'ukpeg'yj g'huvo qpvy æl'Twrg'cpf "Eqpvtqn'O gcuwtg'Hqgtecuv'Tgr qt v0"Uchh'y kn'eqpvkpwg'vq'y qtnly kj "cm'ucngj qrf gtu'cu" yj gug'r tqlgevu'o qxg'hqty ctf 0'

<b>1110.2</b> <b>1100</b>	<b>Emissions from Stationary Internal Combustion Engines</b> <b>Implementation Schedule for NO<sub>x</sub> Facilities</b>
Rtqr qugf 'Co gpf gf 'Twrg'33320'cpf '3322'ctg'dgkpi 'o qxgf 'htqo 'Qevqdg't'vq'P qxgo dgt "423; 'vq'r tqxkf g'cf f kkpnci'vko g'hqt'uchh'vq'tguqrg'ng{ 'tgo cklpi 'kuwgu'y kj "ucngj qrf gtu0"	
<b>1147</b> <b>1147.1</b> <b>1100</b>	<b>NO<sub>x</sub> Reductions from Miscellaneous Sources</b> <b>NO<sub>x</sub> Reductions from Large Miscellaneous Combustion</b> <b>Implementation Schedule for NO<sub>x</sub> Facilities</b>
Rtqr qugf 'Co gpf gf 'Twrg'3369.'Rtqr qugf 'Twrg'33690'.'cpf 'Rtqr qugf 'Co gpf gf 'Twrg'3322'ctg'dgkpi 'o qxgf 'htqo 'F gego dgt'423; 'vq'4242'vq'cmqy 'uchh'cf f kkpnci'vko g'vq'eqngev'f cv'htqo 'chgevg'f'cekkkgu.'eqo r rvg'yj g'vgej pqmji { 'cuuguo gpv.'cpf 'y qtnly kj "ucngj qrf gtu0'	
<b>1147</b> <b>1147.2</b>	<b>NO<sub>x</sub> Reductions from Miscellaneous Sources</b> <b>NO<sub>x</sub> Reductions from Metal Melting and Heat Treating Furnaces "</b>
Rtqr qugf 'Co gpf gf 'Twrg'3369'cpf 'Rtqr qugf 'Twrg'33690'ctg'dgkpi 'o qxgf 'htqo "P qxgo dgt'423; 'vq'4242'vq'cmqy 'uchh'cf f kkpnci'vko g'vq'eqngev'f cv'htqo 'chgevg'f'cekkkgu.'eqo r rvg'yj g'vgej pqmji { 'cuuguo gpv.'cpf 'y qtnly kj "ucngj qrf gtu0"	
<b>1147</b> <b>1147.3</b>	<b>NO<sub>x</sub> Reductions from Miscellaneous Sources</b> <b>NO<sub>x</sub> Reductions for Equipment at Aggregate Facilities</b>
Rtqr qugf 'Co gpf gf 'Twrg'3369'cpf 'Rtqr qugf 'Twrg'33690'ctg'dgkpi 'o qxgf 'htqo "F gego dgt'423; 'vq'4242'vq'cmqy 'uchh'cf f kkpnci'vko g'vq'eqngev'r gto kklpi 'f cv'cpf "go kukpu'f cv0"	
<b>1403</b>	<b>Asbestos Emissions from Demolition/Renovation Activities</b>
Rtqr qugf 'Co gpf gf 'Twrg'3625'y cu'qtki kpcmi { 'uej gf wrf 'vq'dg'j gctf 'kp'Hgdtwct { "423; . 'dw' hqmqy lpi 'uchh'vq'tgeqo o gpf cvkqp'cv'yj g'Hgdtwct { 'Rwdke'J gctkpi 'qp'yj ku'kgo . 'yj g'twrg" r tqr qucnly cu'y kj f tcy p'htqo 'eqpukf gtcvqp0Rtqr qugf 'Co gpf gf 'Twrg'3625'ku'dgkpi "o qxgf 'htqo 'y g'423; 'Vq/Dg/F gvgto kpgf 'uej gf wrf 'vq'P qxgo dgt'423; 0"	
<b>1407</b>	<b>Control of Emissions of Arsenic, Cadmium and Nickel from Non-Ferrous Metal Operations"</b>
Uchh'ku'tgeqo o gpf lpi 'yj cv'Rtqr qugf 'Co gpf gf 'Twrg'3629'dg'o qxgf 'htqo 'Ugr vgo dgt'vq" Qevqdg't'423; 'vq'dgwt'f kntkdwg'yj g'r wdke'j gctkpi 'kgo u'hqt'yj g'Ugr vgo dgt'Dqctf "o ggkpi 0'	
<b>1426</b>	<b>Reduction of Toxic Air Contaminants from Metal Finishing Operations</b>
Rtqr qugf 'Co gpf gf 'Twrg'3648'ku'dgkpi 'o qxgf 'htqo 'F gego dgt'423; 'vq'4242'vq'cmqy 'uchh'cf f kkpnci'vko g'vq'eqngev'f cv0"	

, 'Rqvgpvkcm{ 'uki pkhecpv'j gctkpi '"

- 'Tgf weg'etkgtk'ck'eqpvco kpcpu'cpf 'cuukuv'qy ctf 'cvckpo gpv'qh'co dkgpv'ck's wcrk{ 'ucpf ctf u'" %Rctv'qh'yj g'tcpukkp'qh'TGENCKO 'vq'c'eqo o cpf/cpf/eqpvtqn'tgi wcrvt { 'utwewtg"

"

## 11

, "Rqvgpvc{ 'uki p~~h~~ecpv'j gctkpi '"  
- "Tgf weg'etkgtk'ck"eqpwo kpcpw'cpf "cuukv'qy ctf "cwckpo gpv'qh'co dkgpv'ck"s wcnk{ "ucpf ctf u"  
%Rctv'qh'j g'tcpukqap'qhTGENCIO "q"e"eqo o cpf/cpf/eqpvtqntgi wrvqt { "utwewtg"



# 2019 MASTER CALENDAR (Continued)

"

Month	Title and Description	Type of Rulemaking
<b>November (Continued)</b>		
3625 "	<b>Asbestos Emissions from Demolition/Renovation Activities</b> Rtqr qugf "Co gpf gf "T wrg"3625"y kn'gpj cpeg"ko r ngo gpvcvkqp."ko r tqxg" twrg"ghqtegcdkklv".cpf "crki p"r tqxkukqpu"y kj "vj g"cr r rkecdrg"WOUGRC" P cvkqpcn'Go kukqp"Ucpf ctf "hqt"J c  ctf qwu"Ck "Rqmwwcpw" *P GUI CR+" cpf "qj gt"ucvg"cpf "mqecn'tgs vkt go gpw'cu'pgeguuct { 0" <i>David De Boer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"
3632 "	<b>Hydrogen Fluoride Use at Refineries</b> Rtqr qugf "T wrg"3632"y kn'guvcdkuj "tgs vkt go gpw'kpenw kpi "o kki cvkqp" o gcuwtgu."c"r gthqto cpeg"ucpf ctf ".cpf "r qvgpvkcn'r j cug/qw'qh"j { f tqi gp" hmwtkf g"qt"o qf kklgf "j { f tqi gp"hmwtkf g"hqt"vj g"wg"cpf "uvqtc i g"qh" j { f tqi gp"hmwtkf g"cv'r gvtqrgwo "tghkpgtkgu0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"
<b>December</b>		
43: , %" 43: Ø " " " " "	<b>Continuous Emission Monitoring</b> <b>Continuous Emission Monitoring Performance Specifications</b> Rtqr qugf "Co gpf gf "T wrg"43: "y kn'tgxkug"r tqxkukqpu"hqt"eqpvkpwqwu" go kukqp"o qpkqtkpi "u{ ugo u'hqt"hekrklgu"gzklpi "T GENCKO "cpf " vtcpukklqpkpi "v"q"e"eqo o cpf /cpf /eqpvtkn'tgi wrvqt { "utwewt g0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR"
683 "	<b>Gasoline Transfer and Dispensing</b> Rtqr qugf "Co gpf o gpw"v" "T wrg"683"y kn'tghngev'kphqto cvkqp"htqo "ECTD. eqttgevkqpu."tgxkukqpu"cpf "cf f kklqpu"v"ko r tqxg"vj g"ghngev'kpgguu." gphqtegcdkklv".cpf "enctkv" "qh"vj g"twrg0" <i>David De Boer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR" Vqzleu"
3339- %"	<b>Emissions of Oxides of Nitrogen from Glass Melting Furnaces</b> Rtqr qugf "Co gpf gf "T wrg"3339"y kn'guvcdkuj "P QZ"go kukqp"rko ku"v" tghngev'Dguv"Cxckrcdng" T gvtqhk'Eqpvtkn'Vgej pqmji { "hqt"i nuu"o gnkpi " hwt pcegu"cpf "y kn'cr r n{ "v" T GENCKO "cpf "pqp/ T GENCKO "hekrklgu0" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR" CD'839" DCTEV"

, "Rqvgpvkcm{ "uki pkhecpv"j gctlpi ""

- "Tgf weg"etkgtk"ck"eqpvco kpcpw"cpf "cuukv"qy ctf "cwckpo gpv'qh"co dkgpv'ck"s wcrkv{ "ucpf ctf u"  
%Rctv'qh"vj g"vcpukklq"qh" T GENCKO "v"q"e"eqo o cpf /cpf /eqpvtkn'tgi wrvqt { "utwewt g"

"

"

## 2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
<b>December (Continued)</b>		
337205 - "	<b>NOx Emission Reduction from Combustion Equipment at Landfills</b> Rtqr qugf "T wrg"337205'y kn'gucdrkj "P Qz"go kuukqp'iko ku'hqt"dqkgtu." r tqegu'j gcvgtu.'hwtpegu."cpf "gpi kpgu"vq'tghngev'Dguv/Cxckrdng'Tgtqhk' Eqpvtqn'Vej pqmji { "cv'r pcf hkm0Vj g'r tqr qugf "twg'y kn'cnuq'kpenmf g" ko r ngo gpvcvkp'uej gf wgu"cpf "o qpkqtkpi ."tgeqtf ngr kpi ."cpf "tgr qtvpki " tgs wktgo gpw0"" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR I" CD'839" DCTEV" "
339; 05 - "	<b>NOx Emission Reduction from Combustion Equipment at Publicly Owned Treatment Work Facilities</b> Rtqr qugf "T wrg"339; 05'y kn'gucdrkj "P Qz"go kuukqp'iko ku'hqt"dqkgtu." r tqegu'j gcvgtu.'hwtpegu."cpf "gpi kpgu"vq'tghngev'Dguv/Cxckrdng'Tgtqhk' Eqpvtqn'Vej pqmji { "cv'r wdnen' "qy pgf "tgcvo gpv'y qtm0Vj g'r tqr qugf " twg'y kn'cnuq'kpenmf g'ko r ngo gpvcvkp'uej gf wgu"cpf "o qpkqtkpi ." tgeqtf ngr kpi ."cpf "tgr qtvpki "tgs wktgo gpw0"" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR I" CD'839" DCTEV" "
36; 2 - "	<b>Toxics Monitoring</b> Rtqr qugf "T wrg"36: 2'y kn'gucdrkj "tgs wktgo gpw'hqt"co dlgrpv'o qpkqtkpi " qh'egtvcip'o gcn'vqzle"ckt"eqpvco kpcpw0Vj g'r tqr qugf "twg'y kn'gucdrkj " cr r rcedkkrv'."qp/tco r u"cpf "qh/tco r u'hqt"co dlgrpv'o qpkqtkpi ."cpf " r tqxkukapu"vq'cf f tguu'j ki j "co dlgrpv'ngxnu0" <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i>	Vqzkeu" "
Tgi 0ZZ KKK -	<b>Facility-Based Mobile Sources</b> Rtqr qugf "twgu'y kj kp "Tgi wrvcqp"ZZ KKK'y qwr "tgf weg"go kuukpu'htqo " kpf ktgev'uqwtegu"gg0 0'o qdkng'uqwtegu'y cv'xkuk/hcekrkkgu-0Vj g'twrg"qt'ugv" qh'twgu'y cv'y qwr "dg'dtqwi j v'ht"Dqctf "eqpukf gtcvkp'kp'y ku'o qpj " y qwr "tgf weg"go kuukpu'htqo "y ctgj qwugu"cpf "f kmtkdwkqp'egpvtu." eqpukugpv'y kj "Eqpvtqn'O gcuwtg'O QD/25'htqo "y g'4238'CS OR O" <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176 Socio: Ian MacMillan 909.396.3244</i>	CS OR "

"

, "Rqvgpvkcm' "uki pkhecpv'j gctkpi ""

- "Tgf weg"etkgtk'ckt"eqpvco kpcpw'cpf "cuukv'qy ctf "cwckpo gpv'qh'co dlgrpv'ckt's wcrkv' "ucpf ctf u""  
%Rctv'qh'y g'tcpukkp'qh'TGENCKO "v'c"eqo o cpf/cpf/eqpvtqn'tgi wrvqt { "utwewt g"

"

/7/"

"

**RULES MOVED FROM 2019 TO 2020  
MASTER CALENDAR**

2020	Title and Description	Type of Rulemaking
332; - %" " 332; Ø" "	<b>Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries</b> <b>Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment</b> Rtqr qugf "T wrg"332; Ø"y kn'guxcdrukj "P Qz"go kuukqp'rko ku'vq'tghrgev'Dguv' Cxckrdrg'Tgtqhk'Eqpvtqn'Vgej pqm { 'hqt"P Qz"go kwp "gs wkr o gpv'cv' r gtqrgwo 'tghkpgtkgu'cpf 'tgrv'gf "qr gtcvkqpu'Rtqr qugf "T wrg"332; Ø"ku'cp" kpf wut {/ur gekhe'twrg."y kn'guxcdrukj "cp"co o qpkc"go kuukqp'rko k'hqt" r qmwkqp'eqpvtqn'y kj "co o qpkc"go kuukqpu'cpf "wr f cvg'o qpkqtkpi ." tgr qt vpi ."cpf "tgeqtf ngr kpi "tgs wkt go gpw0T wrg"332; "ku'r tqr qugf "vq"dg" tguelpf gf 0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS ORI" DCTEV" *CD'839+"
3364"	<b>Marine Tank Vessel Operations</b> Rtqr qugf "Co gpf gf "T wrg"3364"y kn'htvj gt'cf f tguu'XQE"go kuukqpu'htqo ' o ctlkpg'cpm'xguugn'qr gtcvkqpu'cpf 'r tqxkf g'ertkhecvkqpu' <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
3369, - %" 3369Ø" " " " " " " 3322" " " "	<b>NOx Reductions from Miscellaneous Sources</b> <b>NOx Reductions from Large Miscellaneous Combustion</b> Rtqr qugf "T wrg"3369Ø"y kn'guxcdrukj "P Qz"go kuukqp'rko ku'vq'tghrgev'Dguv' Cxckrdrg'Tgtqhk'Eqpvtqn'Vgej pqm { 'hqt'rti g'o kuegmcpqgwu" eqo dwukqp'uqwtegu'cpf 'y kn'cr r n { 'vq'TGENCKO "cpf "pqp/TGENCKO " hcekkkku0Rtqr qugf "Co gpf gf "T wrg"3369"y kn'tgo qxg'gs wkr o gpv'vj cv'y kn dg'tgi wrcv'gf "wvf gt"Rtqr qugf "T wrg"3369Ø"cpf "gxcnwcg'vj g'gzkwp "P Qz" go kuukqp'rko ku0' <b>Implementation Schedule for NOx Facilities</b> Rtqr qugf "Co gpf gf "T wrg"3322"y kn'guxcdrukj "vj g'ko r ngo gpvcvkp" uej gf wrg'hqt"P Qz"TGENCEKO "hcekkkku'vj cv'ctg'tcpukkkpki "vq" eqo o cpf/cpf/eqpvtqn' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt I" CD'839" DCTEV"

, "Rqvgpvkcm { 'uki pkhecpv'j gctkpi ""

- "Tgf weg'etkgtkc'ck'eqpco kpcpu'cpf "cuukv'qy ctf "cwckpo gpv'qh'co dkgpv'ck "s wcrk { "ucpf ctf u""  
%Rctv'qh'vj g'tcpukkp'qh'TGENCKO "vq"e'eqo o cpf/cpf/eqpvtqn'tgi wrcv'gt { "utwewtg"

"

**RULES MOVED FROM 2019 TO 2020  
MASTER CALENDAR  
(Continued)**

2020 (Continued)	Title and Description	Type of Rulemaking
3369. - % 336904"	<b>NO<sub>x</sub> Reductions from Miscellaneous Sources</b> <b>NO<sub>x</sub> Reductions from Metal Melting and Heat Treating Furnaces</b> Rtqr qugf "Twg"336904'y kn'gucdrkj "P Qz"go kuukqp"rko ku'vq'tghrgev'Dguv" Cxckrdng'Tgtqhk'Eqpvtqn'Vgej pqm { 'hqt'o gcn'o gnkpi "cpf "j gcv" vtgcvkpi "hwtpegu"cpf "y kn'cr r n' "vq"TGENCIO "cpf "pqp/TGENCIO " hcekkkgu0Rtqr qugf "Co gpf gf "Twg"3369'y kn'tgo qxg"gs wkr o gpv'v'j cv'y kn' dg'tgi wrcvgf "wpg gt "Rtqr qugf "Twg"3369040' <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR I" CD839" DCTEV"
3369. - % 336905"	<b>NO<sub>x</sub> Reductions from Miscellaneous Sources</b> <b>NO<sub>x</sub> Reductions for Equipment at Aggregate Facilities</b> Rtqr qugf "Twg"336905'y kn'gucdrkj "P Qz"go kuukqp"rko ku'vq'tghrgev'Dguv" Cxckrdng'Tgtqhk'Eqpvtqn'Vgej pqm { 'hqt"P Qz"gs wkr o gpv'cv'ci i tgi cvg" hcekkkgu"cpf "y kn'cr r n' "vq"TGENCIO "cpf "pqp/TGENCIO "hcekkkgu0" Rtqr qugf "Co gpf gf "Twg"3369'y kn'tgo qxg"gs wkr o gpv'v'j cv'y kn'dg" tgi wrcvgf "wpg gt "Rtqr qugf "Twg"3369050' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i>	CS OR I" CD'839" DCTEV"
3648. "	<b>Reduction of Toxic Air Contaminants from Metal Finishing Operations</b> Rtqr qugf "co gpf o gpw'vq"Twg"3648'y kn'gucdrkj "tgs wkt go gpw'vq" tgf weg'plengn'ecf o kwo . "j gzcxcrgpv'ej tqo kwo . "cpf "qy gt "ckt"vqzkeu'htqo r rckpi "qr gtcvkpu0Rtqr qugf "Co gpf gf "Twg"3648'y kn'gucdrkj " tgs wkt go gpw'vq"eqpvtqn'r qkp'v'uwteg"cpf "hwi kkg"vqzke"ckt"eqpwo kpcpv' go kuukpu0' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzkeu"
3657.	<b>Control of Emissions from Metal Heat Treating Processes</b> Rtqr qugf "Twg"3657'y kn'gucdrkj "tgs wkt go gpw'vq'tgf weg'r qkp'v'uwteg" cpf "hwi kkg"vqzke"ckt"eqpwo kpcpw'kpenf kpi "j gzcxcrgpv'ej tqo kwo " go kuukpu'htqo "j gcv'tgcvkpi "r tqeguugu0Rtqr qugf "Twg"3657'y kn'cnuq" kpenf g"o qpkqtkpi . "tgr qtvkpi . "cpf "tgeqtf ngr kpi "tgs wkt go gpw0' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzkeu"

, "Rqvgpvkcm' "uki pkhcepv'j gctlpi ""

- "Tgf weg"etkgtk"ckt"eqpwo kpcpw'cpf "cuukv'qy ctf "cwckpo gpv'qh'co dkgpv'ckt"s wcrkv' "ucpf ctf u"  
%Rctv'qh'y g'tcpukqap'qh'TGENCIO "vq"e'eqo o cpf/cpf/eqpvtqn'tgi wrcvt { "utwewtg"

"

"

**RULES MOVED FROM 2019 TO 2020  
MASTER CALENDAR  
(Continued)**

"

2020 (Continued)	Title and Description	Type of Rulemaking
Tgi 0Z KK <sup>90</sup> Tgi 0ZZ " "	<b>New Source Review RECLAIM</b> Rtqr qugf "Co gpf o gpw'vq'Tgi wrvqp'Z KK'y km'tgxkg'P gy "Uqwteg" Tgxkgy 'r tqxkukqpu'vq'cf f tgu'hcekkkgu'y cv'ctg'tcpukkpki 'htqo " TGENCKO 'vq'eqo o cpf/cpf/eqpvtqn'Uchh'o c{ "dg'r tqr qukpi 'c'pgy 'twrg" y kj kp'Tgi wrvqp'Z KK'vq'cf f tgu'qh'ugw'ht'hcekkkgu'y cv'tcpukkp'qw" qh'TGENCKO 0Rtqr qugf "Co gpf o gpw'vq'Tgi wrvqp'ZZ "cnuq'ctg'pggf gf vq'eqqtf kpcvg"co gpf o gpw'vq'Tgi wrvqp'Z KK" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR" "

, "Rqvgpvcnf "uki pkhecpv'j gctkpi ""

- "Tgf weg'etkgtlc'ct'eqpco kpcpu'cpf "cuukv'qy ctf "cwckpo gpv'qh'co dkgpv'ct's wcrkv{ "ucpf ctf u""

%Rctv'qh'y g'tcpukkp'qh'TGENCKO 'vq'c'eqo o cpf/cpf/eqpvtqn'tgi wrvqt { "utwewtg"

"

/: /"

"

## 2019 To-Be-Determined

"

2019	Title and Description	Type of Rulemaking
324"	<b>Definition of Terms</b> Uchh'o c { 'r tqr qug"co gpf o gpw"vq"Twg"324"vq"cf f "qt"tgxkug"f ghpkklqpu" kp"qtf gt"vq"uw r qt v"co gpf o gpw"vq"qy gt"Ti wrcvqp"Z Kt wguO' <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
335- %" "	<b>Monitoring, Reporting, and Recordkeeping (MRR) Requirements for NOx and SOx Sources</b> Rtqr qugf "Twg"335"y kn'guvdrkuj "O TT"tgs wkt go gpw"vq"t hcekkkku"gz kkp TGENCKO "cpf "tcpu kkp kpi "vq"e"eqo o cpf /cpf /eqpvtqnt gi wrcvt { " ut wewt gO' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR"
42; " 523"	<b>Transfer and Voiding of Permits; Permitting and Associated Fees</b> Uchh'o c { 'r tqr qug"co gpf o gpw"vq"erctkh { 'tgs wkt go gpw"vq"t ej cpi g"qh" qy pgtuj k "cpf "r gto ku"cpf "y g"cuuguuo gpv"qh"cuuqekcvf "hguO' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
43; "	<b>Equipment Not Requiring a Written Permit Pursuant to Regulation II</b> Rtqr qugf "Co gpf gf "Twg"43; "y kn'cf f "qt"tgxkug"gs wkr o gpv"pqv"tgs wkt kpi " c"y tkwgp"r gto kO' <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
444"	<b>Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II</b> Rtqr qugf "Co gpf gf "Twg"444"y kn'cf f "qt"tgxkug"gs wkr o gpv"uwlgev"vq" hkp i "tgs wkt go gpwO' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
445" 33555"	<b>Emission Reduction Permits for Large Confined Animal Facilities</b> Rtqr qugf "Co gpf gf "Twgu"445"cpf "33555"y kn'ugm'cf f kkp pcd'go ku kqp" tgf wv kpu"tqo "rti g"eqphkpgf "cpko cnhcekkkku"d { "ny gt kpi "y g" cr r dcedkkl { "y tguj qrf O' <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR"
638"	<b>Odors from Kitchen Grease Processing</b> Rtqr qugf "Twg"638"y kn'tgf weg"qf qtu"tqo "nkej gp"i tgcug"r tgegu kpi " qr gtcv kpuO"Vj g"r tqr qugf "twg"y kn'guvdrkuj "dguv'o cpci go gpv"r tcevegu." cpf "gzco kpg"gpemqwt g"tgs wkt go gpw"vq"t cuvy cvgt"tgcw gpv"qr gtcv kpu cpf "hngt"ecng"uqtci gO' <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
647"	<b>Odors from Cannabis Processing</b> Rtqr qugf "Twg"647"y kn'guvdrkuj "tgs wkt go gpw"vq"eqpvtqnt y g"qf qtu"tqo " ecppcdku"r tgegu kpi O' <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"

, "Rqvgpvkcm { "uki pkhecpv"j gctkpi ""

- "Tgf weg"etkgtk"ck"eqpco kpcpu"cpf "cuukv"qy ctf "cwckpo gpv"qh"co dkgpv"ck"s wcrk { "ucpf ctf u"  
%Rctv"qh"y g"tcpu kkp qh"TG ENCKO "vq"e"eqo o cpf /cpf /eqpvtqnt gi wrcvt { "ut wewt g"

"

/; /"

"

## 2019 To-Be-Determined (Continued)

"

2019	Title and Description	Type of Rulemaking
64; "	<b>Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen</b> Rtqr qugf "Co gpf o gpw'vq"Twrg"64; "vq"cf f tguu'uxctv/wr luj wf qy p" r tqxkukqpu'tgrv'vq'v'j g'tcpuk'q'q'P Qz"TG ENCKO "vq"e'eqo o cpf / cpf/eqpvtqnt'gi wrcvt { 'r tqi tco "cpf 'h'WUOGRC "tgs vkt gu'wr f cvgu'vq'uwej r tqxkukqpu' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt""
667"	<b>Wood Burning Devices (PM 2.5 Contingency)</b> Rtqr qugf "Co gpf o gpw'vq"Twrg"667"y knlpenmf g'r tqxkukqpu'hqt" eqpv'pi gpe { 'lp'v'j g'gxgpv'q'h'ckwt g'vq'cwclp. "qt"o cng'tgcuqpcdr'ht v'j gt" r tqi tguu'vqy ctf. 'v'j g'RO 407'hgf gten'co dkgpv'ck's wcrkv { 'ucpf ctf u'cpf " qv'j gt'r tqxkukqpu' <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR"
684"	<b>Organic Liquid Loading</b> Rtqr qugf "Co gpf o gpw'vq"Twrg"684"y knlko r tqxg'v'j g'ghge'v'x'gpguu." gphqtegcdk'kv { . "cpf "enctkv { "qh'v'j g'twrg0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
685"	<b>Organic Liquid Storage</b> Rtqr qugf "Co gpf o gpw'vq"Twrg"685"y knlcf f tguu'v'j g'ewtgpv'v'guv'o g'v'j qf " cpf "ko r tqxg'v'j g'ghge'v'x'gpguu."gphqtegcdk'kv { . "cpf "enctkv { "qh'v'j g'twrg0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
686"	<b>Wastewater Separators</b> Rtqr qugf "Co gpf o gpw'vq"Twrg"686"y knlko r tqxg'v'j g'ghge'v'x'gpguu." gphqtegcdk'kv { . "cpf "enctkv { "qh'v'j g'twrg0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
3329"	<b>Coating of Metal Parts and Products</b> Rtqr qugf "Co gpf gf "Twrg"3329"y knl'ny gt"XQE"go kulkp'rko ku'hqt" egt'v'kp'ecv'gi qtl'gu'qh'eqv'kp' u'hqt"o g'v'nr'ctw'cpf "r tqf wew'cpf "ko r tqxg" twrg'enctkv { "cpf "gphqtegcdk'kv { 0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR"
3333Ø"	<b>Reduction of NOx Emissions from Natural Gas Fired Commercial Furnaces (CMB-01)</b> Rtqr qugf "Twrg"3333Ø"y knl'gucdr'kuj "gs wkr o gpv'ur gek'ke"P Qz"go kulkp" rko ku'cpf "qv'j gt'tgs vktgo gpw'hqt"v'j g'qr gtcv'kp'qh'eqo o gtekn'htpcegu0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR" Qy gt""

, "Rqvgpv'kcm { "uki p'k'kecpv'j gct'kpi ""

- "Tgf weg"etkgt'k'ck'eqp'co l'p'cpw'cpf "cuukv'vqy ctf "cwclp'o gpv'q'h'co dkgpv'ck's wcrkv { 'ucpf ctf u'"  
%Rctv'qh'v'j g'tcpuk'q'q'P Qz"TG ENCKO "vq"e'eqo o cpf /cpf/eqpvtqnt'gi wrcvt { 'uxwewt g"

"

## 2019 To-Be-Determined (Continued)

"

2019	Title and Description	Type of Rulemaking
3335"	<b>Architectural Coatings</b> Rtqr qugf "Co gpf gf "Twr"3335"o c { "dg"pggf gf "vq"tgo qxg'yj g"vDCe" gz go r vqp"cpf "r EDH'cu"XQE"gz go r v'eqo r qwpf "dcugf "qp"i wlf cpeg" htqo "yj g"Ucwkqct { "Uqwteg'Ego o kwgg0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
333: "	<b>Refinery Flares</b> Rtqr qugf "Co gpf gf "Twr"333: "y kn'tgxkug'r tqxkukpu"vq"ko r tqxg'yj g" gphqtegcdkkl { "qh'yj g"twg0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
3345"	<b>Refinery Process Turnarounds</b> Rtqr qugf "Co gpf gf "Twr"3345"y kn'gu'cdkuj "r tqegf wtgu'yj cv'dgwgt" s wcpvhl { "go kukqp"ko r cev'htqo "u'ctv'wr . "uj wf qy p"qt "wtpctqwpf " cevkxkkgu0" <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR"
3357"	<b>Emissions of Oxides of Nitrogen from Electricity Generating Facilities</b> Rtqr qugf "Co gpf gf "Twr"3357"y kn'tgxkug"o qpkqtkpi . "tgr qt vpi . "cpf " tgeqtf n'gr kpi "r tqxkukpu"vq"tgh'gev'co gpf o gpw'vq"Rtqr qugf "Twr"335" cpf "r qukdn { "qy gt"co gpf o gpw'vq"cf f tgu'eqo o gpw'htqo "WU0GRC0" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qy gt"
3358"	<b>Wood Products Coatings</b> Rtqr qugf "Co gpf gf "Twr"3358"y kn'tgxkug"XQE"rko ku'ht'y qqf "r tqf wev" eqcvpi u"cpf "qy gt"extkhecvkpu0" <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR"
335: - "	<b>Control of Emissions from Restaurant Operations</b> Rtqr qugf "Co gpf gf "Twr"335: "y kn'tgf weg"RO 40"go kukpu'htqo " gu'cdkuj o gpw'wkl kpi "eqo o gtekn'eqqnkpi "qxgpu."tapi gu."ht { gtu."cpf " ej ctdtqlkgtu0" <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR" CD'839" DCTEV"
336804"	<b>Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters</b> Rtqr qugf "Co gpf gf "Twr"336804"o c { "dg"tgxkugf "vq"hy gt "yj g"p Qz " go kukqp"rko kv"vq"tgh'gev'c"Dgu'Vcxkcdrg"Tgtqhk'Eqvtqn'Vgej pqm { " cuuguu gpv0" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	CS OR" CD839" DCTEV" "

"

"

, "Rqgvpkcm { "uki pkhecpv"j gctkpi ""

- "Tgf weg"etkgtk"ck"eqp'co l'cpw"cpf "cuukv"qy ctf "cwckpo gpv'qh'co d'gvp'ck"s wcrk { "ucpf ctf u"  
%Rctv'qh'yj g"t'cpukqap"qh"TG ENCKO "vq"e"eqo o cpf /cpf /eqpvtqn'tgi wcrvqt { "utwewtg"

"

"



## 2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
336: Ø" 336: Ø"	<b>Oil and Gas Production Wells Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b> Rtqr qugf "Co gpf gf "Twrø"336: Ø"cpf "336: Ø"o c{"dg'tgxlugf "vq"cf f tguu" eqo o wplv{"pqvhlcevkqp"r tqegf wtgu."y g"lpenwukqp"qh'y cvgt "lplgevkqp" y gmu."cpf "r qvøpvkcm{"qy gt "o gcuwtgu"dcugf "qp"cp"gxcnwvkqp"qh" lphqto cvkqp"eqmgevgf "ukpeg"y g"rcuv'twø"cf qr vkqpØQy gt "co gpf o gpw" o c{"dg'r tqr qugf "vq"ko r tqxg"y g"ghqtegcdkklv{Ø' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
336: Ø"	<b>Requirements for Natural Gas Underground Storage Facilities</b> Rtqr qugf "Twrø"336: Ø"y kn'guvcdrukj "tgs vkt go gpw"vq"cf f tguu"r wdrke" pwlucpeg"cpf "XQE"go kuukpu'htqo "wpf gti tqwpf "pcwtcn'i cu'vqtci g" hceklklguØ' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
336; "	<b>Tank Degassing</b> Rtqr qugf "Co gpf gf "Twrø"336; "y kn'ko r tqxg"y g"ghgevkxgpguu." gphqtegcdkklv{."cpf "enctklv{"qh'y g"twøØ' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
3372Ø"	<b>Control of Gaseous Emissions from Municipal Solid Waste Landfills</b> Rtqr qugf "Co gpf gf "Twrø"3372Ø"y kn'cf f tguu"WUØGRC"tgxkukpu"vq"y g" P gy "Uqwteg"Rgthqto cpeg"Ucpf ctf u'htq "O wplekr cn'Uqrkf "Y cuvg"Ncpf hkm cpf "Gz kuki "I vkf gnpøgu"cpf "Eqo r ncpeg"Vko gnpøgu'htq "O wplekr cn'Uqrkf " Y cuvg"Ncpf hkm."cu'y gm'cu'ECTD'I J I "tgs vkt go gpwØ' <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
3373"	<b>Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations</b> Dcugf "qp"lpr w'htqo "y g"Ucvkqpct {"Uqwteg"Eqo o kwgg."uvch"ku" eqpukf gtlpi "tgo qxlpi "y g"VDCe"gz go r vkqp"cpf "ku"gxcnwvkpi "y g"ko r cev" htqo "tgo qxlpi "r EDVH"cu"c"XQE"gz go r v'eqo r qwpf "lpr Rtqr qugf " Co gpf gf "Twrø"3373Ø' <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
3375Ø"	<b>Emissions of Oxides of Nitrogen from Commercial Food Ovens</b> Rtqr qugf "Co gpf o gpw"vq"Twø"3375Ø"o c{"dg"pggf gf "vq"cf f tguu" cr r necdkklv{"cpf "vøej pqmri kcnlhgcukdkklv{"qh'hty /P Qz "dwtpgt" vøej pqmri lgu'htq"pgy "eqo o gtekn'htqf "qxgøpØ' <i>Michael Krause 909.396.2706 CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244"</i>	CS ØRI" CD"839" DCTEV"

, "Rqøpvkcm{"uki plhcepv"y gctlpi ""

- "Tgf weg"etkgtkc"ck"eqpvco lpcpvu"cpf "cuukuv"qy ctf "cvckpo gpv'qh'co dkgpv'ck"s wcrkv{"uøpf ctf u'" %Rctv'qh'y g"vcpuklqp"qh"TGENCØ "vq"c"eqo o cpf/cpf/eqpvtn'tgi wrcvqt {"vutwewtg"

"

## 2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
3379"	<b>PM10 Emission Reductions from Aggregate Related Operations</b> Rtqr qugf "Co gpf gf "Twrq"3379"y kn'tgo qxg"qwf cvgf "rcpi wci g."tgxkug" qr cekv\ "tgs vkt go gpw."cpf "ko r tqxg"vj g"ghgevkxgpguu."gphqtegcdkkrv\."cpf " emtkv\ "qh"vj g"twrg0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
337; 8"	<b>Nitric Acid Units – Oxides of Nitrogen</b> Rtqr qugf "Twrq"337; 8"y kn'cf f tguu"P Qz "go kukqpu'htqo 'r tqeguugu'wukpi " pklte"cekf "cpf "ku'pggf gf "cu'r ctv'qh"vj g"tcpu'kqp"qh"TGENCIO "vq" eqo o cpf /cpf /eqpvtqn' <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR" CD'839" DCTEV"
3388"	<b>VOC Emissions from Decontamination of Soil</b> Rtqr qugf "Co gpf gf "Twrq"3388"y kn'tgxkug"pqv'kkrv\ "r tqxkukqpu." ko r tqxg"vj g"ghgevkxgpguu."gphqtegcdkkrv\."cpf "emtkv\ "qh"vj g"twrg0" <i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
3395"	<b>Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants</b> Rtqr qugf "tgxkukqpu"vq "Twrq"3395"ctg'dgkpi "eqpukf gtgf "dcugf "qp'tgegpv" WUOGRC'tgi wrcv'kqp"cpf "ECTD"qk'icpf "i cu'tgi wrcv'kqp"cpf "tgxkukqpu"vq" ko r tqxg"vj g"ghgevkxgpguu."gphqtegcdkkrv\."cpf "emtkv\ "qh"vj g"twrg0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
33; 2."33; 3." 33; 4."33; 5." 33; 6.33; 7." 33; 8." " 33: 88"	<b>Fleet Vehicle Requirements</b> Rtqr qugf "co gpf o gpw"vq "hrgv'twrgu"o c { "dg"pgeguuct { "vq"ko r tqxg"twrg" ko r ngo gpvc'kqp0k'cf f kkp."vj g"ewt'gpv'hrgv'twrgu"o c { "dg"gzr cpf gf "vq" cej kxg"etkgtk'r qmwcpv'cpf "ckt"vqzle"go kukqp'tgf wcv'kqp'r gpf kpi "pgy " rgi kur'vkg"cwvj qtkv\ 0" <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
352604" " " 352605"	<b>California Public Utilities Commission Regulated Electrical Local Publicly Owned Electrical Utility Fee for Use of SOx, PM10 and NOx Offsets</b> <b>Local Publicly Owned Electrical Generating Facility Fee for Use of SOx, PM10 and NOx Offsets</b> Rtqr qugf "Twrq"352604"cpf "352605"y qwf "cmqy "pgy "i tggphkgrf "hcekkkku" cpf "cf f kkp"vq "gzkupi "ggev'tekv\ "i gpgtcv'kpi "hcekkkku"eqpf kkp'cn' ceeguu"vq "Uqwj "Eqcu'CS O F "kpvt'pcn'qh'ugv'ceeqwpw'htq "c'hgg. "htq" uwdugs wgpv'hwpf kpi "qh's wcrkh\ kpi "ko r tqxgo gpv'r tqlgew'eqpukwgpv'y kyj " vj g"CS O R0" <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt" "

, "Rqvgpv'cm\ "uki pk'kecpv'j gctkpi ""

- "Tgf weg"etkgtk'ckt"eqp'co kpcpu'cpf "cuukv"qy ctf "cwckpo gpv'qh'co dkgpv'ckt"s wcrkv\ "u'cpf ctf u"  
%Rctv'qh"vj g"tcpu'kqp"qh"TGENCIO "vq"e"eqo o cpf /cpf /eqpvtqn'tgi wrcv'qt { "utwewt g"

"

"

## 2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
3623"	<b>New Source Review of Toxic Air Contaminants</b> Rtqr qugf "Co gpf gf "Twr"3623"o c { "dg"tgxkugf "vq"cf f ."tgo qxg."qt"tgxkug" vqzle"ck"eqpvco kpcpv"dcugf "qp"ej cpi gu"htqo "QGJ J C0" <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"
3624"	<b>Control of Toxic Air Contaminant Emissions from Existing Sources</b> Rtqr qugf "Co gpf gf "Twr"3624"o c { "dg"tgxkugf "dcugf "qp"ko r ngo gpcv"qap" qh"qj gt "vqzle"twgu"qt"r tqi tco u0" <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"
362908"	<b>Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations</b> Rtqr qugf "Twr"362908"y kn'gucdrkuj "tgs wkt go gpw"vq"t gf weg"r qlpv"uqweg" cpf "hwi kkg"vqzle"ck"eqpvco kpcpv"go kuukpu"htqo "o gvcn'o gmkpi " qr gtcv"qpu0" <i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"
3637" 363708"	<b>Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems, and Reduction of Refrigerant Emissions from Stationary Refrigeration Systems</b> Co gpf o gpw"y kn'crki p"y kj "j g"r tqr qugf "ECTD"Thki gtcpv" O cpci go gpv"Rtqi tco "cpf "WUUGRC"Uki pkhecpv"P gy "Cngtpcv"kgu" Rqrle { "Twr"r tqxku"qpu"t gncv"kg"vq"r tqj kdkkpu"qp"ur gekle" j { f tqh"wtqectdpu0" <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Qj gt"
3652"	<b>Control of Emissions from Metal Grinding Operations at Metal Forging Facilities</b> Rtqr qugf "Co gpf gf "Twr"3652"o c { "dg"pggf gf "vq"guvdrkuj "tgs wkt go gpw" vq"t gf weg"vqzle"ck"eqpvco kpcpv"go kuukpu"htqo "o gvcn"htqi kpi "qr gtcv"qpu0" <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzleu"

, "Rqvgpvkcm { "uki pkhecpv"j gctkpi ""

- "Tgf weg"etkgtlc"ck"eqpvco kpcpv"cpf "cuukv"qy ctf "cwclpo gpv"qh"co dkgpv"ck"s wcrkv { "ucpf ctf u""  
%Rctv"qh"j g"tvcpu"qap"qh"TG ENCKO "vq"e"eqo o cpf/cpf/eqpv"qntgi wrcvqt { "utwewtg"

"

"

## 2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
3667"	<b>Control of Toxic Emissions from Laser Arc Cutting</b> Rtqr qugf "T wrg"3667'y kni'guxcdrikuj "tgs wkt go gpw'vq'tgf weg"vqzke"o gwn" r ct vewwvgo kuukpu'htqo "rcugt"cte"ewwki 0" <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Vqzkeu"
3672"	<b>Control of Methylene Chloride Emissions</b> Rtqr qugf "T wrg"3672'y kni'tgf weg"o gyj {npg"ej nrtkf g"go kuukpu'htqo " hwtpkwtg'utkr r kpi "cpf "guxcdrikuj "o qpkqtkpi ."tgr qt vki ."cpf " tgeqtf nggr kpi "tgs wkt go gpw0" <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; and Socio: Ian MacMillan 909.396.3244"</i>	Vqzkeu"
368; 8"	<b>Spraying Operations Using Coatings Containing Chromium</b> Rtqr qugf "Co gpf gf "T wrg"368; 8'y kni'guxcdrikuj "cf f kkpncn'tgs wkt go gpw'vq cf f tguu'hw kkg"go kuukpu'htqo "hcekkkgu'y cv'tg"eqpf wewki "ur tc { kpi " qr gtcv'kpu'wulpi "ej tqo kwo "r tko gt u"qt"eqcvkpi u"vq"hw y gt "tgf weg" j gzcxcrgpv'ej tqo kwo "go kuukpu0" <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Vqzkeu" "
3692"	<b>Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines</b> Rtqr qugf "Co gpf gf "T wrg"3692'y kni'guxcdrikuj "cf f kkpncn'r tqxku'kpu"vq" tgf weg"y g"gzr quwtg"vq" f kgugn'r ct vewwvgo'htqo "pgy "cpf "gzku'kpi "uo cm" *072"dtcng"j qtugr qy gt+f kgugn'gpi kpgu'mecv'gf "pgct"ugpukkg'tgegr vqtu0" <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Vqzkeu"
3; 24"	<b>Transportation Conformity</b> Rtqr qugf "Co gpf gf "T wrg"3; 24"o c { "dg"pgeguact { "vq"crki p"y g'twrg'y kj " ewttgpv'WUOGRC"tgs wkt go gpw0" <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
3; 27"	<b>Pollution Controls for Automotive Tunnel Vents</b> Rtqr qugf "T wrg"3; 27'y kni'cf f tguu'go kuukpu'htqo "r tqr qugf "tqcf y c { " wppgn'r tqlgewu'y cv'eqwf "j cxg"ck"s wcrkv { "ko r cev0" <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"

, "Rqvgpvkcm { "uki pkhecpv"j gctkpi ""

- "Tgf weg"etkgtk"ck"eqpwo kpcpu'cpf "cuukv"qy ctf "cwckpo gpv'qh"co dkgpv'ck"s wcrkv { "ucpf ctf u""  
%Rctv'qh'y g'tcpukkp"qh"TG ENCKO "vq"e"eqo o cpf/cpf/eqpvtqn'tgi wrcvt { "utwewtg"

"

"

## 2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
4424"	<b>On-Road Motor Vehicle Mitigation Options</b> Rtqr qugf "Twr"4424"o c {"dg"co gpf gf "vq"cf f tguu'r tqi tco "utgco nkp i " hqt'tgi wrvfg "gpvkgu."cu'y gm'cu'tgf weg'tgxky "cpf "cf o kpkmtcvkp"vko g" hqt"Uqwj "Eqcu\CS O F "uchh0Rtqr qugf "Twr"co gpf o gpv'eqpegr w'o c {" kpenf g'r tqi tco "eqo r qpgpvu"vq"hcckcvg"y g"qdvkpo gpv'qh'cxgtci g" xgj keng'tkf gtuj k "CXT+"vcti gw0' <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
Tgi 0Z XK	<b>Mobile Source Offset Programs</b> Rtqr qugf "Co gpf o gpv"vq"tgi wrvqp"ZXKt wgu'y kn'cmqy "i gpgtcvkp"qh" etkgtk'r qmwcpv'O qdkg"Uwteg"Go kuukp"Tgf wevqp"Etgf ku"O UGTEu+" htqo "xctkqu"qp/tqcf "cpf "qh/tqcf "uwtegu."uwej "cu"qp/tqcf "j gcx{/fwf " vtweu."qh/tqcf "gs wkr o gpv."meqo qvkgu."cpf "o ctkgp"xguugn0Etgf ku'y kn dg'i gpgtcvkf "d {"tgvqhkwp i "gzkwp i "gpi kpgu"qt'tgr nckpi "y g"gpi kpgu" y kj "pgy "my gt/go kwp i "qt"l gtq/go kuukp"gpi kpgu' <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	CS OR"
Tgi 0Z XK	<b>Prevention of Significant Deterioration (PSD)</b> Rtqr qugf "Co gpf o gpv"vq"tgi wrvqp"ZXKt g"dgkpi "eqpukf gtgf "hqt" r quukrg'tgxkukpu"dcugf "qp"lphqto cvkp"htqo "WUOGRC0' <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
Tgi 0Z Z XK	<b>Climate Change</b> Ej cpi gu"o c {"dg"pggf gf "vq"tgi wrvqp"Z Z XK"vq"cf f "qt"wr f cvg'r tqvcequ' hqt"l j i "tgf wevqpu."cpf "qy gt"ej cpi gu' <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244"</i>	Qy gt"
Tgi 0KK"KX." ZKX."ZK" Z Z KK"Z Z KX." ZZZ"" cpf "ZZZX"	Xctkqu"twg"co gpf o gpv"o c {"dg"pggf gf "vq"o gg'v'y g'tgs vktgo gpv"qh" ucvg"cpf "hgf gtcn'cy u."ko r ngo gpv'QGJ J Cøu'4237'tgxkugf "tkun' cuuguu gpv'i vkf cpeg."cf f tguu'xctkpeg"kuuvgul"vej pqm i {"hqtckpi "rko ku." " vq"cdcvg"e"uuducpvkn'gpf cpi gto gpv"vq"r wdne"j gcnj "qt"cf f kkpccn' tgf wevqpu"vq"o gg'v'y g"UKR"uj qtvvgo "o gcuwtg"eqo o ko gpv'Vj g" cuuqekcvf "twg"fgxgnr o gpv'qt"co gpf o gpv"lpenf g."dw'ctg"pqv'ko kgf " vq."Uqwj "Eqcu\CS O F "gzkwp i "twgu."pgy "qt"co gpf gf "twgu"vq" ko r ngo gpv'y g"4234"qt"4238"CS O R"o gcuwtgu0Vj ku'lpenf gu"o gcuwtgu'lp yj g"4232"Engcp"Ego o wpkkgu"Rrcp"EEER+qt"4238"CS O R"vq"tgf weg"vzke' ckt"eqpco kpcpw"qt'tgf weg"gzr quwtg"vq"ckt"vzkeu'htqo "ucvqpct {"o qdkg. cpf "ctgc"uwtegu0Twr"cf qr vqp"co gpf o gpv"o c {"kpenf g"wr f cvgu"vq" r tqxkf g"eqpukvpe {"y kj "ECTD"Ucvgy kf g"Ckt"Vqzke"Eqptqn'O gcuwtgu." WUOGRCøu'P cvkpcn'Go kuukp"Ucpcf ctf u'hqt"J c  ctf qwu'Ckt"Rqmwcpcu." qt"ko r ngo gpv'vqp"qh"CD'8390"	Qy gt l" CS OR"

, "Rqvgpvkcm{"uki plklecpv'j gctkpi ""

- "Tgf weg"etkgtk"ckt"eqpco kpcpw"cpf "cuukv"qy ctf "cvkpo gpv'qh'co dkgpv'ckt"s wcrk{"ucpf ctf u"" %Rctv'qh'y g"tvpukvqp"qh"TG ENCKO "vq"e"eqo o cpf /cpf /eqptqn'tgi wrvqt {"utvewwtg"

DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC"PQ0"36"

TGRQTV<"

Ucwu'Tgr qtv'qp'O clqt'Qpi qlpi "cpf "Wr eqo lpi "Rtqlgew'hqt"  
Kphqto cvkqp'O cpci go gpv"

U PQRUKJ"

Kphqto cvkqp'O cpci go gpv'ku'tgur qpukdg'hqt'f'cvc'u{ ugo u"  
o cpci go gpv'ugt'xlegu'lp'uwr r qtv'qh'cm'Uqwj "Eqcu'CS OF "  
qr gtcv'kpu0"Vj ku'ce'v'kp'ku'q'r tqxkf g'yj g'o qpj n' "ucwu'tgr qtv'qp"  
o clqt'cwqo cvkqp'eqptcew'cpf "r rppgf "r tqlgew0"

EQO O KVVGG<"

Cf o l'p'kntcv'xg.'Lwn{ "3; ."423; ."Tgxkgy gf "

TGEQO O GPFGF "CEVKQP <"

Tgegxg"cpf 'hkg0'

Y c{pg"Pcwtk"

Gzgew'xg"Qhhegt"

TOO O CJ ZE<i i "

## Background

Kphqto cvkqp'O cpci go gpv\*"KO +r tqxkf gu'c'y kf g'tcpi g'qh'l'phqto cvkqp'u{ ugo u'cpf "  
ugt'xlegu'lp'uwr r qtv'qh'cm'Uqwj "Eqcu'CS OF "qr gtcv'kpu0"KO a'r tko ct { "i qcn'ku'vq"  
r tqxkf g'cwqo cvgf "v'qqu'cpf "u{ ugo u'v'ko r ngo gpv'Dqctf /cr r tqxgf "tw'gu'cpf "  
tgi w'v'kpu."cpf "v'ko r tqxg'lp'vgt'pcn'gh'he'k'g'pelgu0"Vj g'cppwcn'Dwf i gv'cpf "Dqctf "  
cr r tqxgf "co gpfo gpw'v'q'yj g'Dwf i gv'ur gekh{ "r tqlgew'r rppgf "f wtkpi "y g'h'uecn'{ gct "vq"  
f gxgnr ."ces wkg."gpj cpeg."qt "o cl'p'v'kp"o ku'kqp/et'k'ec'n'l'phqto cvkqp'u{ ugo u0""

## Summary of Report

Vj g'cwe'j gf "tgr qtv'kf gpv'k'gu" gcej "qh'yj g'o clqt'r tqlgew'eqptcew'qt'r wtej cugu'yj cv'ctg"  
qpi qlpi "qt"gzr gev'gf "v'dg'lp'k'c'v'gf "y kj kp'yj g'pgz'v'ukz "o qpj u0"Kphqto cvkqp'r tqxkf gf "  
hqt"ge'j "r tqlgev'lp'ew'f gu'c'dt'k'gh'r tqlgev'f guet'k'v'kp"cpf "y g'ue'j gf w'g"cuu'q'ek'c'v'gf "y kj "  
npqy p'o clqt "o k'gu'v'q'pgu"ku'wg"THRIFHS ."gzgew'g'eqptcew."gve00"

## Attachment

Kphqto cvkqp'O cpci go gpv'Ucwu'Tgr qtv'qp'O clqt'Qpi qlpi "cpf "Wr eqo lpi "Rtqlgew"  
F wtkpi "y g'P gz'v'Ukz "O qpj u"

**ATTACHMENT**  
**September 6, 2019 Board Meeting**  
**Information Management Status Report on Major Ongoing and**  
**Upcoming Projects During the Next Six Months**

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Tgpgy cñ'qh'QpDcug" Uqhy ctg'Uwr r qtv'	Cwj qtk g'y g'uqrg" uqwtg'r wtej cug'qh' QpDcug'uqhy ctg" uwduekr vkp"cpf " uwr r qtv'ht"qpg" {gct0'	&362.222" "	<ul style="list-style-type: none"> <li>• Dqctf "cr r tqxgf " hwpf lpi "O c { "5." 423; "</li> <li>• Gzgewgf "eqpvtcev" Lwn { "37."423; " "</li> </ul>	
Vgrgeqo o wplecvkpu" Ugtxlegu"	Ugrgev'xgpf qt *u+"v" r tqxkf g'mecn'mpi " fkucpeg."vrgo gvt {." kpvtpgv."egmwt" ugtxlegu."cpf "rj qpg" u{vgo "o ckpvpcpeg" hqt"c'yj tgg/{gct" r gtlqf "	&972.222" "	<ul style="list-style-type: none"> <li>• Tgrgcugf "THR" Qevdgt "7."423: "</li> <li>• Dqctf "cr r tqxgf " ugrgev'xgpf qtu" Lcpwt { "6."423; "</li> <li>• O ki tcvgf "cpf " wri tcf gf "ugtxlegu"</li> </ul>	"
Qhleg"587" K r ngo gpvcvkp"	Ces vktg"cpf " ko r ngo gpv'Qhleg" 587'ht'Uqwj 'Eqcu' CS O F "uxch"	&572.222" "	<ul style="list-style-type: none"> <li>• Rtg/cuuguu gpv" gxcnvcvkp"cpf " r mppkpi "eqo r ngvf "</li> <li>• Dqctf "cr r tqxgf " hwpf lpi "qp"Qevdgt" 7."423: "</li> <li>• F gxgnr gf " ko r ngo gpvcvkp" cpf "o ki tcvkp'r mp"</li> <li>• Ces vktg' "Qhleg" 587'hegpugu"</li> <li>• K r ngo gpvgf " Qhleg"587"go cki" *Gzej cpi g"cpf " o ki tcvgf "cm'wugtu"</li> </ul>	<ul style="list-style-type: none"> <li>• K r ngo gpv'Qhleg" 587'ht'ugtci g" *QpgF tkxg'ht" Dwukpguu+"cpf " o ki tcvg'wugtu"</li> <li>• K r ngo gpv'Qhleg" 587'kpvtpcn'y gdukg" *Uj ctgRqkv+"cpf " o ki tcvg'gzkvkpi " eqpvgpv'</li> </ul>

"  
"  
"  
"  
"  
"  
"  
"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Rgto kwkpi "U{uvgo " Cwqo cvkqp'Rj cug"3"	P gy "Y gd" cr r nlecvkqp"vq" cwqo cvg"vj g'hkpi " qh'cmr' gto k' cr r nlecvkqp'u'y kj " ko o gfkcvg" r tgeguupi "cpf " kuwcepeg"qh'r gto ku" hqt'ur gekhe" cr r nlecvkqp"v{r gu<" Ft{ "Engcpgtu."I cu" Ucvkqp"cpf " Cwqo qvkg"Ur tc{ " Dqqy u"	&8; 6.927"	<ul style="list-style-type: none"> <li>Rj cug"3"Cwqo cvgf " 622C"hqto "hkpi . " cr r nlecvkqp"r tgeguupi . " cpf "qprkpg"r gto k' i gpgtcvkqp"hq t " Ft { " Engcpgt "o qf wrg" f gr m{ gf "vq"r tqf wevkqp" eqo r rvgf "</li> <li>Hekrk{ "K "Etgcvkqp" O qf wrg" f gr m{ gf "vq" r tqf wevkqp"eqo r rvgf "</li> <li>Rj cug"3B"Cwqo cvgf " 622C"hqto "hkpi . " cr r nlecvkqp"r tgeguupi . " cpf "qprkpg"r gto k' i gpgtcvkqp"hq t " Cwqo qvkg"Ur tc{ " Dqqy "cpf "I cu"Ucvkqp" O qf wrg" f gr m{ gf "vq" r tqf wevkqp"eqo r rvgf "</li> <li>Gpj cpegf "ecrewrvkqp" qh'ugpukkg"tgegr vqt " f krcpegu"</li> <li>Gpj cpegf "r tgeguupi " qh'uej qqr'necvkqp" y kj "cuuqekcvgf "r ctegn"</li> <li>Wri tcf gf "I KUO cr " kvgi tcvkqp"cpf " gpj cpegf "ugpukkg" tgegr vqt "kf gpv hlecvkqp" cpf "f krcpeg" o gcwtgo gpv'y qtni</li> <li>Gpj cpegf "ecrewrvkqp" qh'ugpukkg"tgegr vqt " f krcpegu"</li> <li>F gr m{ gf "pgy "xgtukqp" qh'u{ uvgo "vq" r tqf wevkqp"</li> </ul>	<ul style="list-style-type: none"> <li>Eqpvkpwg'Rj cug" 3B"r tqlgev" qwtgcej "uwr r qtv"</li> </ul>

"  
"  
"  
"  
"  
"  
"



Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Rgto kwkpi "U{uvgo " Cwqo cwkpp'Rj sug" 4"	Gpj cpegf "Y gd" cr r rlecwkpp"q" cwqo cvg'hkpi " r t qeguu'qh'Rgto k' Cr r rlecwkppu."Twg" 444"gs wkr o gpv." cpf "tgi kmtcwkpp" r t qeguu'hqt'KE" gpi kpgu=" ko r ngo gpv" grgestqple'r gto k' hqrf gt"cpf " y qtnhry "hqt" kpgtpecl'Uqwj " Eqcu'CS O F " wugtu"	&747.222" "	<ul style="list-style-type: none"> <li>• Dqctf /"cr r tqxgf " kpkcln'Rj sug"4" hwpf kpi "F gego dgt" 4239"</li> <li>• Rj sug"4"r tqlgcv" uctwr "cpf "f gckl" r rppkpi "eqo r ngvf " O c{ "423: "</li> <li>• Dwukpguu'r t qeguu" o qf gn'cr r tqxgf "</li> <li>• F gxgnr o gpv'qh' P gi cwxg'Ck" O cej kpgu." DqkgtuY cvgt" J gcvgtuRtqeguu" J gcvgtu."Eqqkpi " Vqy gtu."Rqtcdng" J gcvgtu."cpf "Hqgf " Qxgpu'hkpi "r t qeguu" eqo r ngvf "</li> <li>• Dqctf "cr r tqxgf " tgo clpkpi "Rj sug"4" hwpf kpi "Qevdgt"7." 423: "</li> <li>• Cr r rlecwkpp" uwo kwnu."cpf "hqt " hkp "qh'P gi cwxg'Ck" O cej kpgu." DqkgtuY cvgt" J gcvgtuRtqeguu" J gcvgtu."Eqqkpi " Vqy gtu."Rqtcdng" J gcvgtu."cpf "Hqgf " Qxgpu."Ej ct"Dtqkgtu." Uo cm'Dqkgtu."cpf " Qki'Y gmu'r t qeguulpi " eqo r ngvf "</li> </ul>	<ul style="list-style-type: none"> <li>• Y kghtco gu."wugt" uqtkgu."cpf "eqf g" f gxgnr o gpv'hqt" Go gti gpe{ "Kpgtpecl' Eqo dwukpp'Gpi kpg=" P qp/Go gti gpe{ " Kpgtpecl'Eqo dwukpp" Gpi kpg="Ur tc{ " Dqqj 1Qr gp'Ur tc{ = Dqkgt 1J gcvgt=" Rctvwrcvg'O cvgt" EqptqnHcdtle'Hkgt" ó'Dci j qwugEctvki g" Eqngevt="Gzvgtpcl' Eqo dwukpp'Qxgp=" I cugqu'Go kuukpp" EqptqnHqto " Chgtdwtpgt 1Qzkl k gt=" I cugqu'Go kuukpp" EqptqnHqto " Cf uqtdgt"ó'Ectdqp." Qj gtu="Gzvgtpcl' Eqo dwukpp'Dwtp" Qh'HwtpcegulDtcng" F gdqpf gtulY cz " Dwtpqhh'Hwtpcegu=" Uetwddgt"</li> </ul>

"  
"  
"  
"  
"  
"  
"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Rgto kwkpi "U{uvgo " Cwqo cvkqp "Rj cug"4" *eqpvkpwgf +"	"	"	<ul style="list-style-type: none"> <li>• Cr r nlecvkqp"uwdo kwcnu." cpf "hqto 'hkrpi "qh"Vct" RqwuVct "Mgwngu."Cur j cnv" F c{ "Vcpngtu."cpf "Cur j cnv" Rcxgo gpv"J gcvgtu" eqo r rvggf "</li> <li>• Cr r nlecvkqp"uwdo kwcnu." cpf "hqto 'hkrpi "qh" Ci tlewnwtcn"Gpi kpgu."Æ" Gpi kpgu"cv"Tcf kq "Vqy gt." F kgugn"HwgnDqkgt."cpf " Hwgn"Emly kj "J gcvgt" eqo r rvggf "</li> <li>• Cr r nlecvkqp"uwdo kwcnu." cpf "hqto 'hkrpi "qh" F kgugn' Hwgrf "Dqkgtu."Hwgn"Emly kj "c"P qp/Grgextle" Uwr r ngo gpvcrn"J gcvgt." Hekrkkgu'y kj "P q"Y tkwgp" Rgto k'cpf "Go ku"Hqwt" Vqpu"qt"O qtg"qh"XQE" Go kuukpu"Rgt"l gct" Gs wkr o gpv."Kpvgtpcn" Eqo dwukqp"Gpi kpgu"cv" Tgo qvg"Tcf kq" Vtcpuo kuukqp"Vqy gt." Rtlpvkpi ."Eqcvkpi "( " F t{ kpi "Gs wkr o gpv."Qkl"( " I cu"Rtqf wevqp"Y gmu." P cwtenl cu"Y gmiJ gcf u." Y gmiRwo r u."Vtcpuhgt" Rwo r u"( "Tg/r tguwtk kpi " Gs wkr o gpv."cpf " Ci tlewnwtcn"Gpi kpg" eqo r rvggf "</li> <li>• Y kghtco gu."wugt"uvqtkgu." cpf "eqf g"f gxgnr o gpv"ht" tgi kvgtgf "go gti gpe{ "Æ" gpi kpgu'y kj "c"egtwhkf " gs wkr o gpv'r gto k' pwo dgt"eqo r rvggf "</li> </ul>	"

"  
"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
<p>Kphqto cvkqp"</p> <p>Vgej pqmji {"</p> <p>Tgxkgy "</p> <p>Ko r ngo gpvcvkqp"</p> <p>"</p>	<p>Ego r ngv"Dqctf "</p> <p>tgs wguvgf "</p> <p>Kphqto cvkqp"</p> <p>Vgej pqmji {"</p> <p>tgxkgy "cpf "kpkkcvg"</p> <p>y qtmq"</p> <p>ko r ngo gpvcvkqp"qh"</p> <p>ng{"</p> <p>tgeqo o gpf cvkqpu"</p> <p>"</p> <p>"</p>	<p>897.222"</p> <p>*hwpf kpi "</p> <p>kpenwf gf "kp"</p> <p>8572.222"Qhkeg"</p> <p>587"</p> <p>ko r ngo gpvcvkqp"</p> <p>r tqlgev"</p> <p>"</p>	<ul style="list-style-type: none"> <li>• Kpkkcvgf "Ko r ngo gpvcvkqp"</li> <li>Rncppkpi "cpf "Tguqwtg"</li> <li>Tgs wktgo gpvuhqt"ng{"</li> <li>tgeqo o gpf cvkqpu"</li> <li>• Ego r ngv"O letquqh"</li> <li>Rtqlgev'Rncp"tckpki "hqt"</li> <li>cm"KO "O cpci gtu."</li> <li>Uwr gtukqtu"cpf "</li> <li>Ugetgvctkgu"</li> <li>• Guvdrkuj gf "kpwtpcn"</li> <li>Kphqto cvkqp"Vgej pqmji {"</li> <li>Uvggtkpi "Ego o kwgg."</li> <li>o go dgtu"cpf "ej ctvgt"</li> <li>• Eqphki wgf "cpf "</li> <li>f gr mji gf "Rtqlgev"</li> <li>O cpci go gpvuhqhy ctg"</li> <li>hqt"KO "vgco "</li> </ul>	<ul style="list-style-type: none"> <li>• Qhkeg"587"</li> <li>f gr mji o gpv"</li> </ul>
<p>Rgto kv"Cr r rkecvkqp"</p> <p>Ucwu"cpf "</p> <p>F cuj dqctf "</p> <p>Ucvkukcu"</p>	<p>P gy "Y gd"</p> <p>cr r rkecvkqp"vq"</p> <p>cmqy "gpi kpggtu"vq"</p> <p>wrf cvg"</p> <p>kpwto gf kcvg"ucwuu"</p> <p>qh"cr r rkecvkqpu="</p> <p>etgcvg"f cuj dqctf "</p> <p>f kur rc{"qh"ucwuu"</p> <p>uwo o ct{"y kj "rkpm"</p> <p>vq"HRP F "hqt"</p> <p>gzvgtpcn"wugt"</p> <p>tgxkgy "</p> <p>"</p>	<p>8322.222"</p> <p>"</p>	<ul style="list-style-type: none"> <li>• Dqctf "cr r tqxgf "hwpf kpi "</li> <li>F gego dgt"4239"</li> <li>• Cr tki"423: "rtqlgev"</li> <li>uwtwr "cpf "f gvckl"</li> <li>r ncppkpi "ego r ngvgf "</li> <li>• Lxpg"423: "y kghtco g"</li> <li>cpf "wugt"uqti {"cr r tqxgf "</li> <li>hqt"Trgcug"3"</li> <li>• Wugt"uqti {"cpf "</li> <li>y kghtco g"cr r tqxgf "hqt"</li> <li>cr r rkecvkqp"ugctej "</li> <li>o qf wng"</li> <li>• Wugt"uqtkgu"cr r tqxgf "</li> <li>cpf "eqf kpi "ego r ngvgf "</li> <li>hqt"F cuj dqctf "F cvc"</li> <li>Gpvt {"uetggpu"</li> <li>• Eqf g"f gxgnr o gpvuhqt"</li> <li>Trgcug"3"ego r ngvgf "</li> <li>• Eqf g"f gxgnr o gpvuhqt"</li> <li>cr r rkecvkqp"ugctej "</li> <li>o qf wng"ego r ngvgf "</li> <li>• Wugt"ceegr vpeg"vgukpi "</li> <li>hqt"f cvc"ecr wtg"o qf wng"</li> <li>ego r ngvgf "</li> <li>• Wugt"ceegr vpeg"vgukpi "</li> <li>hqt"wugt"tgr qtvu"</li> <li>ego r ngvgf "</li> </ul>	<ul style="list-style-type: none"> <li>• Eqpvkpwg"wugt"</li> <li>f cvc"kp r w/hqt"</li> <li>cm"qr gp"</li> <li>cr r rkecvkqpu"</li> <li>• F gxgnr o gpv"</li> <li>qh"uugt"</li> <li>tgs wguvgf "</li> <li>gpj cpego gpv."</li> <li>kpenwf kpi "wugt"</li> <li>uqtkgu"cpf "</li> <li>eqf kpi "</li> <li>"</li> </ul>

"

"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Rgto k/Cr r rlecvkqp" Ucwu"cpf " F cuj dqctf "Ucwkueu" *eqpvkpwgf +"	"	"	<ul style="list-style-type: none"> <li>• Kpwtpcnlf gr m{ o gpv'qh' cr r rlecvkqp'hqt " gpi kpggtu'v'q' r qr wrcvg" cr r rlecvkqp'tgrv'gf "f c'c" eqo r r'v'gf "</li> <li>• F gr m{ o gpv'qh'gz vgtpcn' cr r rlecvkqp"*cpf "h'p'ngf " v'q'HkP F +hqt'tgi wrcvgf " eqo o w'p'k'v' "v'q'x'kgy " cr r rlecvkqp'tgrv'gf "f c'c" eqo r r'v'gf "</li> </ul>	"
Ci gpf c"Vtcentkpi " U{u'vgo "Tgr n'ego gpv"	Tgr n'eg"ci kpi " ewu'qo "ci gpf c" v'centkpi "u{u'vgo " y k'j "u'v'g/qh'v'j g/ ctv"equ'v'gh'g'ev'k'g" Gp'v'gtr t'kug'Eqp'v'gpv" O c'pci go gpv" *GEO +u{u'vgo . " y j k'ej "ku'h'm'v'{" k'p'v'gi t'c'v'gf "y k'j " Qp'Dcug."U'q'w'j " Eq'cu'v'CS O F a" ci g'p'e{/y k'f g'GEO " u{u'vgo "	& 8.822" "	<ul style="list-style-type: none"> <li>• Tgr'g'cugf "THR" F g'ego d'gt"6."4237"</li> <li>• Cy c'tf g'f "eqp't'cev" Cr t'k'i"3."4238"</li> <li>• Eqp'v'k'p'w'g'f "r c't'c'm'g'n' v'g'u'k'p'i "</li> <li>• Eqp'f w'ev'gf "u'w't'x'g'{"q'h" u'v'c'ng'j q'r'f g't'uc'v'k'uh'c'ev'k'p'p"</li> <li>• Cu'c't'g'u'w'n'q'h'v'j g'u'w't'x'g'{" t'g'u'r q'p'u'g'u."v'j g'f'g'ek'uk'p'p" y cu'o c'f g'v'q'f'g'x'g'n'r "c" ewu'qo "w'ug't'k'p'v'g't'h'c'eg" h'q't'v'j g'c'r r rlecvkqp"</li> <li>• T'g'x'k'ug'f "r t'q'l'g'ev'ue'q'r g'v'q" k'p'e'n'f g'ewu'qo "w'ug't" k'p'v'g't'h'c'eg"</li> <li>• F g'x'g'n'r g'f "r n'ep"cpf " ue'j g'f w'g'h'q't't'g'x'k'ug'f " ue'q'r g'"</li> </ul>	K'g'p'v'h'{"h'w'p'f k'p'i " u'q'w't'eg"
F qewo gpv" Eqpxgtukqp"Ugtxlegu"	F qewo gpv" Eqpxgtukqp" Ugtxlegu'v'q'eqpxgtv" r c'r g't'f qewo gpw" u'q't'g'f "cv'U'q'w'j " Eq'cu'v'CS O F " h'c'ek'k'k'g'u'v'q" g'g'ev't'q'p'le"u'q't'c'i g" k'p'Qp'Dcug"	& 5.222" "	<ul style="list-style-type: none"> <li>• Tgr'g'cugf "THS " Q'ev'q'd'g't"7."423: "</li> <li>• Cr r t'q'x'g'f "s w'c'r'k'h'g'f " x'g'p'f q't'u'L'c'p'w'c't{"6." 423; "</li> <li>• G'z'g'ew'g'f "r w't'ej c'ug" q't'f g't'u'h'q't'ue'c'p'p'k'p'i " u'g't'x'legu"</li> <li>• Eqpxgtv'g'f "q'x'g't"572.222" t'w'g'c'f o k'p'k'w't'c'v'k'g" t'g'e'q't'f "f qewo gpw'h'q't" R'c'p'p'k'p'i "cpf "T'w'g'u"</li> </ul>	• Eqpxgtv'q'x'g't" 3.222.222" eqp't'cev' f qewo gpw'h'q't" V'g'ej p'q'r'q'i {" C'f x'c'p'ego gpv" Q'h'h'eg'"

"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Tgr mēg' [ qwt' T k' g' ] *T [ T + "	P gy "Y gd" cr r rēcvkqp "vq" cmqy " tgukf gpvu "vq" cr r n' "hqt" kpegpvkxgu "vq" r wtej cug "pgy gt. "rguu" r qmwkpi "xgi kengu"	8523.: 42" "	<ul style="list-style-type: none"> <li>Rj cug "4" Hwpf " Cmjecvqp. " Cf o kpkwtcvkqp "cpf " O cpci go gpv " Tgr qtvpki "o qf wgu " f gr m { gf "cpf "kp " r tqf wevqp "</li> <li>Hkpcn Rj cug "4" wugt " tgs wguvgf " gpj cpego gpvu &lt; XRP " P wo dgt. "Ecug " O cpci gt. "Cwq "g/o ckn " cpf "f qewo gpv' hkdct { " w f cvgu "f gr m { gf "vq " r tqf wevqp "</li> <li>Rj cug "5" F cvc " O ki tcvkqp " f gxgnr o gpv' y qtm " eqo r rguvgf "</li> <li>Rj cug "5" wugt "cr r tqxcn " hqt "r tqf wevqp "</li> <li>K r ngo gpvcvqp "qh " Gngvle "Xgi keng " Ugtxleg "Gs vkr o gpv " cpf "cngtpcvkxg "o qf g " qh' tēpur qtvcvqp "kp " y g' T [ T "cr r rēcvkqp "</li> <li>Cr r tqxcn' qh' f cvc " o ki tcvkqp "</li> <li>Cr r tqxcn' qh' Rj cug "5 " o qxg "vq "r tqf wevqp "</li> </ul>	<ul style="list-style-type: none"> <li>K r ngo gpvcvqp " qh' T [ T "cpf " Rgqr rgUqlw " Hkpcpekn " kpvgi tcvkqp " o qf wrg "</li> </ul>
Uqwj "Eqcu' CS OF " O qdkg "Cr r rēcvkqp " hqt "QU' f gxlegu " Rj cug "4 "	Gpj cpego gpv' qh " O qdkg "cr r rēcvkqp " y kj "cf f kkp "qh " Gpj cpegf " P qv' hēcvkqp. " Eqo r rēkp' Hkpi " cpf "Hēkky { " kphqto cvkqp "F gvckn "	8322.222 " "	<ul style="list-style-type: none"> <li>Rtqlgev' ej ctvgt " tgrgcugf "</li> <li>Rtqr qucn' tgegkxgf "</li> <li>Vcun' qtf gt "kuwgf "</li> </ul>	<ul style="list-style-type: none"> <li>U { ugo " f gxgnr o gpv' kp " r tqi tguu "</li> </ul>

"  
"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
<p>Ngj cniF kxkukqp"P gy "</p> <p>U{uugo "</p> <p>F gxgnqr o gpv"</p>	<p>F gxgnqr "pgy "y gd/</p> <p>dcugf "ecug"</p> <p>o cpci go gpv'u{uugo "</p> <p>hqt"Ngj cniF kxkukqp"vq"</p> <p>tgr nceg"gz kulkpi "</p> <p>LY qtmu"U{uugo "</p>	<p>&amp;722.222"</p> <p>"</p>	<ul style="list-style-type: none"> <li>• Vcunlqtf gt"kuuwgf."</li> <li>• gxcnecvuf "cpf "</li> <li>• cy ctf gf "</li> <li>• Rtqlgev'lpkckvuf ".cpf "</li> <li>• r tqlgev'ej ctvgt "</li> <li>• hpcrk gf "</li> <li>• Dwukpguu"Rtqeguu"</li> <li>• O qf grleqo r ngvuf ""</li> <li>• Dwukpguu"Rtqeguu"</li> <li>• O qf grleqo r ngvuf ""</li> <li>• Ur tlv3."4"cpf "5"</li> <li>• hpevkvpcn'cpf "u{uugo "</li> <li>• f guki p"eqo r ngvuf "</li> </ul>	<ul style="list-style-type: none"> <li>• "Vgukpi "WC V+"</li> <li>• hqt"Ur tlv3."4"</li> <li>• cpf "5&lt;P QXu."</li> <li>• O URCR."Ekkn"</li> <li>• cpf "Uo cniEncko u"</li> <li>• Ur tlv6"</li> <li>• F gxgnqr o gpv&lt;</li> <li>• Etlo kpcn'cpf "</li> <li>• pqp/P QX"ecugu"</li> <li>• "</li> </ul>
<p>Hrtg"Gxgpv"</p> <p>P qvhecvkqp"o"Twg"</p> <p>333: ""</p>	<p>F gxgnqr "pgy "y gd/</p> <p>dcugf "cr r ncecvkqp"vq"</p> <p>eqo r n{ "y kj "Twg"</p> <p>333: "vq"ko r tqxg"</p> <p>ewtgpv'hrtg"</p> <p>pqvhecvkqp"vq"y g"</p> <p>r wdne"cpf "uvch"</p>	<p>&amp;322.222"</p> <p>"</p>	<ul style="list-style-type: none"> <li>• Xkukqp"cpf "Ueqr g"</li> <li>• kuuwgf ""</li> <li>• Ej ctvgt "F qewo gpv"</li> <li>• cpf "r tqr qucn"</li> <li>• cr r tqxgf "</li> <li>• Vcunlqtf gt"vq"dg"</li> <li>• kuuwgf "</li> <li>• Tgs vktgo gpv"</li> <li>• i cvj gtlpi "hqt"Ur tlv3"</li> <li>• ( "4"eqo r ngvuf "</li> <li>• U{uugo "F guki p"hqt"</li> <li>• Ur tlv3"( "4"</li> <li>• eqo r ngvuf "</li> <li>• Tgs vktgo gpv"</li> <li>• i cvj gtlpi "hqt"Ur tlv5"</li> <li>• eqo r ngvuf "</li> <li>• U{uugo "f guki p"hqt"</li> <li>• Ur tlv5"eqo r ngvuf "</li> <li>• Ego r rkepeg"</li> <li>• kvgi tcvkqp"f guki p"</li> <li>• eqo r ngvuf "</li> <li>• F cvc"o qf gr'cr r tqxgf "</li> <li>• hqt"Ur tlv3."4."cpf "5"</li> <li>• Eqpvkpcvkvkqp"qh"</li> <li>• Ur tlv6"</li> <li>• Ego r ngvkvkqp"qh"Rwdne"</li> <li>• Rqtvcn'</li> <li>• K6 r ngo gpvcvkvkqp"</li> </ul>	<ul style="list-style-type: none"> <li>• F gxgnqr o gpv'qh"</li> <li>• O clqt"Kpelf gpv"</li> <li>• pqvhecvkqp"</li> <li>• hpevkvkqp"</li> <li>• F gr n{ o gpv'vq"</li> <li>• r tqf wevkvkqp"</li> </ul>

"

"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
XY "Gpxktqpo gpvcn" O kki cvkqp "Cevkqp" Rncp "Rtqlgev" "	ECTD"j cu'cuuki pgf " Uqwj "Eqcuw"CS O F " vq'f gxgnr "y gd" cr r rdecvkqp'hqt "y q" r tqlgevu<\ gtq/ Go kuukqp "Ercuu": " Htgi j v'cpf "Rqt v" F tc {ci g "Vtwem" Rtqlgev"( " Eqo dwukqp "Htgi j v" cpf "O ctkpg"Rtqlgev0" Uqwj "Eqcuw"CS O F " ku'tgur qpukdrg'hqt " f gxgnr lpi "c'y gd" cr r rdecvkqp'hqt "dqj " kpegpvkxg'r tqi tco u." cpf "o ckpvcklpi "c" f cvdcug"j cv'y km'dg" s vgtkgf "hqt "tgr qt vki " r gtur gevkgu'hqt " ECTD" "	&577.222" "	<ul style="list-style-type: none"> <li>• F tchv'Ej ctvgt " F qewo gpv'kuuwgf "</li> <li>• Rtqlgev'kpkcvkqp " eqo r rnvgf "</li> <li>• Vcumiqtfgt "kuuwgf "</li> <li>• F gvckrgf "u{ uvg " " f guki p'hqt "Rj cug"3"</li> <li>• U{ uvg "F gxgnr o gpv" hqt "Rj cug"3"eqo r rnvgf "</li> </ul>	<ul style="list-style-type: none"> <li>• U{ uvg "Dgvc " Vgukpi "</li> <li>• U{ uvg " " F gr m{ o gpv'vq " r tqf wevkqp "</li> </ul>
CS /URGE "Enqwf " Rrcvhqto "	F gxgnr "c"enqwf / dcugf "r rrvhqt "vq " o cpci g"cpf " xkuwck g'f cvc " eqmgev "d{ "mgy / equv'ugpuqtu"	&5: 7.722" "	<ul style="list-style-type: none"> <li>• VcumiQtf gt "kuuwgf "</li> <li>• Rtqr qucu'tgeglxgf "</li> <li>• VcumiQtf gt "cy ctf gf "</li> <li>• Dwukpguu " Tgs vktgo gpv " I cvj gtlpi "eqo r rnvgf "</li> <li>• Ur tlpv'3"eqo r rnvgf " *U{ uvg "Ctej kgewt g." F cvc "Uqtci g'F guki p." F cvc "kpi gukqp+ " eqo r rnvgf "</li> <li>• Ur tlpv'4"eqo r rnvgf " *F cvc " Vtcpuht "o cvkpu." Ecrewcvkpu."cpf " Cxgtci lpi +"</li> <li>• Ur tlpv'5"eqo r rnvgf " *F cuj dqctf u." O letqukgu."F cvc " O ki tcvkqp+eqo r rnvgf "</li> </ul>	<ul style="list-style-type: none"> <li>• Ur tlpv'6 " F gxgnr o gpv "</li> <li>• Tgrgcug"4 "Wugt " Ccegr wpeg " Vgukpi "cpf " F gr m{ o gpv "</li> </ul>

"  
"  
"  
"

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
CS /URGE "Emwf " Rrvhqt "eqpvkpwgf +"	F gxgnr "c"emwf / dcuf "r rvhqt "v" o cpci g"cpf " xkuwrk g"f cvc" eqmgev f "d { "hgy / equv'ugpuqtu"	&5: 7.722" "	<ul style="list-style-type: none"> <li>Tgrgcug"3"*Ur tlvu"3/ 5+"Wugt "Ceegr vpeg" Vgukpi "cpf " F gr m { o gpv" eqo r rvgf</li> <li>Ur tlvu"6" Tgs wkt go gpv" I cyj gtlpi "eqo r rvgf</li> </ul>	<ul style="list-style-type: none"> <li>Ur tlvu"6" F gxgnr o gpv"</li> <li>Tgrgcug"4"Wugt " Ceegr vpeg" Vgukpi "cpf " F gr m { o gpv</li> </ul>
Rgqr rgUqlv" Grgvtqple" Tgs wkukqp"	Uqwj "Eqcu'CS O F " ku'lo r ngo gpvki " grgvtqple"tgs wkukqp" hqt "Rgqr rgUqlv" Hkpcpeknu0Vj ku'y kni' cmqy "uwo kxci'qh" tgs wkukqpu"qprkpg0" Cffklqpcn'dgpgkhu" kpenwf g"tcentpi "qh" o wnr rg'rgxgu'qh" cr r txcn "grgvtqple" ctej kxci'qh" tgs wkukqp" f qewo gpv. "r tg/ gpewo dtcpeg'qh" dwf i gv. "cpf " utgco rkp g f " y qtnhmy 0'	&97.: 22" "	<ul style="list-style-type: none"> <li>Rtqlgev'Ej ctvgt " Cr r txcg f " VcumiQtf gt "Kuwwf " Rtqr qucn'Tgegkxgf " VcumiQtf gt "Cy ctf gf " Tgs wkt go gpv" I cyj gtlpi "hqt "Ur tlvu"3" Ego r rvgf "</li> <li>F guki p "hqt "Ur tlvu"3" Ego r rvgf "</li> <li>Eqf g'F gxgnr o gpv" hqt "Ur tlvu"3" Wugt "Ceegr vpeg" Vgukpi "WC V+hqt " Ur tlvu"3"</li> <li>F guki p "hqt "Ur tlvu"4" Eqf g'F gxgnr o gpv" hqt "Ur tlvu"4" WC V+hqt "Ur tlvu"4"</li> </ul>	<ul style="list-style-type: none"> <li>Kpvi tcvf "wugt" vguvki "</li> </ul>
F cvc"Ecdrg" Kphtcutwewtg" Kpuvcmvqp"	Vj g'f cvc"ecdrg" kphcutwewtg'lp" egtvclp"ctgcu'qh'v'j g" dwkf lpi "cv'Uqwj " Eqcu'CS O F "ku" pqp/gz kvgpv'qt" qwf cvgf 0Uchh'ku" uggnlpi "c"xgpf qt "v" kpuvcm'c'hw m "wtpng { " f cvc"ecdrg" kphcutwewtg'u { ugo " y kj "v'j g"rvguv" vgej plecn' ur gekkcvkpu"v'j cv' ecp'r tqxkf g" eqppgevkxk { "cpf "c" dtqcf gt" pgvy qtnidcpf y kf vj 0'	&432.222" *Guvo cvgf " Co qwpv+"	<ul style="list-style-type: none"> <li>Tgrgcugf "THR'Lwn { "34." 423; " "</li> </ul>	<ul style="list-style-type: none"> <li>Dqctf "cr r txcn" Qevdgt "6."423; "</li> <li>Gzgewg'eqpv'cev' P qxgo dgt "34." 423; "</li> <li>Ego r rvg " ko r ngo gpv'vqp" Hgdwtct { "4: ." 4242"</li> </ul>



"  
"

Rtqlgevu'yj cvj cxg'dggp'eqo r rvgf 'y kj kp'yj g'ruv'34'o qpyj u'ctg'uj qy p'dgmjy O'	
Completed Projects	
Rtqlgev'	F cvg'Ego r rvgf "
CD839"ó'Ego o wplv'O qpkqtkpi 'F cvc'F kur rc{ 'Y gd'Cr r nkecvkp"	Lxw{ "; ."423; "
Qprkpg'hkpi "qh'Twrg"3637/"Tgf wevkp"qh'Tghki gtcpv'Go kuukpu'U{uvgo "	Lxpg'7."423; "
Uqwj 'Eqcu'CS OF 'O qdkg'Cr r nkecvkp'hqt'Cpf tqkf 'f gxlegu"	O c{ "52."423; "
Tgpgy cni'qh'J R'Ugtxgt'O clpvgpcpeg"( "Uwr r qtv"	Cr tkl'52."423; "
K r ngo gpwcvkp"qh'Gpvgr tkug'I gqi tcr j le"Kphqto cvkp"U{uvgo "GI KU'Rj cug"KK'	O ctej "33."423; "
ENCUU'F cxdcug'Uqhy ctg'Nlegpukpi "cpf 'Uwr r qtv"	P qxgo dgt'52."423: "
Uqwj 'Eqcu'CS OF 'O qdkg'Cr r nkecvkp'hqt'kQU'f gxlegu'Rj cug'3"	P qxgo dgt'4."423: "

"

DQCTF "O GGVKPI 'F CVG<"Ugr vgo dgt'8."423; "

CI GPFC'P Q0"38"

TGRQTV<"

Cf o kpkutcvkxg'Eqo o kwegg"

U PQRUKU"

Vj g'Cf o kpkutcvkxg'Eqo o kwegg"j grf "c"o ggvpki "qp"Hkf c{." Lwn{ '3; .423; 0"Vj g'hqmqy kpi 'ku"cuwo o ct{ "qh"vj g"o ggvpki 0'

TGEQO O GPFGF 'CEVKQP <"

Tgegkxg"cpf 'hkg0'

Ft0Y knko 'C0Dwtng.'Ej ckt"

Cf o kpkutcvkxg'Eqo o kwegg"

px"

### **Committee Members**

Rtgugpv<"Ft0Y knko 'C0Dwtng'Ej ckt"\*xkf gqeqphgtgpeg+"'

Eqwpeki'O go dgt'Dgp'DgpqkvXkxg'Ej ckt"

O c{qt'Lwf kj 'O keij gmi"xkf gqeqphgtgpeg+"'

Cdugpv<"Eqwpeki'O go dgt'O keij cgr'Eceekqwk'

### **Call to Order**

Ej ckt'Dwtng'ecmgf "vj g"o ggvpki "v"qtf gt'cv32<22"cu 0'

### **DISCUSSION ITEMS:**

- 1. Board Members' Concerns:** P qpg'vq'tgr qtv0
- 2. Chairman's Report of Approved Travel:** Cu'pqvgf "qp"vj g'vxcxgn'tgr qtv  
Eqwpeki'O go dgt'Dgpqkv'y knr'tgugpv'cv'vj g'EEGGD'Uwo o gt'Kuugv'Ugo kpct'kp  
Us wcy 'Xcmg{.'EC"qp'Lwn{ '43/47."423; "cpf 'O c{qt'O keij gmi'qp'Lwn{ '45/46."423; 0  
O c{qt'O keij gmi'y kn'cnuq"cwgpv'vj g"o qpvy n{ 'ECTD'Dqctf "o ggvpki "cu'Uqwj  
Eqcu'CS O F w'tgr'tgugpv'v'xg'kp"Ucetco gpvq'qp'Lwn{ '46/47."423; 0

3. **Report of Approved Out-of-Country Travel**—P qpg'vq'tgr qt v0'  
"
4. **Review September 6, 2019 Governing Board Agenda**—Y c { pg'P cutk"  
Gzgewkxg'Qhhegt.'tgr qt vgf 'y cv'y g'Dqctf 'y km'dg'tgxky kpi 'y g'eqo o wpkv{ "  
go kuukpu'tgf wevkp'r rpu'cpf 'ugrgevqp'qh'CD'839'eqo o wpkkgu0""Vj gtg'y km'dg"  
c'rti g'eqo o wpkv{ 'r tgupeg'd { 'y qug'kpvgtguvgf 'kp'y g'ugrgevqp'qh'y gk "  
eqo o wpkkgu'cpf 'y g'o gcuwgu'kp'y g'go kuukpu'tgf wevkp'r rpu0""  
"
5. **Approval of Compensation for Board Member Assistant(s)/Consultant(s):**  
Uwr gtxkuqt'Lcpk'g'J cj p'j cu'ugrgev'c'pgy 'Dqctf 'Eqpuwncpv.'O cwj gy 'Laj puqp."  
ghhgevkg'Cwi wuv'3.'423; 0""  
"  
O qxgf 'd { 'O kej gm'ugeqpf gf 'd { 'Dgpqk.'wpcpk qwun{ 'cr r txxgf 0""  
"  
C { gu<" Dwtng.'Dgpqk.'O kej gm'  
P qgu<" P qpg"  
Cdugpv<" Eceekqwk"  
"
6. **Bid Evaluation Panel for RFP to Select Consultant for Research Proposal for the Health Study of Impacts of Well Rupture at Aliso Canyon**—F kgevqt"  
qh'Ego o wpkv{ 'Ck'Rtqi tco ulJ gcmj 'Ghgeu'Qhhegt'Lq'Mc { 'I j quj 'tgr qt vgf 'y cv'  
qpg'r tqr qucn'y cu'tgegkxgf 0""Vj g'hqwt'tgego o gpf gf 'r cpgn'o go dgtu'vq'gxcnxcvg"  
y g'r tqr qucn'ctg'c'WE'Tkxgtukf g'Rtqhguuqt'kp'y g'F gr ctvo gpv'qh'O gej cplecn'  
Gpi kpggtkpi =c'Ugpkqt'Tgugcte'j 'Uelgpvku'htqo 'P cvkqpcn'Gzr quwtg'Tgugcte'j "  
Ncdqtcvqt { .WU0GRC=y g'Ej kgh'qh'Ck'Vqzleqmj { 'cpf 'TkmiCuuguu gpv'Ugevqp"  
htqo 'y g'Qhhegt'qh'Gpxkqpo gpvclJ gcmj 'J c| ctf 'Cuuguu gpv=cpf 'c'Ugpkqt"  
O gvgqtqmj ku'htqo 'Uqwj 'Eqcu'CS O F 0'  
"
7. **Status Report on Major Ongoing and Upcoming Projects for Information Management:** Kphqto cvkp'Vgej pqmj { 'O cpci gt'O ctmJ gpplki gt'tgr qt vgf 'y cv'  
cv'y g'dgi kplki 'qh'Lwn{ .'y g'CD'839'eqo o wpkv{ 'o qpkqtkpi 'y gdukg'y cu"  
rwpej gf 0'O c { qt'O kej gm'gztguvgf 'i tcvkwf g'ht'cm'qh'y g'uqhwy ctg'r tqi tco u"  
y cv'ctg'pqy 'kp'r meg'y j kej 'gpcdng'y g'r gto k'cr r necvkp'r tqegu'vq'twp'o wej "  
uo qqy gt0'  
"

## **ACTION ITEMS:**

8. **Amend Contract to Implement Advanced Building Energy Management Projects:** F gr ww{ 'Gzgewkxg'Qhhegt'Kf o kpkutcvkxg'cpf 'J wo cp'Tguwtegu'Laj p"  
Qrxgtc'tgr qt vgf 'y cv'y ku'kgo 'ku'vq'co gpf 'c'eqptcev'y kj 'Y knf cp'Gpgti { "  
Uqnwkpu'vq'ko r ngo gpv'cf xcpegf 'dwkf kpi 'gpgti { 'o cpci go gpv'r tqlgewu'ht'y g'  
Uqwj 'Eqcu'CS O F 'dwkf kpi . 'kpetgculpi 'y g'eqptcev'd { 'cp'cf f kkpnci'co qwpv"  
pqv'vq'gzegf '&887.2220'Y knf cp'y km'dg'ko r ngo gpv'ki 'ugxgtcn'r tg/eqo o gtelen'  
ghhekgpe { 'r tqlgewu'ht'y g'dwkf kpi 0""Vj gug'r tqlgewu'ctg'dgkpi 'hwpf gf 'y tqwi j "c"

&5Q "o krlqp'EGE"i tcpv'cy ctf "cpf "&404"o krlqp'htqo "Uqwj 'Eqcu'CS O F 0"Vj g" r tqlgevu'y krl'petgcug'yj g"ghlekpe{"qh'yj g'dwrf lpi "d{"qxgt"42'r gtegpv0F t0Dwtng" cunf'cdqw'o clpvgpcpeg"qh'yj g'gzkrlpi "eqqrlpi "vqy gtu0"O t0Qrkgtc'tgur qpf gf " yj cv'yj g'gs wkr o gpv'pqto cmf "j cu'c"42/{ gct"rhgur cp."dwj cxg'dggp"o clpvcpgf " qxgt'yj g'rcu'52"{ gctu'cu'dguv'cu'r quukdr0"

O qxgf "d{"Dgpqk="ugeqpf gf "d{"O ke j gm'wpcplo qwunf "cr r tqxgf 0"

C {gu<" Dwtng."Dgpqk."O ke j gm'

P qgu<" P qpg"

Cdugpv<" Eceekqwk'

**9. Amend Contracts for Legislative Representation in Sacramento, California:**

F gr wwf "Gzgewkxg"Qhlegt Ngi kur'kxg."Rwdrlc"Chcktu("O gf kc"F gttkmlCrcvqttg" tgr qtvgf "yj cv'yj ku'kgo "ku'vq"cr r tqr tlcvg'hwf u'cpf "co gpf "eqptcew'ht"y q"qh'yj g" ucvg'ngi kur'kxg"eqpuwncpu0"Kp"4239."yj g'ht o "qh'I qpucrkgu."S wkpvcpc("J wpgt" f kuukrkf "cpf "ur rk'lpvq"y q"ugr ctcvg'gpvklgu0"Vj g'qtki kpcn'eqptcevhqt" I qpucrkgu."S wkpvcpc("J wpgt"y cu'ht"&428.222"cpf "y cu'gxgnf "ur rk'dgy ggp" yj g'y q"gpvklgu."y kj "gcej "tgegkxpi "&325.222"cppwcmf 0"Vj ku'kgo "ku'vq'kpetgcug" eqo r gpucvqp'ht"dqj "ht o u'o "Ecrkhtplc"Cf xkuqtu."NNE."cpf "S wkpvcpc"Y cwu("J ctvo cpp'o "lp'yj g'co qwpv'qh"&5; .722"gcej "uq'yj cv'yj g{"j cxg"gs wcn" eqo r gpucvqp'cu'I qpucrkgu("Uqp."yj g'yj kf "eqpuwncpi "ht o "ht'yj g"Uqwj 'Eqcu' CS O F 0"F t0Dwtng"lps wktgf "cdqw'yj g'f wtcvqp"qh'yj g"eqptcew0"O t0Crcvqttg" tgur qpf gf "yj cv'yj g'eqptcew'ku'htqo "Lcpwt{"3."423; "yj tqwi j "F gego dgt"53."423; ." y kj "y q"qr wqpu"vq"gzvgpf 0"F t0Dwtng"ucvgf "yj cv'eqpuwncpu"uj qwf "i gv'gs wcn" r c{"ht"f qkpi "gs wcn'y qtn0"O c{qt "O ke j gm'lps wktgf "kh'yj g'kpetgcugu'i q'lpvq"ghgev" ko o gf kcvgnf "r tkqt "vq'yj g'gpf "qh'yj gk "eqptcew0"O t0Crcvqttg'tgur qpf gf "{ gu0"

O qxgf "d{"O ke j gm="ugeqpf gf "d{"Dgpqk."wpcplo qwunf "cr r tqxgf 0"

C {gu<" Dwtng."Dgpqk."O ke j gm'

P qgu<" P qpg"

Cdugpv<" Eceekqwk'

**10. Local Government & Small Business Assistance Advisory Group Minutes for the March 8, 2019 Meeting:** O t0Crcvqttg'tgr qtvgf "yj cv'yj ku'kgo "ku'c'y tkvgp" tgr qt0"

**OTHER MATTERS:**

**110 Other Business:**

Vj gtg'y cu'pq"qvj gt "dwulpgu0"

**12." Public Comment Period:**

Dkn'NcO ctt.'Gzgewkxg'F kt gevqt'hqt'vj g'Ecrkhtpkc'Uo cm'Dwukpguu'Cmkcpeg."  
cungf'j qy "q'ceeguu'CD'839'ckt'o qpkxqtkpi 'f cxc0'O t0J gpplpi gt'f kt gevgt 'O t0'  
NcO ctt'q'vj g'CD'839'dcppgt"qp'vj g'j qo gr ci g'qh'vj g'Uqwj 'Eqcu'CS O F "  
y gdukgy j gtg'vj g'CD'839'ckt'o qpkxqtkpi 'f cxc'ku'ceeguukdng0'

"

**13. Next Meeting Date"**

" Vj g'pgzv'tgi wrct'Cfo kpkwtcvkxg'Ego o kwgg'o ggkpi 'ku'uej gf wrgf'hqt'Ugr vgo dgt"  
35.'423; "cv'32-22"cb 0'

"

**Adjournment**

Vj g'o ggkpi 'cf lqwtpgf "cv'32-39"cb 0'

"

**Attachment**

O ctej ': .423; "Nqecn'I qxgtpo gpv'( "Uo cm'Dwukpguu'Cuukxcpeg'Cf xkuqt { 'I tqwr "  
O ggkpi 'O kpwgu"



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

"

## LOCAL GOVERNMENT & SMALL BUSINESS ASSISTANCE ADVISORY GROUP FRIDAY, MARCH 8, 2019 MEETING MINUTES

### MEMBERS PRESENT:

X00 cpwgnRgtgl . "Uwr gtxkuqt"  
Tcej gmg' Ctkl o gpf k' O c { qt' Rtq' Vgo r qtg. 'Ekv { 'qh' Ukgttc' O cf tg"  
Rcwi Cxkrc. "R0D0C0( "Cuuqekcvgu"  
I gqhtg { "Drcng. 'O gvcn' Hkpkuj gtu' qh' Uqwj gtp' Ecrkhtpklc"  
Lqj p' F gY kw. 'LG' F gY kw. 'Kpe0"  
Dkn' NeO ctt. 'Ecrkhtpklc' Uo cmi' Dwukpguu' Cmkcpeg"  
Tkc' Nqqh' Tcf Vgej 'Kpvgtpcvkqpcn"  
Gf f kg' O cts wgl . 'Tqqhkp' 'Eqpvtcevtu' Cuuqekcvkqp"  
F cxkf 'Tqvj dctv. 'Nqu' Cpi grgu' Eqwpv { 'Ucpkcvkqp' F kntlev"  
"

### MEMBERS ABSENT:

Dgp' Dgpqkv. 'Eqwpekn' O go dgt' cpf 'NI UDC' Ej ckto cp"  
F t0Erctm' G0Rctngt. 'Ut0' Ugpcvg' Twgu' Ego o kwgg' Cr r qkpvgg"  
Lcpleg' Twj gthqtf . 'Uwr gtxkuqt. 'Ugeqpf 'F kntlev. 'Ucp' Dgtptcf kpq' Eqwpv { "  
Hgrkr g' Ci vkttg"  
Vqf f' Eco r dgm' Ergcp' Gpgti { "  
NcXcwi j p' F cplgn' F cpeqGP "  
E { pyj lc' O qtcp. 'Eqwpekn' O go dgt. 'Ekv { 'qh' Ej kpq' J kmu"  
"

### OTHERS PRESENT:

O ctm' Cdtco qy kv . 'Dqctf 'O go dgt' Eqpuwncpv"  
"

### SOUTH COAST AQMD STAFF:

F gttleni' Crcvqttg. 'F gr ww { 'Gz gewkxg' Qhleg"  
P cpe { 'Hgrf o cp. 'Rtlpekr cni' F gr ww { 'F kntlev' Eqwpugri"  
Cpf tgc' Rqrkf qtk' Rj (F 0' Cvo qur j gtle' O gcwrtgo gpw' O cpci gt"  
Rj kkr 'Etcddg' KK' Rwdnle' Chhcktu' O cpci gt"  
F g' I tqpgxgrf . 'Ut0' Kphqto cvkqp' Vgej pqm { 'Ur gekcrkv"  
Xcp' F qcp. 'CS' Kpur gevqt' KK'  
Uce { 'I ctekc. 'Ugetgvct { "  
"  
"

### Agenda Item #1 - Call to Order/Opening Remarks"

O t0X00 cpwgnRgtgl 'ecmgf 'y g' o ggkpi 'v' q' qtf gt' cv33-57' c0 0'  
"

**Agenda Item #2 – Approval of February 8, 2019 Meeting Minutes/Review of Follow-Up/Action Items**

O t0Rgt gl "ecmgf "hqt"cr r tqxcn'qh'vj g'Hgdtwct { ". "423; "o ggkpi "o kpwgu0"Vj g'o kpwgu'y gtg"cr r tqxgf 0"  
"

**Agenda Item #3 – Review of Follow Up/Action Items**

O t0F gttkmiCrcvqttg'ucv'gf "vj cv'vj g'qpn { "cevkp"kg'o "Itqo "rcuv'o qp'y "y cu'c'r tgu'pvcvkp"qp"vj g'Xqvg" "  
F kntlevCwj qtk' cvkq'p'Dkm'y j lej "ku'kgo "7"qp"qf c { "ci gpf c0"  
"

O t0Crcvqttg'uckf "vj cv'rcuv" { gct" c'tgs wgu'y cu'o cf g'hqt"cm'ij tgg'Cuugo dn { "Dkm"CD+839'Ego o wpk { "  
Uegtkpi "Ego o kwgg'tquvgtu0"Cm'itquvgtu'y gtg" g'o ckgf "vq"vj g'i tqwr "qp'O ctej "3".423; 0"

O t0Dkm'NcO ctt" cun'gf "cdqw'cw'gpf cpeg"cv'y qtnkpi "i tqwr "o ggkpi u'cpf "kh'k'cr r rgu'vq"cm'ij qtnkpi "  
i tqwr u0"O t0Crcvqttg'uckf "k'f qgu'pqv."dw'F t0N { qwj cu'ucv'gf "vj cv'k'uj qwr "dg'hqt"cm'cf xkuqt { "i tqwr u0"  
"

**Agenda Item #4 – Updates on MATES V**

F t0Cpf tgc'Rqrkf qtk'r tqxkf gf "cp"wr f cvg"qp"O wnk'rg'Ck"Vqz'keu'Gzr quwtg"Uwf { "X"O C VGU"X+0"  
"

O t0RcwiCxlrc" cun'gf "y j cv'vj g'f k'htgpeg"y qwr "dg'kp"uco r ngu'cn'gp"dg'htg"cpf "ch'gt"vj g't'ge'gpv'tclp0"F t0"  
Rqrkf qtk'ucv'gf "vj cv'y j gp"kv'tclpu."vj g'eqpegpvcvkp"qh'r qmwcpv'ctg'my gt"cpf "y g'j cxg'engcpgt"ck0"K"  
vj ku" { gct"ku'wpwucm' "tclp { ". "vj gtg'y kn'pqv'dg" c'uki p'k'ecpv'ko r cev'qp"vj g'qxgtcm'go kuukpu'rgxgnu0"  
"

O t0Lqj p'F gY kw'cun'gf "kh'vj g'tcy "f c'c'ku'cxckrdng0"F t0Rqrkf qtk'tgur qpf gf "vj cv'vj g'tcy "f c'c'ku'pqv"  
cxckrdng"cv'vj ku'ko g."cu'vj g { "ctg'uk'm'eqm'gevkpi "uco r ngu'cpf "f c'c'hqt"O C VGU"X0"Qpeg"vj g't'gr qtv'ku"  
r wdrkj gf. "vj g'kphqto cvkq'y kn'dg'o cf g'cxckrdng0"O t0F gY kw'cun'gf "cdqw'ecpegt'tkumi."vq'y j lej "F t0"  
Rqrkf qtk'ucv'gf "vj cv'r ct'kewrc'g'o cwtg'ku'o gcuwtg'f "wukpi "dr'cm'lectdqp"o gcuwtgo gpv'0"Dr'cm'lectdqp"ku"  
wugf "cu'c"uwttqi cvg'hqt" f kgugr'go kuukpu0"Vj gtg'ku'c" f k'geveqttgr'vkp"dgwy ggp" f getgcugu'kp"dr'cm'lectdqp"  
eqpegpvcvkp."f kgugr' ct'kewrc'g'o cwtg."gzr quwtg."cpf "ecpegt'tkun0"  
"

O t0NcO ctt'tghgtgpegf "F t0Rqrkf qtk'ku'urkf g'tgi ctf kpi "O C VGU'r tqi tguukp"cpf "cun'gf "kh'vj gtg'ku'c'y c { "vq"  
cwt'kdwg'ecpegt'tkumi"vq'r ct'kewrc't'uwtegu"vj tqwi j "vj g'o qpkqtu0"F t0Rqrkf qtk'tgur qpf gf "vj cv'vj g'o ckp"  
r wr qug'ku'vq'kf gp'vkh' "cpf "ej ctcevgtk' g'vj g'tgi kqpcn'ecpegt'tkun0"K"vj gtg'ku'cp"cpqo cn { "kp"vj g'f c'c'."k'o c { "  
rgcf "vq"ur gek'ke'uwtegu'qh'go kuukpu0"O t0NcO ctt" cun'gf "kh'f c'c'htqo "m'y "equv'ugpuqtu"o c { "h'pf "ku'y c { "  
kp'vq"O C VGU"X"cpf "eqttw v'xcrkf "f c'c'htqo "qy gt'ugpuqtu0"F t0Rqrkf qtk'tgur qpf gf "vj cv'vj g'ng { "ku'vq"  
gz'tcev'vj g'tki j v'co qwpv'qh'kphqto cvkq'cpf "cr r tqr t'k'vgn { "kp'vtr tgv'vj g'f c'c'0"K"ic'ugpuqt'ku'pqv'WU0"  
Gpxktqpo gpvcn'Rtq'gevkp"Ci gpe { "GRC+"cr r tqxgf."k'ecppqv'dg" wugf "hqt"eqo r r'k'peg'cevkp0"J qy gxgt."  
c'ugpuqt"pgy qtn'r tqxkf gu'o qtg'kphqto cvkq"qp"vj g'ur cv'kn'cpf "vgo r qtcn'f kwt'kdwkq0"  
"

O t0F cxkf "Tqy d'ctv'cun'gf "cdqw'vj g'qxgtcm'eqo r ct'kuqp"htqo " { gct"vq" { gct"htq"vj g'r gte'gpv'tgf w'vkp'tkumi"  
cpf "o gy qf "wugf 0"F t0Rqrkf qtk'uckf "vj cv'vj g'o gy qf qm'j { "f k'f "pq'v'ej cpi g'htqo "O C VGU"KK"vq"O C VGU"  
KK."dw'j g'y qwr "f ghgt"vq"vj g'J gcnj "Gh'gew'Qh'hegt0"O t0Tqy d'ctv'cun'gf "cdqw'cf f k'kqpcn'ugpuqtu'lp"  
pqp/v'cf k'kqpcn'he'cv'kpu"vj cv'o c { " { k'grf "rgu'ceewtcv'g'tguwu"cpf "j qy "vj g'f c'c'ku'gr tgu'pvc'kxg'qh'vj g"  
eqpegpvcvkpu'kp"vj g'dculp0"F t0Rqrkf qtk'uckf "vj g'ugpuqt'kphqto cvkq'y kn'pqv'dg"cn'gp"kp'vq"ceeqwpv'htq"  
ecpegt'tkumi'ecwrc'vkpu0"  
"

O u0Tkc"Nq'qh'tghgtgpegf "vj g'urkf g'cdqw'O C VGU'r tqi tguukp"cpf "cun'gf "y j cv'eqpvc' kpcpv'cwt'kdwg"vq"  
vj g'tgo clp'kpi "3 15"qh'ck"vqz'keu'ecpegt'tkumi"cpf "kh'o qpkqtu'ctg'cdng"vq'r kn'iw'r "ur gek'ke'eqpvc' kpcpv'0"  
F t0Rqrkf qtk'uckf "hqt"vj g'o qu'r ctv'vj g { "ctg"o gvcn'cpf "xqrc'v'g"qti cple"eqo r qwpf u0"  
"

O u0Tcej gmg'Ctłk o gpf k'cungf 'h'v'j gtg'y cu'cp { 'q'j gt'y qtnlf qpg'tgrv'f 'v'q'CD'8390'F t0Rqrkf qtk'uckf " O CVGU'X'y kn'dg'wugf 'v'q'o cng'cp'cuuguo gpv'cdqwr' qv'p'kcn'luqtegu'qh'r qmwkqp'y kj kp'CD'839" eqo o wpkkgu0 "

**Agenda Item #5 – Voting District Authorization Bill for Clean Air**

O t0Rj kkr 'Etcddg'KKr t'gugp'v'f 'qp'Uqw'j 'Eqcu'CS O F 'ai'Xqkpi 'F kntlev'Cwj qtk' c'kqp'Dknl'ht'Engcp" Ck0 "

O u0Ctłk o gpf k'eqo o gpf gf 'Uqw'j 'Eqcu'CS O F 'hqt'v'cnkpi 'v'j ku'cev'kqp0 "

O t0Tq'j d'ctv'cungf 'j' qy 'y g'y kn'f gcn'y kj 'u'v'kqpct { 'u'q'wtegu'cpf 'r gpcn'kgu'h'y g'f'q'pqv'i g'v'j g" cwj qtk' c'kqp'qt'o gg'v'cw'kpo gpv0'O t0C'rv'qttg'uckf 'v'j cv'h'y g'uj w'f'qy p'gxgt { 'ukpi ng'u'v'kqpct { 'u'q'wtegu" y g'y q'w'f'pqv'o gg'v'cw'kpo gpv0'O t0Tq'j d'ctv'cungf 'y j { 'v'j g'E'cn'k'qtp'k'Ck'T'gu'q'wtegu'Dqctf "E'CTD+" cpf 'GRC'ctg'pqv'j grf "ceeq'w'p'cd'gr'hqt'p'q'p'cw'kpo gpv'cu'v'j g { 'j' cxg't'gi w'rv'qt { 'cwj qtk'v' 'qxgt'o qd'kng" uq'wtegu0'O t0C'rv'qttg'uckf 'v'j cv'y j gp'j g'r t'gugp'v'f 'v'j ku'kgo "cv'v'j g'Ucp'Dgt'p'ctf'kp'q'E'q'w'p'v' " V'c'p'ur'q't'v'kqp'Cwj qtk'v' "U'DEVC+"U'w'r g't'x'ku'q't'w'j g't'ht'f 'ej cng'pi gf 'cn'l'q'v'j g't'ek'kgu'cpf 'ci g'p'ek'gu'v'q'i q" v'q'Y'cu'j'kpi'v'q'p.'F'Æ0'v'q'u'wi i gu'v'i k'kpi 'U'q'w'j 'Eqcu'CS O F 't'gi w'rv'qt { 'cwj qtk'v' 'qxgt'v'j g'o qd'kng'u'q'wtegu0" O t0Tq'j d'ctv'uckf 'v'j g'f'k'm'j w'g'k'p'v'j q'ug'f'k'ue'w'uk'p'u'p'gg'f'u'v'q'dg'v'j cv'y g'y kn'p'q'v'o gg'v'cw'kpo gpv0'O t0 C'rv'qttg'u'v'v'f 'v'j cv'v'j g'GRC'uckf 'v'j cv'v'j g { 'y kn'h'q'q'n'cv'v'j g't'w'g'v'q'o c { dg'cf'lw'v'k'v'dw'v'j g't'g'ku'c" t'w'go c'nkpi 'r t'q'eg'u'cpf 'k'v'y kn'dg'ch'gt'v'j g'h't'u'v'cw'kpo gpv'f'g'cf'rk'p'g'kp'42450" "

O t0NcO ctt'u'wi i gu'gf 'v'j cv'v'j gtg'uj q'w'f 'dg'c'u'w'p'ug'v'f'cv'g'qp'v'j g'v'cz 'v'k'gf 'v'q'cp'cw'kpo gpv'f'cv'g'cpf 'u'v'lev" cf'j g't'g'p'eg'k'p't'gi ctf'u'v'q'v'j g'g'z'r g'p'f'k'w't'g'o q'p'g { 0'J' g'h'w'v'j g't'cf'f'gf 'v'j cv'v'j g'v'cz 'uj q'w'f 'dg'v'k'gf 'v'q'v'j g'Ck" S'w'erk'v' 'O'c'p'ci go gpv'R'ncp"CS O R+'cpf 'p'q'v'v'q'q'v'j g't'r g'v'r t'q'l'ge'u0'V'j g'r w'd'rk'p'gg'f'u'v'q'h'p'qy 'v'j g'co q'w'p'v' ur gpv'q'p'r t'q'l'ge'u'cpf 'y j cv'v'j g'd'g'p'gh'ku'q'h'cw'kpo gpv'ct'g0'O t0C'rv'qttg'u'v'v'f 'v'j cv'r q'm'w'k'p'j'cu'p'q" d'q'w'p'f'ct'kgu."c'u'w'p'ug'v'f'cv'g'y kn'p'q'v'dg'k'p'v'j g'd'km'cpf 'cn'l'r t'q'l'ge'u'v'j g'o q'p'g { 'y q'w'f 'dg'w'ug'f 'hqt'ct'g'k'p'v'j g" CS O R0 "

O t0C'x'k'rc'cungf 'hqt'v'cn't'k'k'ec'v'kqp"qp'ö'cw'j qtk' c'kqp0"O t0E'tcddg'uckf 'y g'p'gg'f 'v'q'g'u'v'cd'rk'uj "c'x'q'v'kpi " f'k'nt'lev'ug'v'w'r'g'r'ge'v'k'p'u'q'h'k'eg't."cpf 'q'j gt'm'qi k'v'ec'n'k'go u0'O t0C'x'k'rc'g'z'r t'gu'gf 'u'w'r r'q't'v'hqt'c'u'w'p'ug'v' r't'q'x'k'uk'qp'cpf 'c'ek'k'gp'q'x'gt'uki j v'eqo o k'v'gg'k'p'en'f'kpi 'q'p'g'qt'o q't'g'o go d'gtu'ht'qo 'v'j ku'i t'q'w'0'O t0 C'rv'qttg'uckf 'u'qo g'q'h'v'j q'ug'v'j kpi u'y kn'dg'w'r 'v'q'v'j g'I' q'x'gt'p'kpi 'Dqctf'0 "

O u0N'q'q'h'cungf 'h'v'j ku'ku'v'j g'h't'u'v'ug'r 'k'p'v'j g'r t'q'eg'u0'O t0C'rv'qttg'uckf 'v'j g'h't'u'v'v'j kpi 'y g'p'gg'f 'v'q'f'q'ku" et'g'cv'g'v'j g'x'q'v'kpi 'f'k'nt'lev0'O u0N'q'q'h'ku'eq'p'eg't'p'gf 'd'ge'cw'ug'o qd'kng'u'q'wtegu'ct'g'v'j g'ew'r't'ku."dw'h'y g'f'q" p'q'v'o gg'v'cw'kpo gpv."v'j g'u'v'kqpct { 'u'q'wtegu'y kn'f g'v'r g'p'c'rk'gf'0'O t0C'rv'qttg'uckf 'y g'ct'g'p'q'v'r g'p'c'rk'kpi " u'v'kqpct { 'u'q'wtegu."dw'h'y ku'd'kn'f'q'gu'p'q'v'r'cuu."cn'l'q'r'v'k'p'u'y kn'dg'eq'p'uk'f'gt'gf'0"K'v'j g'cw'j qtk' c'kqp'd'kn'i r'cu'gu."k'v'cn'gu'v'j g'r t'gu'w't'g'q'h'h'q'h'u'v'kqpct { 'u'q'wtegu0 "

O t0G'f'f'k'g'O c'ts'w'gl 'cungf 'h'u'qo g'v'j kpi 'h'kng'v'j ku'j cu'd'gg'p'k'o r'ng'o g'p'v'f'g'n'ug'y j g't'g'k'p'v'j g'u'v'v'g'cpf 'j' qy 'k'v' j'cu'y q'tn'gf 'hqt'v'j go 0'O t0C'rv'qttg'u'v'v'f 'v'j cv'v'j g'Dc { 'C't'g'c'Ck'S'w'erk'v' 'O'c'p'ci go gpv'F'k'nt'lev" \*DCCS O F +'j cu'c'r'ct'egn'v'cz."cpf 'O'g't'q'j'cu'O'g'cu'w't'g'O."y j k'ej 'f'q'gu'p'q'v'j'cx'g'c'u'w'p'ug'v'f'cv'g0' "

O u0Ctłk o gpf k'cungf 'h'v'j gtg'ku'cp { 'q'r'r'q'uk'k'qp'v'q'et'g'cv'kpi "c'x'q'v'kpi 'f'k'nt'lev0'O t0C'rv'qttg't'g'ur'q'p'f'gf 'v'j cv' v'j gtg'y cu'o q't'g'q'r'r'q'uk'k'qp'v'q'c'u'rg'u'v'cz't'cv'j g't'v'j cp'et'g'cv'kpi "c'x'q'v'kpi 'f'k'nt'lev0'O u0Ctłk o gpf k'cungf 'hqt" y c { u'v'q'j'gr 'u'w'r r'q't'v'v'j g'cw'j qtk' c'kqp'd'kn0'O t0C'rv'qttg't'g'ur'q'p'f'gf 'v'j cv'v'j g'ec'p'p'q'v'cun'ih'qt'u'w'r r'q't'v."dw" y g'ec'p'gf'w'ec'v'g0'O t0C'rv'qttg'uckf 'y g'j'cx'g't'g'cej gf 'q'w'v'q'q'ti'c'p'k'c'v'k'p'u'q'h'y j k'ej 'y g'ct'g'o go d'gtu'k'p" O u0Ctłk o gpf k'au'ct'g'c0 "



O u0Nqqh'cungf 'hqt'ertkhecvkp'cu'v'y j { 'y g'ctg'pqy 'o qxlpi 'cy c { 'h'qo 'c'ucrgu'cz'cpf 'vqy ctf u'c"  
xqvkpi 'f kurtlev'cwj qtk cvkp0'O t0Etcddg'gxr rclpgf 'y cv'y g'pgy 'rcpi wci g'ku'o qtg'qh'c'tgcuguo gpv'qh"  
y j cv'y g'ctg'cunlpi 'hqt0'O u0Nqqh'cungf 'hqt'c'ko gkpg'qh'y j cv'q'gxr gev'chgt'y g'cwj qtk cvkp.'hi'  
crr tqxgf 0'O t0Crcvqttg'uckf 'y cv'gkj gt 'y g'I qxgtpkpi 'Dqctf 'y qwf 'r w'kv'qp'y g'dcmqv'qt'y gtg'y qwf 'dg'  
c'xqvgt/f tkxgp'lpkkcvxg0'  
"

Uwr gtxkuqt'Rgtgl 'uwo o ctk gf 'y g'f kuewukqp'qp'y ku'kgo 0"  
"

#### **Agenda Item #6 –Monthly Report on Small Business Assistance Activities"**

P q'eqo o gpw0'  
"

#### **Agenda Item #7 - Other Business "**

O u0Nqqh'uckf 'Twrg'3328'ku'eqo kpi 'wr 'hqt'j gctkpi 'lp'Cr tki'cpf 'cungf 'hqt'c'r t gugpvcvkp0'O t0Crcvqttg"  
uckf 'Twrg'3328'y kn'dg'f kuewugf 'lp'y g'hwwtg0'  
"

O t0Crcvqttg'o gpvkpgf 'y g'wr eqo kpi 'Eguct'Ej cxgl 'F c { 'qh'Tgo go dtcpeg'Gxgpv'qp'O ctej '52'y 'cv'y g"  
O wugwo 'qh'Ncvp'Co gtlecp'Ctv'cpf 'y g'ruv'f cv'q'TUXR'ku'O ctej '43<sup>u</sup>0'  
"

#### **Agenda Item #8- Public Comment**

O t0J ctxg { 'Gf gt'o cf g'eqo o gpw'tgi ctf kpi 'uqrct'r qy gt0'  
"

#### **Agenda Item #9 – Next Meeting Date"**

Vj g'pgzv'tgi wrct'Nqecn'I qxgtpo gpv( 'Uo cm'Dwukpguu'Cuukucpeg'Cf xkuqt { 'I tqwr 'o ggkpi 'ku'uej gf wrgf "  
hqt'Hkfc { . 'Cr tki'34.'423; 'cv'33-52'c0 0'  
"

#### **Adjournment**

Vj g'o ggkpi 'cf lqwtpgf 'cv'34-72'r 0 0'

DQCTF "O GGVKPI "F CVG<Ugr vgo dgt'8."423; "

CI GPFC "P Q0"39"

TGRQTV<"

Tghlpgt { 'Eqo o kwgg"

U| PQRUK<"

Cv'y g'Hgdtwct { '3."423; "Dqctf "o ggkpi . 'uchh'r tgugpvf "j c| ctf u." cpf "hg { "kuwgu'tgrvfg "vq"y g'wug"qh"j { f tqi gp'hwqtkf g0"Vj g'Dqctf " f ktgevfg "uchh"vq"y qtm'y kj "dqy "y g'eqo o wkv { "cpf "lpf wmt { "qxtg" y g"pgzv"; 2"f c { u"vq"tgcej "tguqnwkqp."r tgugpv'r tqr qucni"vq"y g" Tghlpgt { 'Eqo o kwgg'hqt'tgxlgv . 'y kj "y g'Eqo o kwgg"o cnkpi " tgeqo o gpf cvkpu"vq"y g'hwmdqctf 0"Uchh'r tqxkf gf "cp"wr f cvg"vq"y g" Tghlpgt { 'Eqo o kwgg"qp"Ucwtf c { . "Lxpg"44."423; 0"Vj ku'kgo " kpenf gu'c"uwo o ct { "qh"y g'o ggkpi "cpf "tgeqo o gpf cvkpu"htqo "y g" Tghlpgt { 'Eqo o kwgg0"Uwdugs wgpv"vq"y g'o ggkpi . "dqy "chhgevfg " tghlpgtkgu'ugpv'hwgtu'ucvki "y gk"y knkpi pgui"vq"lpuvcm'cf f kklqpcn' o kki cvkqp"o gcwtgu"y cv'ctg"i guki pgf "vq"r tqxkf g"cf f kklqpcn' r tqvgevqp'tgrvki "vq"y g'wug"qh"j { f tqi gp'hwqtkf g."y kj qwv'y g"pggf " hqt'twgo cnkpi "qt"c"o go qtcpf wo "qh"wpf gtucpf kpi 0"Eqr kgu"qh" y g'gug'hwgtu'ctg"cwcej gf 0"Vj g'Dqctf "o c { "cng"cevqp"qp."cpf " r tqxkf g"i ktgevqp"vq"uchh."eqpegtkpi "y g'gug'kuwgu0"

TGEQO O GPFGF "CEVKQP U<"

30Tgegkxg"cpf "hkg"y ku'tgr qt v=cpf

40F kiewuu"cpf "r quukdn { "cng"cevqp"kp'tgur qpug"vq"y g'hwgtu'htqo "y g'chhgevfg tghlpgtkgu0

Nctt { 'O eEcmqp."Ej ckt"

Tghlpgt { 'Eqo o kwgg""

RHUP J HOM"

### Committee Members

Rtgugpv<" O c { qt "Rtq"Vgo "Nctt { 'O eEcmqp lEj ckt"

O c { qt "Lxf kj "O ke j gmlXleg"Ej ckt"

Uwr gtxkuqt "Nkuc"Dctvrgw"

Eqwpeki0 go dgt "Dgp"Dgpqk"

Uwr gtxkuqt "Lcpkcg"J cj p0"

### Call to Order"

Ej ckt "O eEcmqp"ecmgf "y g'o ggkpi "vq"qtf gt "cv'32-25"cb 0

Cv'ij g'Hgdtwct { '3.'423; 'Dqctf 'o ggvpki . 'uchh'r tguvpvgf 'j c| ctf u'cpf 'ng { 'kuwgu'tgrcvgf 'vq' yj g'wug'qh'j { f tqi gp'hwqtkf g'cv'tghkpgtkgu0Vj g'Dqctf 'f k tgevgf 'uchh'vq'y qtn'ly kj 'dqy 'y g' eqo o wplv { 'cpf 'lpf wut { 'qxtg 'y g'pgzv'; 2'f c { u'vq'tgcej 'tguqnwqap'cpf 'r tguvpv'r tqr qucu' vq'yj g'Tghkpgt { 'Eqo o kwgg'hqt'tgxky . 'y kj 'y g'Eqo o kwgg'o cnkpi 'tgeqo o gpf cvkqpu'vq' yj g'hw'Dqctf 0Uchh'j grf '3; 'o ggvpki u'y kj 'y g'eqo o wplv { . 'wplqpu. 'cpf 'tghkpgtkgu' f k uewukpi 'dqy 'cp'O QW'cpf 'c'twrg'cr r tqcej 'hewukpi 'qp'c'r gthqto cpeg'ucpf ctf 0Cu' f k tgevgf 'd { 'y g'Dqctf . 'uchh'r tguvpvgf 'c'ucwu'wr f cvg'qh'y gug'o ggvpki u'vq'yj g'Tghkpgt { ' Eqo o kwgg'qp'Ucwtf c { 'Lxpg'44.'423; 0Uwdugs wgpv'vq'yj g'o ggvpki . 'dqy 'chgevgf ' tghkpgtkgu'ugpv'hwgtu'ucvki 'y gk'y knkpi pguu'vq'lpucm'cf f k kqpcn'o kki cvkqp'o gcuwtgu' yj cv'ctg'f guki pgf 'vq'r tqxkf g'cf f k kqpcn'r tqvgevkqp'tgrcvki 'vq'yj g'wug'qh'j { f tqi gp' hwqtkf g. 'y kj qw'yj g'pggf 'hqt'twrgo cnkpi 'qt'c'o go qtcpf wo 'qh'w'pf gtu'ucpf kpi 0'Eqr kgu' qh'yj gug'hwgtu'ctg'kpenw'gf 'cu'Cwcej o gpw'D'cpf 'E0Vj g'hqm'y kpi 'ku'c'owo o ct { 'qh'yj g' o ggvpki 0' "

## Welcome/Opening Remarks

Ej ckt'O eEcmqp'yj cpngf 'y g'cw'f kpeg'hqt'cwgp'f kpi 'y g'Tghkpgt { 'Eqo o kwgg' \*Eqo o kwgg'o ggvpki 'qp'c'Ucwtf c { 'cpf 'qwwkpgf 'y g'o ggvpki 'ci gpf c0Uwr gtxkuqt'J c'j p' s wukqpgf 'y g'iqpi gt'r tguvpv'kqp'vko g'r tqxkf gf 'vq'yj g'tghkpgtkgu'cpf 'wplqp' tgr tguvpv'vkgu'yj cv'f kf 'pqv'gs wcn'yj g'vko g'cmqvgf 'vq'yj g'eqo o wplv { 'qti cplk cvkqpu0' "

## Overview

Gzgewkxg'Qhhegt'Y c { pg'P cwtk'kphqto gf 'y g'Eqo o kwgg'yj cv'ukpeg'yj g'Hgdtwct { 'Dqctf ' o ggvpki . 'uchh'j cu'dggp'y qtnkpi 'y kj 'Vqttepeg'Tghkplpi 'Eqo r cp { '\*VQTE+'cpf 'Xcrgtq' Tghkpgt { '\*Xcrgtq+'cu'y gni'cu'eqo o wplv { 'qti cplk cvkqpu'qp'yj g'f gxgm'r o gpv'qh'c' r gthqto cpeg'ucpf ctf 'yj cv'y qwf 'kpenw'g'c'j gcnj 'r tqvgevkxg'yj tguj qrf 'cpf 'o kki cvkqp' o gcuwtgu'f go qputcvgf 'vq'r tqvge'v'yj g'r wdne'htqo 'c'eqpugs wgpv'cn'tgrgcug00 t0P cwtk' cnu'j ki j rki j vgf 'uqo g'tgegpv'ceekf gpw'cv'tghkpgtkgu'wukpi 'j { f tqi gp'hwqtkf g'\*J H<' Vqttepeg'o'Gzzq/O qdki'Tghkpgt { 'kp'4237='Y kueqpuk'o'J wum { 'Tghkpgt { 'kp'423: ='cpf ' Rj krcf gr j k'o'Rj krcf gr j k'Gpgti { 'Uqnwqpu'Tghkpgt { 'qp'Lxpg'43.'423; 00 t0P cwtk' tgo kpf gf 'y g'Eqo o kwgg'yj cv'uchh'y cu'uggnkpi 'ur gekhe'i w'f cpeg'cu'vq'cp'ceegr wdrng' yj tguj qrf . 'tgegr vqt'hecvkqp.'cpf 'cm'y cdrng'o kki cvkqp0' "

Uwucp'P cno wtc.'Cuukucpv'F gr w { 'Gzgewkxg'Qhhegt IRcpplpi . 'Twrg'F gxgm'r o gpv'cpf ' Ctgc'Uqwtegu.'r tqxkf gf 'c'owo o ct { 'qh'yj g'f k uewukqpu'yj kj 'tghkpgtkgu'cpf 'eqo o wplv { ' qti cplk cvkqpu'tgi ctf kpi 'y g'r gthqto cpeg'ucpf ctf . 'cpf 'j ki j rki j vgf 'y g'ctgeu'qh' ci tgggo gpv'ht'ng { 'grgo gpw'qh'yj g'ucpf ctf 'uwej 'cu'yj g'yj tguj qrf . 'tgrgcug'uegpctkqu. ' o kki cvkqp'cpf 'f go qputcvkqp00 u0P cno wtc'eqpenw'gf 'j gt'r tguvpv'kqp'd { 'pqvki ' cf f k kqpcn'uchh'y qtnlqp'yj g'co qwpv'qh'etgf k'hqt'o kki cvkqp.'o qf grkpi 'f gcku.'cpf ' ko r ngo gpv'kqp'vko ghtco g0' "

Hqm'y kpi 'O u0P cno wtc'u'r tguvpv'kqp.'O t0Cf co 'Y gdd.'Ugpkqt'Gpi kpggt'cv'VQTE.' r tguvpvgf 'y g'r qukkqp'qh'yj g'tghkpgt { 'yj cv'uw'r qt'u'yj g'eqp'v'pvgf 'wug'qh'o qf kkgf 'J H' \*O J H0J g'cuugtvgf 'yj cv'vq'r j cug'qww'ku'wug'ku'pqv'l'wukhgf . 'ekkpi 'c'uchg'qr gtcvki "

j kuxqt { 0'Kp'cf f kkkqp"v'gz kuxpi "o kki cvkqp"u{ ugo u'cpf "o gej cplecnkpwgi tkv{ 'r tqi tco u." VQTE'r tqr qugf "cp"gpj cpegf "o kki cvkqp"o gcuwtg"qh'c"uvgnlwtwewt g"uko kret "v"q"cf qo g" qxgt"vj g"ugwrgt"vcpm'y kj "cwqo cvgf "y cvgt"u{ ugo u'cpf "rcugt" f g'gcvkqp"ecr cdkkv{ 0" VQTE'xkgy gf "vj g'f go qpwtcvkqp"qh'vj g"ucpf ctf "v"dg"eqpugtxcvkxg"dwt'gs wguvf "vj g" tgegr vqt"mcecvkqp"dg"c"r gto cpgpvltgukf gpeg"cpf "vj tguj qrf "dg"c"vko g/cxgtci gf "32/o kpwg" g'zr quwtg"qh'c"ngxn'vj tgg"qh'vj g"WUUGRCa'cewg"gzr quwtg'i wlf g'np'g'ngxn'"\*CGI N+0' Hkpcmf."VQTE'ku'tgcf { "v"kpucm'vj g'cf f kkkpnc'gpj cpego gpw'kp'ceeqt cpeg'y kj "cp" O QWO'

O c { qt 'O kej gm'p's wk'gf 'cu'v'j g'ej cpi g'kp'y g'r gtegpv'cf f k'xg'h'qo 'y g'gtki k'p'cn' eqpugpv'f getgg'cpf 'O t0Y gdd'pqvgf 'y g'gtki k'p'cn'hqto wr'v'qp'qh'O J H'y cu' cr r tqzko cvgn' '3; 'r gtegpv'cf f k'xg. 'dw'eqwrf 'dg'my gtgf 'qpeg'y cvgt'cpf 'dctt'kgt' o k'ki cv'qp'y gtg'kpucmgf 'cpf 'eqpukf gtgf 'dgpgh'k'cn'0'O c { qt 'O kej gm'g'zr tguugf 'eqpegt'p' cu'v'j y j gvj gt 'cm'r quukdr'g'uegpct'ku'y qwf 'dg'f go qp'utcv'gf 'v'j' cxg'c'uchg'qweqo g0'O t0' Y gdd'tgur ppf gf 'y cv'ku'j qy 'y gk'j c' ctf qwu't'k'm'cuuguo gpv'ku'eqpf w'ev'gf 'cpf 'y g' r gthqto cpeg'w'cpf ctf 'ku'pq'v'c'uc'v'k'k'cn't'k'm'd'cu'gf 'cr r tqcej 'dw't'c'y gt 'c'eqpugs w'gp'v'cn' k'o r cev'cr r tqcej 0'O t0Y gdd'eqph'kto gf 'y cv'j gk'h'ek'k'v' 'f'qgu'j cxg'uwr r k'gu'qh'ec'ek'wo " i m'eqpc'v'g'dw'y cu'pq'v'egt'v'kp'cu'v'j'm'ec'n'j qur k'cn'l'p'x'gp'v't { 0O t0Y gdd'tgo kpf gf 'y g' Ego o k'v'gg'y cv'gxgt { 'h'xg' '{ gctu'y g { 'eqpf w'ev'c'j kgt'c'tej k'cn'eqp'v'q'n'c'p'cn' { uku.'y j k'ej " tgs w'k'gu'c't'gx'k'gy 'qh'p'gy 'v'ej p'q'm'i { 'v'f'g'v'to k'p'g'k'h'k'ku'k'p'j gt'gp'v'w' 'uchgt'cpf 'x'k'cd'ng'0' VQTE'y k'n'eqp'v'p'w'g'v'g'zr m't'g'p'gy 'cm'f'w'v'qp'v'ej p'q'm'i k'gu'dw.'cv'j ku'v'ko g.'k'ku'pq'v' geqp'qo k'cn'q't'v'ej p'k'cm'f' 'r tq'x'p'v'q't'gr m'eg'O J H0J g'ek'v'g'f 'y g'v'ej p'q'm'i { 'h'eg'p'ugg." WQRau.'qr k'p'k'p'y cv'k'y qwf 'tgs w'k'g'7/8' '{ gctu'qh'p'gy 'v'ej p'q'm'i { 'qr g't'v'qp'd'gh'q't'g' cf q'r v'p'i 'p'gy 'v'ej p'q'm'i { 'qp'c'h'm'n'ue'c'ng'0'k'p'le'h's w'k'f 'v'ej p'q'm'i { 'ku'ew't'g'p'v'w' 'd'g'k'i " k'pucmgf 'cv'c'Ej gxt'q'p't'gh'k'p'gt { 'k'p'U'cn'N'c'ng'E'k'v' 'y k'j 'cp'g'u'ko cv'gf 'u'ct'v'w'r 'k'p'42420' C'm'f'w'g'r tqf w'v'qp'cv'VQTE'ku'cr r tqzko cvgn' '47.222'dctt'g'n'r gt'f'c { 0""

Uwr gtxkuqt"J cj p"pqvgf "y g'r quklxg"eqpvtldwkpuph"qo "y g'tghkpgt {"v"y g'eqo o wpxk\ " cpf "y cv'pq"J H'qhlukg'tgrgcug"uq'hct'ku'f wg"vq'i qqf "o cpci go gpv'cpf "o kki cvkqp" r tcevegu0"J qy gxgt. "uj g'kps vktgf "cu'vq"j qy "y g'tghkpgt {"r ncpu'vq"o kki cvg"o clqt" gZR mukuqpu"knng"y g'qpg"gzr gtlgpegf "qp"lwpG"43."423; "kp"Rj krcf gr j k0"O t0Y gdd" j ki j rki j vgf "y cv'pqpG"qh'y g'ceekf gpv'cv'tghkpgtgu'wulpi "J H'tguwngf "kp"c'tgrgcug"qh"J H" y j lej "o gcpu'y cv'y g"o kki cvkqp"o gcuwtgu."uwej "cu'y g'cekf "gxcewcvkqp"u{uvgO . "hwpevkqp" cu'f guki pgf 0J g'dgnkxgu'y gtg'ctg"cnY c {u'y c {u"vq"o cmg"c'heekkv\ "uchgt"dW'y g'pgy " vgej pqm\ {"j cu'pqv'r tqxgp"kuh'n'vq"dg"uchgt"y j gp"xlgY kpi "y g'u{uvgO "j qrkukcnc{0J g" cmq"ucwgf "y g'tghkpgt {"j cu'pqv'kphqto gf "y g'y qtngtu'y cv'y gk"lqdu'y gtg'cv'tkunh"qo "y g" r tqr qugf "r tqlgew0"\*\*\*\*\*

O t0Tlej ctf "Y cnuj ."Ugpkqt "Xleg"Rtgukf gpv'cpf "F gr wwl "I gpgtcnEqwpugn'htq"Xcrgtq."  
tgecr r gf "vj cv'vj gtg"cntgcf { "ku"cp"O QW'dgy ggp"Xcrgtq"cpf "Uqwj "Eqcu'CS O F ."cpf "  
vj g{ "j cxg"dggp"qr gtcv'kpi "vj g'cmf ncv'kqp'wpl'uchgn' "hqt"55"{gctu0J g'r tqxkf gf "cp"  
qxgtxkgy "qh'cm'vj g'gzkv'kpi "o kki cv'kqp"o gcuwtgu'cpf "r tqr qugf "pgy "cf f kklqpcn'  
o kki cv'kqp0J g'ruvgf "vj qug"ctgcu'qh'ci tggg gpv'cpf "cnuq"ctgcu'y j gtg"vj gtg"ku'pqv"

ci tgggo gpv'dgwy ggp "Xcrgtq"cpf "Uqwj "EqcuVCS O F "uchh0Xcrgtq"uwr r qt w'v'j g'wug'qh"  
CGI N/5"v'j g'pgctguv'r gto cpgpv'tgukf gpeg."eqo o ku"v'j"kpucmkpi "gpj cpegf "o kki cvkqp."  
cpf "ku'tgcf { "v'uki p'cp'cf f gpf wo "v'j g'gzknkpi "O QW0""  
"

Ej ckt "O eEcmup's wguv'kpgf "v'j g'uwr r n' "qh'v'j g'cpvkf qvg'lp'rki j v'qh'v'j g'Rj krcf gr j lc"  
tghkpgt { "hktg."v'j y j lej "O t0Y cnij "dgrkxgf "ecrekwo "i nweqpcvg'ku'y kf gn' "cxckrdng"cpf "  
gcu { "v'j r tgr ctg0"J g'cf f gf "v'j cv'v'j g"J H'o kki cvkqp"u' ugo u'y gtg'cev'kxcvgf "cv'v'j g"  
Rj krcf gr j lc"tghkpgt { "cpf "tguwngf "lp"pq"J H'tgrgcug0Uwr gt xkuqt "Dct vgw'cungf "cdqw'v'j g"  
f khgtgpeg"lp"t wem'v'kr u'f wg'v'j g'wug'qh"J H'qt "uwhwtle"cekf . "cpf "O t0Y cnij "g zr n'kpgf "  
j qy . "wprkng"J H "uwhwtle"cekf "pggf u'v'j "dg'tgi gpgtcvgf "uq"cr r tqzko cvgn' "622"t wem'v'kr u"  
r gt "o qp'v'j y qwf "t'cpur qt v'ur gpv'cekf "qhhukg'kh'c'tgi gpgtcv'kqp"r ncpv'ku'pqv'qpukg0Uj g"  
cnuq'kps wktgf "cdqw'v'j g'wug'qh'dctt'ktu"cpf "v'j gkt "ghge'v'kxgpguu'uko krc' "v'j "VQTE0"O t0'  
Y cnij "pqvgf "v'j cv'v'j g'tghkpgt'ku'j c'xg'f khgtgpv'e'qphki w'cv'kqp'u'qh'v'j gkt "ugwngt \*u+uq"v'j g"  
dctt'ktg "v'gej pqm'j { "y kn'dg'f khgtgpv'dw'v'j g'ghge'v'kxgpguu't'guw'nu'ctg"v'j g'uco g0'  
O c { qt "O ke'j gm'kps wktgf "cdqw'v'j g'cpcn' uku'cr r tqcej "cpf "O t0Y cnij "tgr rkgf "v'j cv'v'j g"  
eqpugs wgp'v'kcn'cpcn' uku'ku'dgkpi "cr r rkgf "cpf "pqv'v'j g'r tqdcd'k'k'v' "hqt "tgrgcug0"O c { qt "  
O ke'j gm'cnuq'cungf "cdqw'v'j g'EF Cm'j I "cf xcpegf "uwhwtle"cekf "v'gej pqm'j { "dgkpi "wugf "  
cv'cpq'v'j gt "Xcrgtq"tghkpgt { "lp"Nqwkukcpc0"O t0Y cnij "xkgy gf "pgy "v'gej pqm'j { "cu'qpn' "  
r tqxgp'y j gp"qr gt cv'kpi "uweeguuhwm' "lp"hm'u'ecng"cpf "y qwf "pqv'tgeqo o gpf "ej cpi kpi "kh"  
k'o c { "pqv'y qtn0"J g'r tqxkf gf "gzco r ngu'qh'j qy "pgy "v'gej pqm'j { "lp"v'j g'r cu'v'j cf "tcf g/  
qhhu'v'j cv'r tqxgf "pqv'xkcdng"hqt "eqpv'kpwgf "wug0"  
"

Uwr gt xkuqt "J c'j p'eqo r rko gpvgf "O t0Y cnij "hqt "uc { kpi "k'y qwf "dg'f gxcu'cv'kpi "v'j" c'xg"c"  
tgrgcug'qh"O J H0"O t0Y cnij "eqphkto gf "v'j cv'Xcrgtq'y qwf "uwr r qt v'uchgt "v'gej pqm'j { "kh"  
hgculdng0"Uwr gt xkuqt "Dct vgw'kps wktgf "cu'v'j g'r tqeguu'v'j g'tghkpgt { "y qwf "j c'xg"v'j "vcng"  
v'j uy ke'j "htqo "J H'v'j "uwhwtle"cekf 0O t0Y cnij "r qkpwgf "qww'v'j g { "ctg'f khgtgpv'u' ugo u"  
y kj "f khgtgpv'gs wkr o gpv."dw'uwhwtle"cekf "ku'ngu'gh'ke'k'gpv."pqv'cu'uchg."tgs wktgu'o qtg"  
ur ceg."cpf "pq'tghkpgt { "j cu'gxgt "eqpxgtvgf "htqo "J H'v'j "uwhwtle"cekf 0'  
""

Tqp "O kngt. "Gzgewkxg"Ugetg'vct { "hqt "v'j g'Nqu"Cpi grgu'Qtcp' g'E'qwp'v'ku'Dw'kf kpi "cpf "  
Eqputw'v'kqp"Vtcf gu'E'qwp'ekn"utguugf "v'j g'ko r qtvcpeg'qh'uchgv' "cpf "dgrkxgu"v'j cv'v'j g"  
o kki cvkqp'y kn'cuukv'lp'tgf w'ekpi "kplwt { "uko krc' "v'j g'dgpghku'htqo "ugc'v'g'nu'f w'kpi "ect"  
ceekf gpw0"  
"

Lqj p"J c'ppc."Uqwj y guv'Tgi kqpcn'E'qwp'ekn'qh'Ectr gpvgtu."j ki j rki j vgf "v'j g'lpj gtgpv'tkun'lp"  
qr gt cv'kpi "c'tghkpgt { ."cpf "v'j g'ko r qtvcpeg"v'j" c'xg"un'kngf "y qtnngtu"cpf "c'uchg"y qtnr n'ceg0'  
J g'uwr r qtvgf "v'j g'O QW'cr r tqcej "y kj "gpj cpegf "o kki cvkqp."cpf "pq'r j cug"qww'qh"J H0"  
J g'cnuq'y cu'pqv'v'qrf "v'j cv'v'j g'tghkpgt'ku'y qwf "enqug"cu"c't'guw'v'j qh'v'j ku'kuwng0'  
"

Uwr gt xkuqt "J c'j p'cungf "kh'v'j g'wp'kqp'u'y qwf "uwr r qt v'c'uchgt "v'gej pqm'j { "kh'xkcdng0"O t0'  
J c'ppc"go r j cuk gf "v'j g'ko r qtvcpeg"qh'uchgv' "v'j y qtnngtu'dw'w'pf gtuv'qqf "v'j cv'pgy "  
v'gej pqm'j { "o ki j v'dg"v'j q'equu' { 0J g'cf f gf "k'y kn'dg'et'k'kecn'v'j"gpw'wtg'v'j g'lpf w'wt { "f qgu"  
y j cv'v'j g { "uc { "y kn'dg'f qp'g0""

Vj tgg'ur gcngrtu'tgr t gupvgr "eqo o wprk' i tqwr u0'

Erkh'J gku'htqo 'y g'Vqttcpeg'Tghkpgt { 'Cevkqp'Crncpeg'ur qng'cdqww'c"  
r gthqto cpeg'ucpf ctf 'y cv'cewcm' r tqvgeu'y g'eqo o wprk' 'cpf 'tgs wguv' rcti gt'j qng"  
uk' gu'htqo 'c' o clqt'tgrgcug'cpf 'qpn' r cuukxg'o kki cvkqp'uko kct'vq'WUUGRC'ay' qtu'ecug"  
uegpctk' r ctco gvg' wpf gt' y gk' tkun' b cpei go gpv' r tqi tco 0'C' xkf gq' y cu' uwdugs wgpv' "  
uj qy p'j ki j rki j vpi 'r qkpw'o cf g'd { 'Uqwj 'Eqcu'CS O F' uchi'cv'y g'Hgdtwct { 'Dqctf "  
o gg'vpi 'tgi ctf kpi 'cp'J H'tgrgcug'cpf 'ko r cev'vq' y g'dqf { 0'K'cnuq' r tqxkf gf 'gzco r ngu'qh"  
kpekf gpv'y j gp'y g'o kki cvkqp'u' ugo u' hckrgf . 'cpf 'j qy 'y g'o kki cvkqp'ecp'tgf weg'dw'pqv'  
grko kpcv' y g' tkun'htqo 'c' o clqt'ceekf gpv'0'"  
"

Crlek'Tkxgic.'eqo o wprk' 'qti cpk' gt' hqt'Ego o wprk'gu'htq'c'Dgwt'Gp'xktqpo gpv.'  
ur qng'cdqww'y g'v'ti gpv'pggf 'v' r j cug'qww'J H'k'p'hqwt' { gctu'cpf 'dwkf 'pgy 'u' ugo u'y cv'  
y qwf 'i gpgtcv' lqdu'0'J gt'qti cpk' cvkqp'y qwf 'pqv'ur r qtv'cp'O QW'qt'c' r gthqto cpeg'  
ucpf ctf 0'  
"

Ft0Ucm' 'J c { cvk'qh'Dcp'Vqzke'J H'pqvg' 'y cv'pq' r gthqto cpeg'ucpf ctf 'y qwf 'dg'  
ceegr wdr'g'xgp'y kj 'o wmr'ng' r { gtu'qh'tgf wpf cpv'u' ugo u'cpf 'y cv'dgkpi 'g'zr qugf 'v' ; 7"  
r r o 'hqt'32'o kpwgu'eqwf 'hkn'r gqr ng'0'"Uj g'tgo kpf gf 'y g'Ego o kvgg'qh'y g'3; : 6'Wp'kqp"  
Ectdkf g'Dj qr cn'ceekf gpv'htq'y j kej 'y g'r rcpv'y cu'f guki pgf 'v' 'dg'hckuchg.'y kj 'o wmr'ng'  
r { gtu'qh'o kki cvkqp' \*g' 0'y cvgt'ew'vcp.'uqtc' g'w'pf gti tqw'pf . 'gve'0'0'Cm'y g'o kki cvkqp'  
hckrgf 'cpf 'cu'c'tguw'w'52.222'r gqr ng'f k'gf 'cpf '722.222'r gqr ng'y gtg' r gto cpgp'v' 'kplw'gf 0'  
Uj g'r tqxkf gf 'o qf grki 'tguw'w'htqo 'ecv'w'qr j k'tgrgcug'htqo 'dqy 'tghkpgtku'g'xgp'y kj "  
o kki cvkqp.'cpf 'y cv'cp'gxcew'cvkqp'ku'pqv'hgcukdng'cpf 'uj g'ngtkpi 'kp' r me'g'ku'pqv'cf gs wcv'g0'  
Ft0J c { cvk'dg'ng'xgu'O J H'tgr mego gpv'y kn'etgcv'cr r tqzko cvgn' '622'lqdu'cv'gcej "  
tghkpgt { 'cpf 'y g' { 'y qwf 'pqv'uj w'f qy p0'Uj g'f k' 'pqv'dg'ng'xg'cm'r quukdng'f kucvgt'  
uegpctk'qu'eqwf 'dg'hqtguggp'cpf 'y wu'tghkpgtku'y qwf 'dg'wpcdng'v'f guki p'c'hckuchg'  
u' ugo 0'"  
"

Uwr gtxkuqt'J c j p's wguv'kpgf 'j qy 'y g'eqo o wprk' 'y kn'itgcev'kh'cp'kpetgcugf 'pwo dgt'qh'  
v'wemu'tguw'w'htqo 'eqpxgtukqp'v' u'w'htle'cekf 0'Ft0J c { cvk'y cu'o qtg'eqpegtpgf 'cdqww'J H'  
v'wemu.'y kpmu'y g'pwo dgt'qh'u'w'htle'cekf 'v'wemu'ku'gzci i gtcv'gf 'cpf 'ku'nguu'y cp'qpg"  
r gtegpv'qh'y g'f ckn' 'v'wem'v'kr u'kp'y g'ctgc'crtgcf { 0'Y j gp'cungf 'cdqww'y j cv'uegpctk'  
eqpegtpu'j gt'o quv'Ft0J c { cvk'tgur qpf gf 'c'ukz/lpej 'j qng'uk' g'cpf 'y g'cekf 'gxcew'cvkqp'  
r kr g'y cv'y qwf 'kpv'gthgt'y kj 'y g'cdk'v' 'v'q'tgo qxg'y g'J H'v'c'uchg'mecv'kqp0'"  
"

O c { qt'O kej gm'cungf 's wguv'kpu'tgi ctf kpi 'J H'xcr qt.'cgtquqrk' cvkqp.'y kpf 'ghg'ew'cpf "  
m'ecv'kqp'qh'uej qqu'lp'y g'ctgc0'Ft0J c { cvk'f guetkdgf 'j qy 'J H'oh'ruj gu'ö'j qy 'y kpf "  
ur ggf 'ecp'j gr 'f kur gtukqp'cpf 'y cv'uk'm'eqpf k'k'k'pu'ctg'o qtg'f cpi gtqwu'=44'uej qqu'lp'y g'  
ch'g'ev'gf 'ctgcu'kpen'f kpi 'p'kpg'r tg/uej qqu'=cpf 'xcr qtu'ecp'uk'kn'uggr 'kp'v'c'j qo g'kh'  
g'zr qugf 'hqt'hqpi 'r g'kqf u'qh'v'ko g0'"  
"

"

## Public Comment

Ugxgpv{ 'ur gcngtu. 'kpenwf kpi 'y g'i gpgtcn'r wdne. 'tghkpgt { 'y qtngtu. 'wplqp"o go dgtu. "cpf " tgukf gpw' y cv'rkxg'ctqwpf 'y g'tghkpgtkgu. 'r tqxkf gf 'vguko qp{ 0'Mg{ 'eqo o gpw'kpenwf gf <"

- Vj gtg'ctg'qy gt'uekpeg/dcugf 'j gcnj 'r tqvgevkxg'ucpf ctf u'y cv'ctg'cu'my "cu'3/5" r r o "eqpegpvcvkp="
- Vj g'qpn{ 'hckuchg'uqnwkqp'ku'v' r j cug'qww'y g'wug'qh'J H'dw': "{ gctu'ku'vq'qpi ="
- Rj cug'qww'J H'kp'hqwt "{ gctu. "cpf "pq' r gthqto cpeg'ucpf ctf ="
- C"32/o kpwg"gzr quwtg'vko g'ecppqv'dg'uwr r qtvgf. 'hpi gt'gzr quwtg'f wcvkqpu" uj qwf "dg'gxcwcvgf ="
- Ceekf gpw'f q'j cr r gp'uq'ecppqv'tgn{ "qp"o kki cvkqp="
- Uwr r qtv'hqt'cngtpcvkxg'pgy "vgej pqm{ { ="
- Eqpegtp'cdqw'hcnm'qh'hqecn'uwr r ngu'qh'y g'cpwf qv'kh'y gtg'ku'cp'ceekf gpv="
- F kucdrf 'r gqr ng'y qwf "pqv'dg'cdng'v'gxcwcvgf="
- Pqv'r j culpi "qw'O J H'uwr r qtw'gpxktqpo gpv'ntcekuo ="
- Gzkukpi 'twnm'tchle"eqwpvgf "3.57; 'r gt'f c{. "uq'47"o qtg'twemu'r gt'f c{ "ku" pgi rki kdrg="
- Uwhwtkc'cekf 'ku'pqv'cu'f cpi gtqwu'cu'J H="
- Uwr r qtv'gpj cpegf "o kki cvkqp"o gcuwgu="
- Uwr r qtv'y g'O QW'er r tqcej "cpf "qr r qug'c'twng="
- O QW'y qwf "o gcp'pq'lqd'hqu'cpf "pq'i cuqkpg'r tleg'ur kngu'hqt'equwo gtu="
- Tghkpgtkgu'eqpvtkwg'v'j gr hwn'r tqi tco u'lp'y g'eqo o wplv{ "cpf "hqt'y g"{ qwj ="
- Cf xcpwi g'qh'y g'O QW'ku'y g'cdkvw{ "v'f guki p'hqt'gcej "wpls wg'tghkpgt { ="
- Kpetgculpi 'uchgv{ "o gcuwgu'y kni gpgtcvg'lqdu'cpf "nggr 'tghkpgtkgu'qr gtcvki ="
- Uchgv{ 'ku'c'r tkqtkv{ ="
- 72 "{ gctu'qh'qr gtcvki'cv'Vqttcpeg'y kj "pq'qh'ukg'tgrgcug'qh'J H="cpf "
- Y qwf "pqv'y qtm'cv'y g'tghkpgt { 'kh'eqpegtpgf "cdqw'uchgv{ 0'

"

Dgm'y "ku'y g'rkv'qh'92"ur gcngtu'y j q'r tqxkf gf 'r wdne"eqo o gpw'\*pco gu'cpf " qti cpl{ cvkqpu'ctg'rkvgf "dcugf "qp'kphqto cvkqp'r tqxkf gf "qp'y g'uwo kwgf "ur gcngt'ectf "cv" y g'o ggkpi +0'

30 O ctkdgnlCnglcpf tc "ó" P qp/Rtqlkv"  
 40 Lcpqg'Crhqpuq "ó" T gfp qf q'Dgcej 't gukf gpv"  
 50 Hgtpcpf q'Cnco kcpq "ó" T gukf gpv'qh'Y kno kpi vqp"  
 60 KcdgnlCnrgt gpi c "ó" EDG"  
 70 O cw/Cpf gtuqp "ó" Ucp'Rgf tq'T gukf gpv.'Xcrgtq"  
     Go r m{ gg"  
 80 Ectmqu'Detclcu "ó" Go r m{ gg'qh'Xcrgtq'cpf "  
     Y kno kpi vqp'T gukf gpv"  
 90 O qpks wg'Detclcu "ó" Wpkgf 'Y kno kpi vqp' l qwj "( "  
     Y kno kpi vqp'T gukf gpv"  
 : 0 Nkpf c'Dcuugw "ó" Vgcej gt 'lp'Y kno kpi vqp"  
 ; 0 F qwi 'Dgpf gt "ó" Vqttcpeg'T gukf gpv"  
 320 Cnlek 'Dgtj qy "ó" QE'Dk 'Eqwpekl'  
 330 Lwkg'Dqhkpi gt "ó" Vqttcpeg'Go r m{ gg"  
 340 Ej tkukpg'Dqu "ó" ND'Ctgc'Ej co dgt'qh'Ego o gteg"  
 350 Ectqkpg'Dtcf { "ó" Hkpf u'qh'Ecdtkm'O ctkpg"  
     Cs wctkwo "  
 360 Vko 'Dtgy gt "ó" VTCC"  
 370 Mvkg'Dwrgt "ó" NCC'Egwpv{ 'Rwdne'J gcnj "  
 380 F cxkf 'Eco r dgm "ó" Wpkgf 'Uggri'Y qtngtu"  
 390 Dgcvtk 'Ecttkmny "ó" Y kno kpi vqp'T gukf gpv"  
 3: 0 Mv{ { 'Ere { "ó" VTCC"  
 3; 0 Ej ctrkg'Ergpf qt "ó" Vqttcpeg'T gukf gpv"  
 420 Cppc'Ej tkugpugp "ó" Nqpi 'Dgcej . 'Ugttc'Enwd"  
 430 Crgz 'Eqpucpv "ó" Uqwj 'Dc { 'T gukf gpv"  
 440 Ugxg'F kmny "ó" Vqttcpeg'T gukf gpv"  
 450 Ueqw'Gcung { "ó" KpviDtqvj gtj qqf 'qh'Grgestkcn'  
     Y qtngtu"  
 460 J ctxgl 'Gf gt "ó" Uqnet'Rqy gt'Egcrkxqp"  
 470 Gf kj c "ó" Xcrgtq'Go r m{ gg"  
 480 I gpi j o wo 'Gpi "ó" Vqttcpeg'T gukf gpv"  
 490 Iko 'Gpki gt "ó" VTCC'Uekpeg'Cf xkuqt { "  
 4: 0 Nwctc'Gur kpql c "ó" Y kno kpi vqp'T gukf gpv.'O qvj gtu"  
     qh'Y kno kpi vqp"  
 4; 0 Vqo o { 'Hccxcg "ó" EDGY . 'Nqecri'Wpkqp"33"  
 520 O grkuuc'Hko dtgu "ó" Xcrgtq'Go r m{ gg"  
 530 Cto cpf q'Hqrgtgu "ó" XKEC( 'Nqpi 'Dgcej "  
     Ej co dgt'qh'Ego o gteg"  
 540 [ qncpf c'Hwgpvu "ó" Ucp'Hgtpcpf q'Xcrg{ 'T gukf gpv"  
 550 I kpc "ó" Nkxgu'pgct'T ghkpgt { "  
 560 Dkpec'I ctekc "ó" Gpgti { 'Rcvj y c { 'Rtqi tco "  
 570 Lcp'I ctf pgt "ó" T gkfg 'Rj { ulekp.'Rcnqu'Xgtf gu"  
     T gukf gpv"  
 580 Hqrgpeg'I j ctkdkcp "ó" F grlCo q'Cevkqp"  
     Ego o kwgg"  
 590 Lqgrj 'I qrf drcw "ó" Xcrgtq'Y kno kpi vqp'Go r m{ gg"  
 "  
 "  
 "  
 "

5: 0 Ugxg'I qrf uo kj "ó" VTCC"  
 5; 0 Co grkc'I qp| cngl "ó" T gukf gpv'qh'Y kno kpi vqp"  
 620 Lqug'I qp| cngl "ó" T gukf gpv'qh'Y kno kpi vqp"  
 630 Nwctc'I tcekc "ó" EDG"  
 640 Co { 'I tcv "ó" Y kno kpi vqp'Ej co dgt'qh"  
     Ego o gteg"  
 650 F qppc'J gkug "ó" Vqttcpeg'T gukf gpv"  
 660 Cuj rg { 'J gtpcpf gl "ó" Y kno kpi vqp'T gukf gpv"  
 670 Mv{ gtlpg'J qhh "ó" EDG"  
 680 O cti kg'J q { v "ó" Uqwj 'Dc { 'T gukf gpv"  
 690 Lq { eg'Mctgr "ó" VTCC"  
 6: 0 I gqti g'Mxgw "ó" Uqwj 'Dc { 'Cuuqe'qh'Ej co dgt"  
     qh'Ego o gteg"  
 6; 0 Y knko 'Mpqrh "ó" Uetco gpv.'EC'Cur j cnv"  
     Rcxgo gpv'Cuuqekvqp.'Uetco gpv"  
 720 Mv{ gtlpg'Nwckpq "ó" Uekgpv' / ( "Vqttcpeg"  
     T gukf gpv"  
 730 O kpj 'Nww "ó" Dq { u'cpf 'I knu'Enwd"  
 740 Lguug'P O O cts wgl "ó" Egcrkxqp'hqt'c'Uchg"  
     Gpxkqpo gpv"  
 750 Dtkf i gv'O eEcpp "ó" Y URC"  
 760 Lcuo kp'O gpc "ó" Dq { u'cpf 'I knu'Enwd.'Nqu"  
     Cpi grgu'J ctadt"  
 770 Guo gtcnf c'O gpf gl "ó" Xcrgtq'Y kno kpi vqp"  
     Go r m{ gg'( "Y kno kpi vqp'Go r m{ gg"  
 780 F qtqv { 'O qqtg.'O F "ó" Vqttcpeg'T gukf gpv"  
 790 F cxkf 'Rquvgt "ó" VTCC"  
 7: 0 DkniTg { pqr u "ó" Y kno kpi vqp'T gukf gpv"  
 7; 0 Ej tkvqrj gt'T qf tki wgl "ó" Hvj gt'y qtnu'cv"  
     Xcrgtq"  
 820 Co cnk'Ucpej gl "ó" Ek { 'qh'Y kno kpi vqp"  
     T gukf gpv"  
 830 Cni'Ucwrgt "ó" Ugttc'Enwd.'Uqwj 'Dc { "  
 840 Ecttkg'Ueqxknrg "ó" Ucp'Rgf tq'F go qetck'Rctv { "  
 850 Ugxgp'Ugcej "ó" VQTE'Go r m{ gg( "Vqttcpeg"  
     T gukf gpv"  
 860 Eppkpg'Uwnkxcp "ó" VTCC"  
 870 Gkug'Uy cpup "ó" Ucp'Rgf tq'Ej co dgt'qh"  
     Ego o gteg( "Vqttcpeg'T gukf gpv"  
 880 F qppc'Vett "ó" P gctd { 'T ghkpgt { 'T gukf gpv"  
 890 Uctcj 'Y knkpi "ó" Dk hgf "  
 8: 0 O kny'Y qrh "ó" Uv'Ej qleg'Ugtxlegu"  
 8; 0 Ectqn { p' l quj kf c "ó" Vqttcpeg'T gukf gpv"  
 920 Hcpni\ co dcpq "ó" Uqwj 'Eqcuw'T gi kqp'Ectr gpvgtu"



Rwdrlk'vguko qp{ 'y cu'hqmqy gf 'd{ 'eqo o gpw'ltqo 'y g'Tghkpgt{ 'Eqo o kwgg'o go dgtu0"  
"

Uwr gtxkuqt'J ej p'y cpvqf 'c'uqmwkqp'y cv'uw r qt w'lqdu'cpf 'tgf wegu'tkum'cpf 'dgrkxgf 'c"  
uchgt'cngtpevkxg'vq'J H'y qwrf "pqv'rgcf 'vq'c'muu'qh'lqdu'dw'y qwrf 'r tqvgev'y qtngtu'ltqo "  
y ku'f cpi gtqwu'ej go kcr0"Uj g'gzr tguugf 'y g'pggf 'vq'dcp'J H'y kj 'c'f gcf kpg'pqy 'y kj "  
kpgtko 'o gcuwtgu'cnpg'vq'r tqvgev'y g'eqo o wpx{0'  
"

O c{qt'O kej gmi'cnuq'dgrkxgf 'r j culpi 'qw'J H'uj qwrf "pqv'equ'lqdu'cpf 'y cu'eqpegtpgf "  
cdqw'cpcn{| kpi 'cm'r quukdrg'uegpctku'kpenw kpi 'y qug'gxgpw'y cv'pgxgt'j cr r gpgf 'dghqtg"  
eklpi 'gzco r ngu'qh'y g'Rj krcf gr j k'c'tghkpgt{ 'hkt glg zr mukuqpu.'y g'4237'Gzzqp'O qdki'  
gzr mukuqp.'cpf 'y g'Ej gtpqd{ n'pwerget'ceekf gp0"Uj g'j ki j rki j vqf 'y cv'y g'tkuniku"  
cxqkf cdrg.'cmdgk'c'dwtf gp"qp'y g'tghkpgtkgu.'cpf 'uw r qt w'pgct'vgt o 'o kki cvkqp'cpf 'mupi /  
vgt o 'r j cug'qw'gur gekcm{ 'y j gp'tgeqi pk kpi 'j qy 's wlem{ 'pgy 'vej pqmi { 'ecp'dg"  
cf cr vqf 0'  
"

Eqwpeki'O go dgt'Dgpqk'uw r qt vqf 'uchgt'vej pqmi { 'dw'cenpqy rgi gf 'k'ku'pqv'  
eqo o gtekm{ 'r tqxgp'pqy . 'uq'tgeqo o gpf gf 'O QWu'cu'uqqp'cu'r quukdrg0"Uwr gtxkuqt"  
Dctwgv'wtguugf 'y g'pggf 'hqt'r wdrlk'uchgv{ 'cpf 'kppqxcvkxg'cngtpevkxgu=j qy gxgt."  
uw r qt vqf 'O QWu'y kj 'o kki cvkqp'cpf 'y j gp'vej pqmi { 'ku'r tqxgp.'y gp'tgs wktg'k'lp'y g"  
mqpi 'vgt o 0'  
"

Ej ckt'O eEcmqp'tgo kpf gf 'y g'Eqo o kwgg'y cv'tghkpgtkgu'ctg'tgs wktgf 'vq'tgxkgy 'y gkt"  
gs wkr o gpv'gxgt{ 'hkg'g{ gctu'cpf 'f gvgto kpg'kh'y gtg'ku'dgwgt'vej pqmi { 'vq'kpuwcm'cpf "  
qr gtcvg0"J g'uw r qt vqf 'y g'cf f kkpccn'ucvg'qh'y g'ctv'o kki cvkqp'o gcuwtgu'd{ 'y g"  
tghkpgtkgu'cpf 'xkgy gf 'y g'qpg/lpej 'j qng'cu'c'etgf kdr'uegpctkq0"Ej ckt'O eEcmqp"  
kptqf wegf 'y g'hqmqy kpi 'o qvqp<"  
"

F KTGEV'CS O F 'UVCHH'VQ'EQP VR WG'VQ'Y QTM'VQ"  
F GXGNQR'UGRCTCVG'O QWU'Y K/J 'VJ G'VQTTCP EG"  
CP F 'Y KNO R I VQP 'TGHK GTKGU'Y K/J 'VJ G'I QCN'QH"  
DT R I R I 'VJ GO 'VQ'VJ G'HWNN'I QXGTP R I 'DQCTF "  
HQT'CRRTQXCNC'V'VJ G'P QXGO DGT'423; 'O GGV R I 0'  
VJ G'O QWU'UJ CNN'R ENWF G<'C'F GO QP UVTCVKQP "  
QH'O GGV R I 'C'J GCNVJ 'RTQVGEVKXG"  
RGTHQTO CPEG'UVCP F CTF 'QH'CP 'CXGT CI G"  
GZRQUWTG'EQPEGP VTCVKQP 'QH'; 7'RRO .'QXGT'32"  
O R WVGU.'CU'O GCUWTF 'C'V'VJ G'P GCTGUV"  
RGTO CP GP V'TGUK GP VKCN'TGEGRVQT.'C"  
F GO QP UVTCVKQP 'DCUGF 'QP 'ETGF KONG'TGNCGUG"  
UEGP CTIKU'URGEKHE'VQ'GCEJ 'TGHK GT[ Ø'U O J H'  
CNM NCVKQP 'WP K'WUR I 'C'3'R EJ 'TGNGCUG'J QNG"  
UK G.'CP F 'K GP VHEKCVKQP 'QH'CP F 'ETGF K'QH'CNN"  
GZKUR R I 'CP F 'RCUUKXG'O K/K CVKQP 'O GCUWTGU"

CU'Y GNN'CUP GY 'RCUUK&G'CPF 'CEV&G'  
O KVK CVKQP 'GP J CPEGO GP VU'RTQRQUGF 'R' 'VJ G'  
F GO QP UVTCVKQP 'QH'O GGV&I 'VJ G'  
RGTHQTO CPEG'UVCPF CTF O'  
"

O t0P cutk'tgo kpf gf 'y' g'Ego o kweg'y' cv'cp'cxgtci g'g'zr quwtg'eqpegpvcvkqp'qh'; 7'r r o "  
q xgt'32'o kpwgu'eqwrf 'tguw'lp'c'qpg/o kpwg'g'zr quwtg'qh'; 72'r r o 0"  
"

Uwr gtxkuqt 'J' c j p'ucv'gf 'y' g'pggf 'v'g'ko kpcv'g.'cpf 'pqv'l'wuv'tgf weg.'y' g'tkumltqo 'cp'J H'  
tgrgcug0""Uj g'tgo kpf gf 'y' g'Ego o kweg'y' cv'cm'y' g'Nqu'Cpi gngu'Eqwpv' 'Uwr gtxkuqtu'  
uwr r qtv'c'dcp'qh'J H'cu'y' gm'cu'y' g'NOC0Eqwpv' 'F gr ctvo gpv'qh'Rwdrke'J gcmj 0'Uj g'  
y qwrf 'cmjy 'y' g'tghkpgtkgu'v'f gekf g'qp'y' g'cngtpcvkxg'v'gej pqm' { 'dw'y' j cv'pggf u'v'q'dg'  
f gvgto kpgf 'ku'j qy 'm'pi 'y' g' { 'y qwrf 'j' cxg'v'v'c'pukv'kp0'  
"

O c { qt'O k'ej gml'tgkgtcv'gf 'uwr r qtv'qh'c'twrg'v'q'dcp'O J H'cpf 'k'p'y' g'lpv'g'tko 'j' cxg'  
o kki cvkqp'y' cv'eqwrf 'dg'ko r ngo gpv'gf 'y' tqw'j 'cp'O QW0'Uj g'y' qwrf 'pqv'uwr r qtv'qpg'v'q'  
vy q/pej 'j' qrg'uk' g'dw'tcv'gt 'y' g'uegpctkq'qh'y' g'y' j qrg'kpxgpv'qt { 'dgl'pi 'tgrgcugf 0'Uj g'  
y qwrf 'uwr r qtv'cm'r cuukxg'cpf 'cevkxg'o kki cvkqp.'dw'y' g'tgegr v'qt 'm'ecvkqp'uj qwrf 'dg'y' g'  
hgpegnkpg0'Vj tguj qrf 'r'tghgtgpeg'y' qwrf 'dg'CGI N/3'cpf 'CGI N/5'ku'pqv'ceegr vcdrg0'Uj g'  
go r j cuk' gf 'y' cv'c'twrg'y' kj 'v'ko g'kpgu'r tqxkf gu'egtvc'kp'v' 'hqt'kpf wut { 0'  
"

Uwr gtxkuqt'Dctrgw'o c'k'pvc'kpgf 'uwr r qtv'hqt'cp'O QW'y' kj 'c'twrg'cv'c'rcvgt'f'c'v'g'cpf "  
j ki j rki j vgf 'y' cv'o kki cvkqp'y' km'tgf weg'y' g'tkumltqo 'c'tgrgcug'qh'O J H0'  
"

Uwr gtxkuqt 'J' c j p'tgs wgu'gf 'c'r kxqv'v'q'r j' cug'q'w'kh'y' g'r gthqto cpeg'uc'p'f'ctf 'ku'pqv'o gv."  
dw'y' g'Ej c'k'O eEcmj'f'k'f'pqv'y' kpn'k'y' cu'p'gegu'ct { 'v'k'p'cm'f'g'c'r j' cug'q'w'k'p'cp"  
O QW0J g'cf f gf 'y' cv'kh'y' g'tghkpgtkgu'ecppqv'o gg'v'y' g'r gthqto cpeg'uc'p'f'ctf 'y' kj 'cm'  
cf f k'k'q'p'cn'o kki cvkqp'y' gp'y' g'y' qwrf 'tgxgt'v'q'c'twrg0"  
"

Cv'y' g'eqpenwukqp'qh'y' g'f'kuewukqp.'y' g'o qv'kqp'y' cu'o qxgf 'd { 'Ej c'k'O eEcmj'p"  
cpf 'ugeqpf gf 'd { 'Eqwpeki'O go dgt 'Dgpqk0'Vj g'o qv'kqp'r cuugf 'd { 'y' g'hqmqy kpi "  
xqvg<"  
"

C[ GU< Dctrgw.'Dgpqk.'O eEcmj'p"  
P QGU< J c j p.'O k'ej gm'  
CDUGP V< P qpg"  
"

### Other Public Comments

J c'txg { 'Gf gt'htqo 'y' g'Rwdrke'Uqmt'Rqy gt'Eqrckkqp'gpeqwtci gf 'ko o gf k'cv'v'q'v'cn'uqmt"  
r qy gt'eqpxgtukqp'cpf 'h'uv'gf 'r cu'v'r r'pu'uwr r qtv'kpi 'uqmt0'C'p'p'c'Ej t'k'uv'pugp'htqo 'y' g'  
Ukgttc'En'xd'cungf 'y' cv'Uqwj 'Eqcu'v'CS O F 'uwr r qtv'y' g'rcy u'v'k'v'qp'y' g'Nqu'Egttkqu"  
Y g'w'p'f'u'r tq'lg'ev'y' cv'ku'i' gp'gtcv'kpi 'j' ki j 'co q'w'p'u'qh'i' tggpj q'wug'i' cu'go k'uk'q'pu0"  
Vq'tt'c'peg't'gukf gp'v'F t0I gpi j o w'p'Gpi 'k'p's v'k'gf 'cdq'w'y' g'O QW'r t'q'egu'v'cpf 'r' wdrke"

r ctvkr cvkpp"vq"y j lej "j g'y cu'cuwtgf "vj g'r wdne"y qwf "dg"i kxgp"vj g"qr r qtwpk\ "vq"  
r ctvkr cvg"kp"vj g'hpcn'r tqf wv0'  
"

Vj g"o ggkpi "y cu'cf lqwtpgf "cv'crr tqzko cvgnf "4<6; "r 0 0"  
"

### Attachments

C0 Rt gupvcvkpu"ht "vj g'Tghkpgt { "Eqo o kwegg"j cxg"dggp"r quvgf "qprkpg"cpf "ecp"dg"  
ceeguugf "htqo "vj g'hqmy kpi "y gdr ci g<"[j wr <1y y y 0s o f 0 qx lpcx lcdqwni tqwr u/](#)  
[eqo o kweggultghkpgt{/eqo o kwegg0"](#)

D0 Vqttcpeg"Thkpi "Eqo r cp { "Rtqhgt "Ngwt"

E0 Wntco ct "Rtqhgt "Ngwt"



**Torrance Refining Company LLC**  
3700 W. West 190<sup>th</sup> Street  
Torrance, CA 90504  
[www.torrancerefinery.com](http://www.torrancerefinery.com)

***VIA OVERNIGHT MAIL***

August 30, 2019

Honorable Mayor Larry McCallon  
Refinery Committee Chair  
Governing Board Member  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, California 91765

***Subject: Torrance Refining Company LLC Voluntary Modified Hydrofluoric Acid Alkylation Unit  
Safety Enhancement Commitments***

Dear Mayor McCallon,

As you are aware, Torrance Refining Company LLC ("TORC") has been working with the South Coast Air Quality Management District ("District") in connection with the rulemaking process for "Proposed Rule 1410, Hydrogen Fluoride Storage and Use at Petroleum Refineries" ("PR 1410"), which impacts TORC's Torrance Refinery. This process has been focused upon enhancing the safety of the Modified Hydrofluoric Acid ("MHF") alkylation catalyst technology utilized at the Torrance Refinery. Through the very rigorous PR 1410 public process, which has included the participation of various stakeholders at public Refinery Committee meetings as well as Working Group meetings with District staff, we have demonstrated that MHF continues to be safe to use at the Torrance Refinery's current operating conditions. The existing safety systems are multi-layered and redundant in order to contain and prevent any offsite release of HF and protect Refinery personnel and the community while allowing TORC to reliably produce alkylate, which is a critically important blending component that is necessary for the production of compliant California reformulated gasoline.

Based on the June 22, 2019 Refinery Committee meeting, the PR 1410 process currently involves the negotiation of a Memorandum of Understanding ("MOU") and/or rulemaking for the implementation of safety enhancements. The implementation of additional state-of-the-art safety enhancements at the MHF Alkylation Unit have been part of the ongoing discussions with the District. Continuation of the PR 1410 process will delay critical decision-making by TORC regarding the implementation of these further enhancements. Additionally, it is clear that a safer and viable alternative technology for HF and MHF currently does not exist. As communicated throughout the PR 1410 public process, even though the MHF Alkylation Unit's existing safety systems already have been successful and proven in protecting Refinery personnel and the community, TORC has devoted significant time and resources to identifying additional technological enhancements that will ensure the safest possible use of HF and MHF in the Unit. TORC has reached a critical juncture in terms of its ability to timely implement the proposed safety enhancements as currently proposed by the next scheduled unit turnaround anticipated to take place in early 2021.

In order to obviate the need for further rulemaking with respect to the use of HF and MHF at the Torrance Refinery, TORC proffers to implement the safety system enhancements set forth on **Exhibit A** beginning



Honorable Mayor McCallon, Refinery Committee Chair,  
South Coast Air Quality Management District  
August 30, 2019  
Page 2

in 2020 with anticipated completion in 2021 (the "Voluntary Safety Enhancements"), in accordance with the terms and conditions hereof and thereof. Acceptance of this proffer by the District Governing Board will be the most expeditious means of implementing the safety enhancements at the Torrance Refinery and is in the best interest of all stakeholders. It is our understanding that acceptance of this proffer by the District Governing Board will require an affirmative vote and appropriate Board direction to staff. In the event of delays in completing the implementation of the Voluntary Safety Enhancements due to circumstances that are beyond TORC's reasonable control, TORC will notify the District as soon as it is aware of possible delays.

Of course, if the District Governing Board elects not to accept this proffer on the terms and conditions hereunder, TORC will continue to participate in negotiation of an MOU under the PR 1410 process and will defer the implementation of the Voluntary Safety Enhancements until a full and complete resolution of the PR 1410 process.

\* \* \*

TORC makes this proffer in good faith as a means of expediting the implementation of safety enhancements. As required by existing law<sup>1</sup>, upon the successful implementation of the Voluntary Safety Enhancements, TORC commits to continue to explore the feasibility of inherent safety measures, including alternative alkylation catalyst technology, every five years. We hope that the Governing Board will favorably consider this proffer to provide additional near-term protection to Refinery personnel and the community.

In submitting this letter, TORC reserves the right to supplement this letter and its prior responses and comments as it deems necessary, especially if additional or different information is made available to the public for the PR 1410 process.

Please note that nothing contained in this letter is intended or should be construed as an admission or a waiver of TORC's rights and remedies, whether legal or equitable, all of which are expressly reserved.

Sincerely,



Paul Davis  
President Western Region

Enclosure (1)

cc: Trecia Canty, Senior Vice President & General Counsel  
Steve Steach, Refinery Manager

---

<sup>1</sup> See Title 8 Cal. Code of Regs. § 5189.1(l); Title 19 Cal. Code of Regs. §2762.13.

## EXHIBIT A

### Voluntary Safety Enhancements

To further enhance the existing safety systems currently employed in the Torrance Refinery's MHF Alkylation Unit, TORC will implement the following Voluntary Safety Enhancements on the MHF Alkylation Unit, to further mitigate the likelihood and potential impact of any HF/MHF release from the MHF Alkylation Unit:

- 1) **Settler Area Protective Steel Structure** – TORC will install, maintain, and operate a protective steel structure around and over the MHF Alkylation Unit's acid settler area as additional passive mitigation to the existing settler pans, and as such, the structure will be:
  - a) Designed to protect the settlers from external impacts.
  - b) Designed to provide an additional barrier and promote an HF/MHF-water mixing environment to further increase MHF rainout in the event of a HF/MHF release from the settler area.
  - c) The south side of the structure facing the interior of the MHF Alkylation Unit will be designed to serve as a barrier and allow for natural light in order for unit operators and maintenance personnel to see into the structure's interior.
  - d) For the bottom of the structure, designed to be open to allow operators and maintenance personnel safe access to the settler area and reduce the potential of creating a flammable environment.
  - e) Designed to automatically deploy upon detection necessary volumes of water within the structure to mitigate a potential HF/MHF release from the settlers.
  - f) Designed and installed in accordance with industry and TORC's engineering standards, manufacturer specifications and guarantees, and pursuant to process safety hazard analysis, and operated consistent with, the City of Torrance Consent Decree ("Torrance Consent Decree")<sup>2</sup>, American Petroleum Institute's Recommended Practice-751 ("API RP-751"), California Process Safety Management Program ("CalPSM")<sup>3</sup>, and California Accidental Release Prevention Program 4 ("CalARP")<sup>4</sup> requirements, as applied by the Torrance Fire Department ("TFD"), Los Angeles County Fire Department ("LACFD"), the California Department of the Industrial Relations ("CalOSHA"), and California Offices of Emergency Management ("CalOES"), respectively.
  - g) Designed to prevent the creation of a confined space, to avoid interference with existing MHF Alkylation Unit mitigation systems, to minimize the confinement of flammable vapors, and to continue to provide for free ingress and egress from the unit within the safety and structural and foundation limitations of the unit.
- 2) **Settler Area Water Mitigation Dome and Curtain** – TORC will install, maintain, and operate a water mitigation dome and curtain over and around the MHF Alkylation Unit's acid settlers, and such dome and curtain, as additional active mitigation, and as such, the water mitigation system will:

---

<sup>2</sup> See Los Angeles County Superior Court, Case No. C 719 9530.

<sup>3</sup> See Title 8 Cal. Code Regs. §5189.1.

<sup>4</sup> See Title 19 Cal. Code Regs. § 2762.0.1 *et seq.*



- a) Include a new high volume water mitigation system around and over the acid settlers to promote mixing of water to contain a HF/MHF release in the settler area, while also creating a water curtain at the base of the structure, and will specifically consist of:
    - i) Two additional layers of water mitigation:
      - (1) Four overhead water monitors to form an umbrella dome inside the structure (Stage One).
      - (2) Spray curtain around the base of the structure (Stage Two).
  - b) Augment the MHF Alkylation Unit's existing water mitigation systems to provide a three-stage water response (Stage Three) in the settler area.
  - c) Automate upon HF/MHF detection in the acid settler area to allow a rapid and focused water mitigation response, specifically:
    - i) Automation of the new water mitigation system will allow water application and contact with any HF/MHF release after detection.
    - ii) The MHF Alkylation Unit's existing water monitors in the settler area can then be activated manually as needed to provide a third layer of targeted water mitigation (Stage Three).
  - d) Optimize the existing water mitigation monitors to ensure sufficient water mitigation coverage for the structure and acid settler area.
  - e) Be designed, installed and operated in accordance with industry and TORC's engineering standards, manufacturer specifications and guarantees, and pursuant to process safety hazard analysis, and operated consistent with the Torrance Consent Decree, API RP-751, CalPSM, and CalARP requirements as applied by TFD, LACFD, CalOSHA, and CalOES, respectively.
  - f) Ensure that the combination of the new monitors (Stage One) in the interior of the structure, spray curtains around the structure base (Stage Two), and the existing elevated monitors (Stage Three), can contain any credible HF/MHF release within the structure by the layered water mitigation systems.
- 3) **Settler Area Enhanced HF/MHF Detection System** – TORC will install, maintain, and operate an enhanced HF/MHF detection system in and around the MHF Alkylation Unit's acid settlers area, and as such, the detection system will:
- a) Include new open path laser detectors to monitor the acid settler area, and inside the structure.
    - i) These laser detectors will help identify any potential HF/MHF release and will automatically deploy the new water mitigation system within the structure upon detection.
    - ii) These laser detectors will allow Refinery operators to rapidly track and pinpoint the location of a HF/MHF release in the acid settler area.
  - b) Include new point source detectors to enhance the unit's existing detection system.
  - c) Include a new camera installed within the structure with video replay capability to provide visual monitoring of the settler area inside the structure.
  - d) Be placed, designed and installed in accordance with industry and TORC's engineering standards, manufacturer specifications and guarantees, and pursuant to process safety hazard analysis, and operated consistent with the Torrance Consent Decree, API RP-751, CalPSM, and CalARP requirements as applied by TFD, LACFD, CalOSHA, and CalOES, respectively.

- 4) **Northern Water Mitigation Monitors** – TORC will upgrade, maintain, and operate the northern water mitigation monitors, as enhanced active mitigation, and as such, the water mitigation system will:
  - a) Automate upon targeted HF/MHF detection to allow a rapid and focused water mitigation response, specifically:
    - i) Automation of the water mitigation system will allow proactive water application and contact with an HF/MHF release after detection.
    - ii) These water mitigation monitors can also be activated manually as needed to provide targeted water mitigation.
  - b) Optimize the water mitigation monitors to ensure sufficient water mitigation coverage.
  - c) Be designed, installed and operated in accordance with industry and TORC's engineering standards, manufacturer specifications and guarantees, and operated consistent with the Torrance Consent Decree, API RP-751, CalPSM, and CalARP requirements as applied by TFD, LACFD, CalOSHA, and CalOES, respectively.
- 5) **Fluidized Catalytic Cracking Unit ("FCCU") Electrostatic Precipitator ("ESP") over-pressure mitigation** – TORC will install and maintain FCCU ESP over-pressure mitigation which will be:
  - a) Designed to minimize the potential for a large section of the FCCU ESP to detach during an over-pressurization incident by providing an anchoring system for the ESP intake ducting.
  - b) Placed, designed and installed done in accordance with industry and TORC's engineering standards, manufacturer specifications and guarantees, and pursuant to process safety hazard analysis, and operated consistent with the CalPSM and CalARP requirements as applied by TFD, LACFD, CalOSHA, and CalOES, respectively requirements.





August 30, 2019

The Honorable Larry McCallon  
South Coast Air Quality Management District  
Chairman, Refinery Committee  
21865 Copley Drive  
Diamond Bar, CA 91765

Dear Mayor McCallon,

On behalf of Ultramar Inc., owner and operator of the Wilmington Refinery (Ultramar), I am pleased to proffer Ultramar's commitment to enhance our state-of-the-art hydrofluoric alkylation mitigation systems with unprecedented additional layers of protection.

As we have maintained throughout the District's consideration of Proposed Rule 1410, Ultramar has served as an industry leader in developing and implementing state-of-the-art approaches to minimize the likelihood that a release of hydrogen fluoride (HF) could occur and to provide for rapid detection and response in the unlikely event that a release were to occur. In addition to the systems currently in place, Ultramar, working with the District and other stakeholders, has identified additional measures that we believe will support and complement our existing systems and will provide additional measures of safety.

In lieu of further rulemaking or the need for a new or modified memorandum of understanding, Ultramar will commit to implement the following:

1. ***Open Path Perimeter HF Sensors.*** In addition to the open path monitors to be installed at the fenceline of the Wilmington Refinery pursuant to Rule 1180, Ultramar will install open path perimeter HF sensors around the Alky ReVAP Unit to further facilitate early detection and prompt response to any potential release of HF. Placement, design, and installation of the sensors will be done in accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. These sensors will be installed within one year of the District accepting this proposal.
2. ***Flange Guards.*** Ultramar shall install guards on each flange in the Alky ReVAP Unit in main acid service greater than 2 inches diameter. This measure is expected to improve rain out and subsequent capture of any acid released at a flange by the water mitigation system, and thus is expected to eliminate the potential for flange leaks to result in an offsite release. Design and installation of the flange guards will be done in

- accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. Absent issues that necessitate delay that are identified at the design phase, the flange guards will be installed no later than the completion of the next scheduled Alky ReVAP turnaround; however, if issues are identified in the design and engineering phase that preclude installation of the flange guards during the next scheduled Alky ReVAP turnaround, the flange guards will be installed no later than completion of the subsequent Alky ReVAP turnaround.
3. ***Automation of Water Curtain System.*** Ultramar will complete installation of a system to automate operation of the existing water curtain system in the Alky ReVAP Unit to expedite the activation of the water curtain systems. Design, installation and operation of the curtain automation system will be done in accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. Absent issues that necessitate delay that are identified at the design phase, the water curtain automation will be installed no later than the completion of the next scheduled Alky ReVAP turnaround; however, if issues are identified in the design and engineering phase that preclude installation of the automation during the next scheduled Alky ReVAP turnaround, the automation shall be installed no later than completion of the subsequent Alky ReVAP turnaround.
  4. ***Additional Point Source Detectors.*** Ultramar will install additional point source detectors at locations optimized to further facilitate precise, rapid detection and response to any potential release of MHF. This measure is expected to facilitate rapid and accurately targeted activation of the water mitigation and acid dump systems, whether these are activated automatically or manually. Placement, design and installation of the detectors will be done in accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. These additional point source detectors will be installed by the completion of the next scheduled Alky ReVAP turnaround.
  5. ***Acid Settler Debris Grid.*** In order to reduce the potential for a release resulting from penetration of the acid unit settler by a projectile, Ultramar will evaluate and design a debris grid to mitigate impacts to the elevated section of the acid settler. The debris grid placement, design and installation will be done in accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. This debris grid will be designed to prevent the creation of a confined space, to avoid interference with existing HF mitigation systems, to minimize the confinement of flammable vapors, and to continue to provide for free ingress and egress from the unit within the safety and structural limitations of the unit. Within 180 days of the District's acceptance of this proffer, Ultramar shall develop a preliminary engineering design for the debris grid. Absent issues that necessitate delay that are identified at the design phase, the debris



grid will be installed no later than the completion of the next scheduled Alky ReVAP turnaround; however, if issues are identified in the design and engineering phase that preclude installation of the grid during the next scheduled Alky ReVAP turnaround, the grid will be installed no later than completion of the subsequent Alky ReVAP turnaround.

6. ***Acid Settler Riser/Leg Rain Out Barrier/Shroud.*** Ultramar will design, engineer, and install Rain Out Barrier/Shroud systems for the Acid Settler Risers and Legs and the Depropanizer Acid Boots to reduce the momentum of any potential release from these systems and redirect the material downward, thus enhancing rain out and capture by the water mitigation systems. These shroud systems will be similar to that already employed on the Acid Coolers within the unit. Additional barriers or shrouding will be installed on the elevated acid piping that feeds the Settler. This mitigation measure reduces the potential for an offsite release resulting from a compromise to the settler system piping by improving rainout and subsequent capture of any released material by the water mitigation systems. The Rain Out Barrier/Shroud placement, design, and installation will be done in accordance with Ultramar's engineering standards and pursuant to process safety hazard analysis. Preliminary design of the Acid Settler Riser/Leg Rain Out Barrier/Shroud and Depropanizer Acid Boot Rain Out Barrier/Shroud systems will be completed within 180 days of the District's acceptance of this proffer. Absent issues that necessitate delay that are identified at the design and engineering phase, the Acid Settler Riser/Leg Rain Out Barrier/Shroud and Depropanizer Acid Boot Rain Out Barrier/Shroud will be installed no later than the completion of the next scheduled Alky ReVAP turnaround; however, if issues are identified in the design and engineering phase that preclude installation of one or both barrier/shroud systems during the next scheduled Alky ReVAP turnaround, the Acid Settler Riser/Leg Rain Out/Barrier System and/or Depropanizer Acid Boot Rain Out Barrier/Shroud shall be installed no later than completion of the subsequent Alky ReVAP turnaround.

It is important to note that the District and Ultramar already have an existing Memorandum of Understanding from 2003 (Agreement), under which the District agreed to refrain from further regulation of HF. Nothing in this letter from Ultramar, nor the District's acceptance or rejection of this proffer, shall supersede or alter the existing Agreement. However, by accepting this proffer, the District and Ultramar will avoid the potential for litigation arising out of the Agreement.

District, Ultramar and other stakeholders have expended almost three years in considering mitigation measures and alternatives. This has taxed the resources of all those involved and resulted in no viable alternatives beyond enhanced mitigation measures described in this letter. We believe there is limited benefit from continuing on this course. Ultramar has a long history of safely operating the Wilmington HF alkylation unit and has remained in compliance with the Agreement.

The Honorable Larry McCallon  
South Coast Air Quality Management District  
Page 4

We have already installed the best mitigation systems available and continuously work to improve them. Now, we stand ready to facilitate the closure of this process by committing publicly to implement even more safety improvements.

Thank you for your consideration of our proposal.

Sincerely,



Mark Phair  
VP & General Manager  
*Ultramar Inc.*

cc: Richard Walsh, VP & Deputy General Counsel  
Elizabeth Bourbon, Sr. Managing Counsel  
Scott Folwarkow, Executive Director Governmental Affairs

DQCTF "O GGVKPI 'F CVG<"Ugr vgo dgt'8."423; " CI GPFC'P Q0"3: "

TGRQTV<" Ucvkpct { "Uwteg'Ego o kwgg"

U PQRUK<" Vj g'Ucvkpct { "Uwteg'Ego o kwgg"j grf "c"o ggkpi "qp'Hkf c { ." Lwn' "48."423; 0"Vj g'hqmqy kpi 'ku'c"uwo o ct { "qh'yj g'o ggkpi 0""

TGEQO O GPFGF 'CEVKQP <"  
Tgegkxg"cpf 'hkg0'

Lxf kj 'O kej gm'Cevkpi 'Ej ckt"  
Ucvkpct { "Uwteg'Ego o kwgg"

NV-et"

---

### **Committee Members**

Rtgugpv: Ugpcvqt 'Xcpguuc'F gni cf q"\*T gv0"  
Uwr gtxluqt 'Lcpleg'J cj p"\*xkf gqeqphgtgpeg+ "  
O c { qt 'Lxf kj 'O kej gm"\*xkf gqeqphgtgpeg+ "

Cdugpv<" Eqwpeki'O go dgt 'Dgp'Dgpqk'Ej ckt "  
Uwr gtxluqt 'X00 cpwgn'Rgtgl '"  
Uwr gtxluqt 'Lcpleg'Twj gthqtf "

### **Call to Order**

Cevkpi 'Ej ckt'O kej gni'ecmgf 'yj g'o ggkpi "v"qtf gt'cv'32-52"cb 0'

### **INFORMATIONAL ITEMS:**

#### **1. Community Emissions Reduction Plans for AB 617 Year 1 Communities**

Rj kkr 'Hkpg.'F gr wv' 'Gzgewkxg'Qhlegl lRcpplpi . 'Twrg'F gxgmqr o gpv'cpf 'Ctgc  
Uwtegu.'r tqxkf gf 'lptqf wevqt { "eqo o gpv'qp'yj g'ucwv'qh'yj g'Ego o vpkv' 'Go kuukqp  
Tgf wevqp'Rcpv'\*EGTRu+hqt'yj tgg'CD'839'[ gct'3'eqo o vpkv'gu.'cpf 'j ki j rki j vgf  
yj g'uj qt'vko gkpg'cpf 'rcti g'co qwpv'qh'y qtn0

Lq'Mc{'I j quj . 'F k gevqt'qh'Ego o wkv{'Ck'Rtqi tco ulJ gcmj 'Ghgewu'Qhlegu'." r tguqpvf 'kphqto cvkqp"qp"vj g'CD'839[ gct'3"eqo o wkv{'EGTRu0' "

Ugpcvqt'F gri cf q\* Tgv0'cungf 'y j gvj gt'vj g'r tkqtklgu'kf gpvkhgf 'd{' 'vj g'Ego o wkv{' " Uvggtkpi 'Ego o kvgg\*EUE+'y qwf 'dg'f khgtgpv'h'vj g{' 'y gtg'r tkqtkl gf 'd{' 'Uqwj " Eqcu'CS O F 'uchh0' "

Y c{pg'P cutk'Gzgewkxg'Qhlegu'."tgur qpf gf 'vj cv'vj g'EUE'kf gpvkhgf 'vj g'o quv' ko r qtvcpv'uqwtegu'cpf 'uj ctgf 'vj g'uco g'eqpegtpu'cu'Uqwj 'Eqcu'CS O F 'uchh0J g' cnuq'pqvgf 'vj cv'c'Vgej plecn'Cf xkuqt {'I tqwr \*VCI +'y cu'hqto gf 'vq'r tqxkf g'vgej plecn' gzer gt'vug'vj tqwi j qw'vj g'f gxgnr o gpv'qh'vj g'r rnp0F t0I j quj 'cf f gf 'vj cv'c' " r tguqpvkqp"qp"vj g'ucwu'qh'vgej pqmji { 'r tqxkf gf 'cf f kkpncn'kphqto cvkqp'vq'kphqto " vj g'EUEø'r tkqtklgu0' "

F t0Hlpg'pqvgf 'vj cv'vj g'eqo o wkv{' 'r tkqtklgu'cnk pgf 'y gni'y kj 'Uqwj 'Eqcu'CS O F " uchh'kp'o quv'ctgcu0O qdkg'uqwtegu'ctg'vj g'vqr 'r tkqtkl' 'kp'cm'eqo o wkvkgu0O t0' P cutk'cnuq'eqpxg{ gf 'vj cv'gcej 'qh'vj g'eqo o wkvkgu'ctg'f khgtgpv0' ""

Uwr gtxkuqt'J cj p'eqo r rko gpvgf 'uchh'hqt'vj g'y qtn'vj cv'y gpv'kpq'vj g'r rnp."dw' gzer tguvgf 'vj cv'vj g'r rnp'pggf u'eqpetvg'cev'kpu'y kj 's wcpvkhcdng'cti gw'cpf 'o qtg' f gvckn'qp'j qy 'cev'kpu'ctg'vq'dg'ko r ngo gpvgf 0' ""

Ugpcvqt'F gri cf q\* Tgv0'cungf 'cdqw'hwpf kpi 'hqt'cev'kpu'kp'vj g'r rnp0O t0P cutk' " tguqpf gf 'vj cv'vj gtg'ku'ewtgpv'hwpf kpi 'hqt'r tqi tco 'ko r ngo gpvcv'kqp."dw'ugr ctcvg' hwpf u'hqt'go kuukqp'tgf wcv'kpu'vj tqwi j 'lpegpvkxgu'y kn'dg'cmqecvgf 0' "

Uwr gtxkuqt'J cj p'tgs wguvgf 'o qtg'ur gekh'eu'qp'ugxgtcn'cev'kpu'cpf 'O t0P cutk'tgr rkgf " vj cv'o quv'qh'vj g'eqpegtpu'vj cv'vj g'gzr tguvgf 'j cxg'dggp'cf f tguvgf 'kp'vj g'ncvuv' xgtukqp'qh'vj g'EGTR."dw'vj cv'uqo g'cev'kpu'uwi i guvgf 'd{' 'vj g'eqo o wkv{' 'ecppqv'dg' s wcpvkhgf 0F t0Hlpg'go r j cuk gf 'vj cv'uchh'y kn'eqpv'kpwg'vq'y qtn'y kj 'vj g' eqo o wkv{' 'kh'vj g{' 'dgrkxg'vj cv'vj g'i qcu'guvcdn'uj gf 'kp'vj g'EGTR'ctg'pqv'uwh'ekgpv0' ""

O c{qt'O ke j gni'o gpv'kppgf 'vj cv'vj g'r rnp'ku'gxqmkpi 'cpf 'ci tggv'vj cv'vj g'r rnp'pggf u' vq'kpenf g'o gvt'ku'vq'vj g'gzv'gpv'vj cv'vj g{' 'ecp'dg's wcpvkhgf 0Uj g'kps vktgf 'cdqw'vj g' f cvdcug'uchh'ku'wulpi 'hqt'vj g'Cwqo cvgf 'Nlegpug'Rrcvg'Tgcf gt\*'CNRT+'u{ uvg0 0O t0' P cutk'tgur qpf gf 'vj cv'uchh'y kn'wug'vj g'F gr ctwo gpv'qh'O qvqt'Xgj kengu'F O X+'cpf " cp'qww'qh'ucv'gf f cvdcug0' ""

O c{qt'O ke j gni'tgs wguvgf 'vj cv'vj g'EGTR'kpenf g'o qtg'f gvckn.'s wcpvkh{' 'go kuukpu' " cpf 'ur gekh{' 'y j q'y kn'dg'tgur qpukdng'hqt'vj gug'cev'kpu0Uj g'tgs wguvgf 'vj cv'uchh'ugpf " c'kpm'qh'vj g'pgy 'f tch'EGTR'vq'vj g'Ego o kvgg'O go dgtu0Uj g'tgego o gpf gf 'vj cv' eqo o wkv{' 'tgs wguv'hqt'tgf wcv'kpu'uj qwf 'dg'kpenf gf ."gxgp'vj qwi j 'vj g{' 'o c{' 'pqv' dg'cdng'vq'dg'cej kxgf 'pqy 0Cu'cp'gzco r rg.'uj g'uwi i guvgf 'grgetk'etwem'o c{ " dgego g'eqo o gtekm{' 'cxckcdng'd{' '4243= y wu. 'vj ku'uj qwf 'dg'kpenf gf 'kp'vj g'r rnp0' "

O c { qt "O kej gm'f kuewugf "y j g'ej cmgpi gu'qh'guxcdnkuj kpi "t'wemlt'qwguc'cu'cp'cev'kqp"  
cpf "r tqr qugf "o qxkpi "kf r kpi "t'wemu'vq" c "h'ecv'kqp" cy c { "htqo "t'gukf gpw'Uj g "cnuq"  
uwi i guvgf "eqp'v'kpi "vq" y qtmly kj "ECTD0"  
""

O t0P cutk'ucv'gf "y cv'c" r j { u'lec'n'eqr { "qh'y j g'f t'ch'EGTR'y km'dg'r tqxkf gf "vq" gcej "  
Dqctf "O go dgt0"  
""

Lguug'O cts wgl . "Eqcrk'kqp" hqt "c" Uch'g'Gpx'k'qpo gpv. "ucv'gf "y cv'y j g'eqo o w'p'k' { "ku"  
y qtn'kpi "k'p" r ct'p'gtuj k' "vq" c'ej k'x'g'go ku'k'qp "t'gf w'v'k'p'u'0J g "ucv'gf "y cv'cm'ck'f k'ut'k'v'  
qdrki cv'k'p'u'ct'g'q'w'k'p'gf "k'p" C'r r g'p'f k'z "E" k'p" y j g'ECTD'Eqo o w'p'k' { "Ck" R't'q'v'g'v'k'p"  
Dm'gr t'k'p'0J g "g'zr t'guugf "eq'p'eg't'p" y cv'o g'v'k'eu'ct'g'p'q'v'q'w'k'p'gf 0J g "cnuq" c'f f gf "y cv'c"  
j g'cmj "o g'v'k'k' "ku" p'g'eg'uct { "cpf "cv'c" o k'p'k' wo "y j g'N'qu'C'pi g'gu'E'q'w'p'v' { "Eqo o w'p'k' { "  
Cu'gu'uo gp'v'ht' "R'w'd'k' "J g'cmj "Go g'ti g'p'e { "T'g'ur q'p'ug" \*E'C'U'RG'T + "uj q'w'f "dg"  
k'p'eq't'r q't'c'v'gf 0'  
""

M'g'x'k'p" O ci i c { . "U'q'Ec'n' cu. "eqo o gp'v'gf "q'p" y j g'r'ko k'c'v'k'p'u'q'h'g'ng'v'k'k' "t'w'em'0J g"  
g'p'eq'w't'ci gf "u'ch'h'v'q" h'q'ewu'q'p" h'q'pi / t'c'pi g "t'w'em. "cpf "vq" r t'k'q't'k'k' g "t'w'em' "d'cu'gf "q'p"  
c'x'k'k'c'd'ng'v'g'ej p'q'm'i { 0'  
""

U'w'uc'p" U'c't'm" O c't'c'y q'p" R'g't'q'ng'wo . "k'p'f k'ec'v'gf "y cv'p'gy "k'p'h'q't'o cv'k'p" y cu'r tqxkf gf "k'p"  
y j g'rc'v'gu'x'g't'uk'p'q'h'y j g'EGTR'0Uj g "eq'p'h'k't'o gf "y kj "u'ch'h'v'j cv'y j g'eqo o gp'v'r g't'k'q'f "  
em'ugu'q'p" C'w'i w'uv'80"  
"

H'q't'g'p'eg" I j c't'k'd'k'c'p. "F g'n'Co q' C'ev'k'p" Eqo o k'w'gg. "ucv'gf "y cv'y j g't'g'uj q'w'f "dg" o q't'g"  
o'p'q' "t'w'em'k'f k'pi o' "u'ki p'ci g "cpf "y cv't'w'em' "t'ch'h'k' "ku" o c'n'k'pi "y j g't'q'c'f u'y q't'ug'0Uj g"  
t'g'eqo o g'p'f gf "c" h'q'ewu'q'p"v'g'ej p'q'm'i { "vq" t'gf w'eg" r c't'v'k'ew'v'g" o c'w'gt "go ku'k'q'p'u. "cpf "  
eqo o w'p'k' { "j g'cmj "u'w'x'g' { u'0Uj g "c'r r t'g'ek'c'v'gu" y j g'CD'839" r t'q'eg'uu' "cpf "y j g'k'o r t'q'x'gf "  
eqo o w'p'k'c'v'k'p" y kj k'p" y j g'eqo o w'p'k'k'gu'0'  
""

Ej t'ku' "Ej c'x'g'l . "Eqcrk'k'qp" hqt "E'ng'cp" C'k' . "y j c'p'ng'f "u'ch'h' "hqt" y j g't' "j c't'f "y q't'n'0J g"  
go r j c'uk' gf "y j g'p'gg'f "hqt" go ku'k'qp "t'gf w'v'k'p" v'ct'i g'u' "cpf "u'wi i guvgf "y cv'ucv'g" "cpf "  
h'gf g't'c'n'c'v'c'k'p'o gp'v'i q'c'u' "uj q'w'f "dg" o g'0J g "u'ck'f "y cv'k'y q'w'f "dg" j g'r h'w'i h'qt "y j g"  
eqo o w'p'k' { "h'i" j g'cmj "q'w'eqo gu'eq'w'f "dg" cu'gu'ug'f 0J g "c'f f gf "y cv'd'g'uk'f gu'k'p'eg'p'k'x'gu. "  
g'p'h'q't'ego gp'v' "cpf "t'w'gu'uj q'w'f "dg" k'p'en'f gf "k'p" y j g'EGTR'u. "c'm'pi "y kj "c" u't'q'pi "  
O go q't'c'p'f wo "q'h'W'p'f g't'uc'p'f k'pi " \*O Q'W + "hqt" R'q't'v'0'  
""

C'p'c'r'k'uc" X'c't'i cu. "Eqo o w'p'k'k'gu" hqt "c" P'gy "E'c'r'h'q't'p'k'c. "ucv'gf "y cv'y j g'Eq'cej g'm'c"  
X'c'm'g { "ku" t'g'c'f { "vq" dg" e'j q'ug'p" hqt "l g'ct" 40"  
""

N'w'ku'Q'm' gf q. "Eqo k'g' "E'k'k'eq" f g'n'X'c'm'g. "u'w'r r q't'v'gf "O t'0O c't's w'gl æ' "eqo o gp'v' "cpf "  
go r j c'uk' gf "u'w'r r q't'v'k'pi "eqo o w'p'k' { "o go d'gt" r c't'v'k'k'r cv'k'p'0'

**2. Recommend Communities for Year 2 Implementation for Assembly Bill 617**

F t0I j quj "f guetkdgf "vj g'tgeqo o gpf cvkqp'hqt"eqo o wplkku'hqt"l gct "4"CD'839"  
ko r rgo gpvcvkqp0'  
""

O t0Qm gf q'pqvgf "vj cv'vj g'Eqcej gmc "Xcmg{ "uwo kvgf "y q'pqo kpcvkpu"cpf "  
go r j cuk gf "vj gk"eqo o wplk{ "tgc f kpgu0'  
""

Uw gt xkuqt "J cj p"o gpvkqpgf "vj cv'vj g'tgeqo o gpf gf "Rctco qwpv'cpf "lps vkt gf "y j { "kv"  
y cu'pqv'kpenf gf "kp"uclhu'tgeqo o gpf cvkqp0O t0P cuvk'ucvgf "vj cv'Rctco qwpv'y cu"  
vj g'i gpguku'qh'CD'839"cpf "vj cv'Uqwj "Eqcu'CS O F "ku'ukm'cevkxgn{ "gpi ci gf "kp"vj cv"  
eqo o wplk{ 0J g'cnuq'pqvgf "vj cv'cf f kkpncihwpl kpi "y cu'pqv'r tqxkf gf "d{ "vj g"  
rgi kurwtg'hqt"vj g'cf f kkpnci'eqo o wplkku0'  
"

Ugpcvqt "F gri cf q "T gv0"uwr r qtvgf "vj g'tgeqo o gpf cvkpu."dw'cungf "y j { "Eqo o gteg"  
cpf "DgmI ctf gpu'y gtg"ur nk'kpq"vy q"ugr ctcvg"eqo o wplkku0F t0Hlp g'tgur qpf gf "vj cv"  
vj gtg"ku"cdmcepeg'dgy ggp"dglpi "kpenukxg"cpf "vj g'f kwwkp"qh'iko kvgf "tguwtegu'kh"  
eqo o wplkku'ctg"vq"rti g0J g'cnuq'cf f gf "vj cv'Eqo o gteg"y qwf "dg"o quw{ "eqxgtgf "  
dgwy ggp"l gct "3"cpf "4"cpf "vj g'pgk j dqtkpi "eqo o wplkku'y qwf "cnuq'tgegkxg'dgpghku"  
htqo "vj g'ghqtu0'  
""

O c{ qt "O kej gmlpf kcvgf "vj cv'vj gtg'ctg'ewttgpw{ "32"CD'839"l gct "3"eqo o wplkku"  
vj tqwi j qw'vj g'Ucvg."dw'Uqwj "Eqcu'CS O F "j cu'vj g'j ki j guv'pwo dgt"qh"  
eqo o wplkku"\*j tgg+cpf "gcej "qh'vj gug"eqo o wplkku"j cu'dqv "c'Eqo o wplk{ "  
Go kuukpu"Tgf wevkp "Rrcp"cpf "c'Eqo o wplk{ "Ck"O qpkqt kpi "Rrcp0"  
"

**3. Summary of Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations**

Vj g'Eqo o kvgg'f kf "pqv'j cxg'vko g'vq'tgxkgy "vj ku'kgo "cpf "vj gtghqtg'tgeqo o gpf gf "  
vj cv'k'dg'hqty ctf gf "vq"vj g"Dqctf "hqt"eqpukf gtcvkqp0'  
"

**4. Update on Proposed Amended Rules 1110.2 – Emissions from Gaseous-and Liquid-Fueled Engines, and 1100 – Implementation Schedule for NOx Facilities**

Vj ku'kgo "y cu'eqpvkpwgf "vq"vj g'Ugr vgo dgt "42."423; "Ucvkqpct { "Uqwteg"Eqo o kvgg"  
o ggkpi 0'

**5. Receive and File 2018 Annual Report on AB 2588 Program and Approve Updates to Facility Prioritization Procedure**

Vj g'Eqo o kvgg'f kf "pqv'j cxg'vko g'vq'tgxkgy "vj ku'kgo "cpf "vj gtghqtg'tgeqo o gpf gf "  
vj cv'k'dg'hqty ctf gf "vq"vj g"Dqctf "hqt"eqpukf gtcvkqp0'



**6. Status Report on Regulation XIII – New Source Review**

Vj g'Ego o kwgg'f kf "pqvj cxg'vko g'vq'tgxky "vj ku'kgo "cpf "vj gtghqtg'tgego o gpf gf "  
vj cv'k'dg'hqty ctf gf "vq'vj g'Dqctf 'hqt'eqpukf gtcvkqp0'  
"

**WRITTEN REPORTS:**

*The following reports were acknowledged by the Committee.*

**7. Home Rule Advisory Group – Bi-Monthly Report for May 2019**

"

**8. Monthly Update of Staff's Work with U.S. EPA on New Source Review Issues for the RECLAIM Transition**

"

**9. Notice of Violation Penalty Summary**

**10. Twelve-month and Three-month Rolling Price of 2018 and 2019 Compliance Years RTCs**

"

**OTHER MATTERS:**

"

**11. Other Business**

Vj gtg'y cu'pq'qyj gt'dwukpguo0'

"

**12. Public Comment Period**

Vj gtg'y gtg'pq'r wdike'eqo o gpvu0'

"

**13. Next Meeting Date**

Vj g'pgzv'tgi wnt'Ucvkqpct { "Uqwtg'Ego o kwgg'o ggkpi 'ku'uej gf wrgf 'hqt'Hkf c { ."  
Ugr vgo dgt'42."423; 0'

"

**Adjournment**

Vj g'o ggkpi 'y cu'cf lqwtpgf "cv'34-26'r 0b 0'

**Attachments**

30 Cwpgf cpeg'Tgeqtf "

40 J qo g'Twrg'Cf xkuqt { "I tqwr "ó'Dk/O qpvy n{ "Tgr qt v'hqt'O c { "423; "

50 O qpvy n{ "Wf f cvg'qh'Uchhu"Y qtnly kj "WUOGRC"qp'P gy "Uqwtg'Tgxky "

Kuwgu'hqt'vj g'TGENCKO "Vtcpukkqp"

60 Ftch/P qvleg'qh'Xkqrkvqp'Rgpcn{ "Uwo o ct { "

70 Vy grxg/o qpvy "cpf "Vj tgg/o qpvy "Tqmki "Rtleg'qh'423: "cpf "423; "Ego r rkpeg"l gctu"  
TVEu"

## ATTACHMENT 1

### **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMMITTEE**

**Attendance – July 26, 2019**

"

Ugpcvqt "Tg0t"Xcpguuc" F gri cf q (U)Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "

O c { qt "Lwf kj "O kej gm "xkf gqeqphgt gpeg + (U)Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "

Uwr gt xkuqt "Lcpleg" J cj p "xkf gqeqphgt gpeg + (U)Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "

"

Cpf { "Ukrkc (U)Dqctf "Eqpuwncpv "Twj gthqtf +"

"

Vggt { "Cngp (U)ECTD"

Ej tku "Ej cxgl (U)Eqcrkqkp "hqt "Engcp "Ckt "

Hqgt gpeg "I j ctkdkcp (U)F gri Co q "Cevkqp "Eqo o kwgg"

Dkni "NcO ctt (U)Ecrkqtpkc "Uo cmi "Dwulpguu "Cnkcpag"

Lguug "P 00 cts wgl (U)Eqcrkqkp "hqt "c "Uchg "Gpxkqpo gpv"

Dtkf i gv "O eEcpp (U)Y guvtp "Ucvgu "Rgtqrgwo "Cuqekc kqp"

Fcpkgn "O eI kxpg { (U)Uqwj gtp "Ecrkqtpkc "I cu "Eqo r cp { "

Mgxkp "O ci i c { (U)Uqwj gtp "Ecrkqtpkc "I cu "Eqo r cp { "

O cz "Qej qc (U)Eqo kg "Ekxleq "f gri "Xcmg"

Nwku "Qm gf q (U)Eqo kg "Ekxleq "f gri "Xcmg"

Fcxkf "Tqjy dcv (U)Nqu "Cpi grgu "Eqwv { "Ucpkcvkqp "F kxtkew"

Nwte " \ 0Uej o kf v (U)ECTD"

Uwucp "Uctni (U)O ctevj qp "Rgtqrgwo "

Rgvgt "Y j kkp i j co (U)Y j kkp i j co "Rwdrke "Chcktu "Cf xkuqtu"

Vco o { "I co cucnk (U)Uqwj gtp "Ecrkqtpkc "Gf kuqp"

"

Fgttleni "Crevqttg (U)Uqwj "Eqcu'CS O F "uxch"

Dctdctc "Dckf (U)Uqwj "Eqcu'CS O F "uxch"

Co k "F gldcnj uj (U)Uqwj "Eqcu'CS O F "uxch"

O ctkcp "Eqrgo cp (U)Uqwj "Eqcu'CS O F "uxch"

Rj kkr "Hpg (U)Uqwj "Eqcu'CS O F "uxch"

Lq "Mc { "I j quj (U)Uqwj "Eqcu'CS O F "uxch"

Dc { tqp "I krej tkuv (U)Uqwj "Eqcu'CS O F "uxch"

Lcuqp "Nqy (U)Uqwj "Eqcu'CS O F "uxch"

O kng "O qttku (U)Uqwj "Eqcu'CS O F "uxch"

O cw "O k cucvq (U)Uqwj "Eqcu'CS O F "uxch"

Uwucp "P cneo wtc (U)Uqwj "Eqcu'CS O F "uxch"

Fcxkf "Qpq (U)Uqwj "Eqcu'CS O F "uxch"

Y c { pg "P cukt (U)Uqwj "Eqcu'CS O F "uxch"

Uctej "Tggui (U) í í í í í í í í í í í í í í (U)Uqwj "Eqcu'CS O F "uxch"

Nenk "Vkuqr wngu (U)Uqwj "Eqcu'CS O F "uxch"

Lkni "Y j { pqv (U)Uqwj "Eqcu'CS O F "uxch"

Y krkco "Y qpi (U)Uqwj "Eqcu'CS O F "uxch"



# Uqwj 'Eqcuv' Ck 'S wrkv 'O cpci go gpv'F kntkev'

43: 87'Eqr rg{ 'F tkxg. 'F lco qpf 'Det. 'EC'; 3987/63: 4"  
\*, 2; +5; 8/4222"•'y y y Œso f Œ qx

## HOME RULE ADVISORY GROUP

Wednesday, May 8, 2019

## MEETING MINUTES

### MEMBERS PRESENT:

O cte" Ecttgn" \*Dtgcj g" Ecrkhtpke" qh" Nqu" Cpi grgu" Eqwpv{ += "O knq" Ecttqm" \*Tgi wrvqt { " Hgzdkrkv{ "  
I tqwr += Ewtv' Eqrgo cp" \*Uqwj gtp' Ecrkhtpke" Ck 'S wrkv{ " Cnkpeg += Ectm' F g' Nc' Etw' " \*Ugttc' Enxd +=  
O ctvp" J cpudgti gt" \*J qnkf c{ " Tqem' Ego r cp{ += " Dkm' NcO ctt" \*Ecrkhtpke" Uo cni' Dwukpguu" Cnkpeg +=  
Dtkf i gv' O eEcpp" \*Y guvgt' Ucvgu' Rgtqrgwo " Cuqekvqp += F cp' O eI kxpg{ " \*Uqwj gtp' Ecrkhtpke" I cu +=  
Ct v' O qpvg{ " \*CO C" kpgtpevkqpcn += F cxf " Tqj dcv" \*Nqu" Cpi grgu" Eqwpv{ " Ucpkcvqp " F kntkev += cpf "  
V{ Tqp " Vwtpgt " \*F cnqv' Ego o wplecvqp uŒ'  
Vj g' hmqy kpi " o go dgtu" r ctvlekr cvgf " d{ " eqphgtgpeg" ecm< " Dtkp" Engtleq " \*ECTD += Nctt { " Twldq "  
\*Tkxgtuf g' Vtcpu' Ci gpe { += cpf " Lcpv' Y j kven' \*Ecrkhtpke" Eqwpeki' hqt " Gpxkqpo gpvni' ( " Geqpqo ke "  
Dcrpeg Œ'

### MEMBERS ABSENT:

Dgp " Dgpqk: " Xleg " Ej ck " \*Uqwj " Eqcuv' CS O F " I qxgtlpi " Dqctf " O go dgt += " O lej cgn' F qy pu " \*F qy pu "  
Gpgti { += Lcen' p' Hgrkrc " Ck 'S wrkv{ " Eqpuwncpw += Tqpi uj gpi " Nwq " \*UECI += cpf " Co { " \ ko r hgt " \*GRC Œ'

### OTHER ATTENDEES:

F tŒF cxf " Gf y ctf u " \*ECTD += cpf " Tkrc " Nqgh " \*Tcf Vgej Œ'  
Vj g' hmqy kpi " cwgpf gg' r ctvlekr cvgf " d{ " eqphgtgpeg" ecm< " Lqj p " Wpi xctum { " \*GRC Œ'

### SOUTH COAST AQMD STAFF:

Lceqd " Cngp " \*Ugplqt " Cf o kpkntcvkxg " Ugetgvct { += " O ctm' Dcuugw " \*Ck " S wrkv{ " Ur gekcrkv += " Rj kkr " Hpg "  
\*F gr wv{ " Gz gewkxg " Qhleg += F gpkug' I clrg { " \*Rwdne " Chcktu " O cpci gt += " Lkm' Y j { pqv " Ej kgh' Qr gtcvpi " "  
Qhleg += cpf " Y krlco " Y qpi " \*Rtlpekr cn' F gr wv{ " F kntkev' Eqwpugn Œ'

### OPENING COMMENTS AND SELF-INTRODUCTIONS

Dgp " Dgpqk: " Xleg " Ej ck " y cu' pqv' cxckrdrg. " uq " yj g' o ggkpi " y cu' ecmgf " vq " qtf gt " cv32-22 " cŒ Œ cpf " rgf " d { "  
F tŒRj kkr " Hpg Œ'

### APPROVAL OF JULY 2018 MEETING MINUTES

F tŒHpg " cunf " hqt " eqo o gpw' qp " yj g' Lcpwct { " ; .423; " o ggkpi " o kpwgu Œ " Dkm' Nc " O ctt " tgs wguvgf "  
cf f kkpncn' erktv{ " qp " yj g' Twgu 43; " cpf " 444 " f kuewukqp " cv' yj g' dqwqo " qh' r ci g' y qŒ " F cxf " Gf y ctf u "  
erctkhef " yj cv' yj g' tgi wrvqp " ku' hqt " r gto kwgf " uqtegu' qpn { " cpf " tgo qxg' tgi kngtgf " uqtegu Œ " Dtkf i gv "  
O eEcpp " eqo o gpvgf " qp " r quukdrg " ej cpi gu' vq " j gt " eqo o gpw' qp " r ci g' gki j v. " cpf " c' hmqy / wr " go cni "  
y qwf " dg' ugpv' vq " F tŒHpg Œ " Y kj " yj gug' ej cpi gu. " yj g' o kpwgu' y gtg " cr r tqxgf Œ'

### EPA AND FEDERAL ACTIVITIES

Lqj p " Wpi xctum { " r tqxkf gf " wr f cvgu' qp " tgegpv' WUO Gpxkqpo gpvni' Rtqgevkqp " Ci gpe { " \*GRC += cpf "  
hgf gtcni' cevkkkgu Œ'

- F kgugn'Go kuukqpu'Tgf wevkqp'Cev\*F GTC+'wr f cvg.'y kj 'y g'cpvlekr cvkqp'qh'cy ctf gf 'hwpf u'lp''  
uwo o gt'qt'gctn{ 'hcm'423; 0'
- Vcti gvgf 'Ck'Uj gf 'Rtqi tco 0'
- Uchgt 'Chhgtf cdng'Hwgn'Ghhekp v\*'UCHG+'twg0'
- Engcpgt 'Vtwem'Kpkkc v'xg0'
- P qvleg'qh'Rtqr qugf 'Twgo cnkpi 'qp'yj g'Uqwj 'Eqcu'CS O F '4238'CS O R'Q| qpq'Rrcp0'

### Discussion

Ctv'O qpvg| 'cungf 'cdqww'yj g'cxckrdkrlv 'qh'yj g'&32O 'y tqwi j 'F GTC'cpf 'y g'ko gnrpg0'O t0'  
Wpi xctum| 'lpf lecvgf 'y cv'yj gug'hwpf u'ctg'ctgcf { 'cmqecvgf 'y tqwi j 'i tcpw'cpf 'y g'cr r rlec v'kqp''  
y kpf qy 'j cu'emugf 'hqt'yj ku' { gct0'O t0O qpvg| 'hwt yj gt'kps vkt gf 'kh'yj gtg'ctg'qyj gt'hwpf u'cxckrdng'cv'  
yj g'mqecn'gxgn'hqt'uej qqnu'qt'qyj gt'gpvklgu0'O t0Wpi xctum| 'cpf 'F t0Hlp'g'lpf lecvgf 'y cv'yj g{ 'eqwrf ''  
r tqxkf g'lphto cvkqp'qp'r quukdng'hwwt g'hwpf lpi 'qr r qtwpklgu'cpf 'c'eqpcev'r gtuqp'cv'yj g'Uqwj ''  
Eqcu'CS O F 'cpf 'qyj gt'hwpf lpi 'r tqi tco u'cv'GRC0'

### CARB REGULATORY ACTIVITIES''

Dtkp'Ergtleq'r tqxkf gf 'wr f cvgu'qp'r tqr qugf 'cpf 'tgegpv'tgi wrvqt { 'cev'xklgu0'

- Rtqr qugf 'co gpf o gpw'u'q'yj g'Uwi i guvgf 'Eqpvtqn'O gcwttgu'hqt'Ctej kgewtcl'Eqc v'kpi 0'
- Rtqr qugf 'Eqo o wplv{ 'Ck'Rtqvgv'kqp'Kpegp'v'xg'Hwpf u'I v'kf gnrpgu0'
- Rtqr qugf 'cngtpcv'xg'egt v'klec v'kqp'tgs vkt go gpw'hqt'| gtq'go kuukqp'r qy gt'tckpu0'
- Tgi wrv'kqp'r tqr qugf 'hqt'| gtq'go kuukqp'ckr qtv'uj wwg'dwugu0'
- Xcr qt'tgeqxtg{ 'egt v'klec v'kqp'hqt'cdq'xg'i tqwpf 'uqtci g'vcpnu0'

### Discussion

O cte'Ecttgn'kps vkt gf 'cdqww'CD'839'eqo o wplv{ 'ck'i tcpw'hqt'I gct'4.'cpf 'y j gp'r tqr qucu'ecp'dg''  
uwo kwgf 0'F t0Hlp'g'tgur qp'gf 'y cv'ECTD'ku'y qtnkpi 'qp'yj g'uqrlekcvkqp'pqy 'cpf 'uj qwrf 'dg'qw'lp''  
cdqww'c'o qpjv 0''

Ectm'F g'Nc'Etw| 'kps vkt gf 'cdqww'yj g'r qvgp'v'cln'q'xgtmr 'htqo 'c'tgi wrv'kqp'qp'| gtq'go kuukqp'ckr qtv'  
uj wwg'u'cpf 'y g'Uqwj 'Eqcu'CS O F u'lpf k'ge'v'uqwt eg'twgy kj 'ckr qtvu'cpf 'y g'ko r cev''  
g'zr gev'v'kpu0'O t0Ergtleq'lpf lecvgf 'y cv'yj ku'lphto cvkqp'eqwrf 'dg'r tqxkf gf 0'

*Provided by Zorik Pirveysian, South Coast AQMD - New purchases of shuttles buses operating at airports are currently subject to South Coast AQMD Rule 1194, which requires alternative fueled vehicles. CARB's Zero-emission (ZE) Airport Shuttle Buses regulation, establishes requirements for ZE conversion starting with 33% in 2027 ramping up to 100% in 2035. South Coast AQMD is also currently in the process of developing an MOU with the commercial airports in the Basin. The focus of the MOU is achieving emission reductions above and beyond existing regulations. These regulations and programs are mainly complementary to each other.*

### LEGISLATIVE UPDATE''

F gplug'I ckg{ 'tgr qtvgf 'qp'ng{ 'ngi kur'v'xg'wr f cvgu0'

Cv'yj g'O c{ '5.'423; 'I qxgtplpi 'Dqctf 'o gg'v'kpi . 'y g'I qxgtplpi 'Dqctf 'v'qnm'r quklkqp'qp'yj g'hqmy lpi ''  
dkm'<''

- **Support for AB 836 (Wicks)**'v'guvcdriuj 'c'ucvgy kf g'r tqi tco 'y cv'y qwrf 'kf gp'v'kh{ 'xgp'v'k'v'kqp''  
ur cegu'tghgttgf 'v'cu'oe'rgcp'ck't'egpvtu'o'o'r vdrle'egpvtu'yj cv'y qwrf 'dg'ceegu'ldng'v'q'yj g'r vdrle''  
f v'kpi 'y kf hkt gu'cpf 'qyj gt'uo qng'gxgpv'0'Vj g'dkn'ic'ri pu'y kj 'qwt'i qcu'qh'r tqvgv'kpi 'r vdrle''  
j gcnj 'cpf 'd'v'k'f u'wr qp'r t'gxk'qwu'y qtn'ikng'yj g'KS Ck'Rtqi tco 'y j lej 'kpukwwgf 'c'pwo dgt'qh'erget''  
ck't'hm'cv'kqp'u{ ugo u'hqt'uej qqnu0'

- **Support with Amendments for AB 1500 (Carillo)** y j lej "y qwf "gxr gpf "y g"cwj qtkv "qh" c" EWRC "qt"mecnj gcnj "qh"leg "v"qo r qtctkn "uwr gpf "y g"r gto k'cpf "uj wf qy p" c" hceknv "y cv" r qugu"cp"ko o kpgpv"qt "uwrucpvkn" gpf cpi gto gpv"vq"r wdrle"j gcnj "cpf "uchgv"0"Vj g"tgeqo o gpf gf " co gpf o gpv"qh"öpqv"t gultekvpi "qt"iko k'lp"cp "y c "y g"cwj qtkv "qh"cp"ck "f kurtlevö"y kn'gpuwt g" mecnleqqtf kpcvqp0
- **Support with Amendments for SB 44 (Skinner)** y j lej "y qwf "tgs vkt g"ECTD"vq" f gxgnr "c" utcvgi { "hqt"y j g" f gr m { o gpv"qh'o gf kwo "cpf "j gcx { /f wv { "xgj kengu" hqt "y g"r wtr qug"qh'dt kpi kpi "y j g" uvcv"lpvq"eqo r rkepeg"y kj "hgf gtcn'ck"s wcnv "ucpf ctf u'cpf "tgf weg"i tggpj quug"i cu"go kuukqpu" go kuukqp"d { "62" "d { "4252."cpf ": 2" "d { "42720"
- **Support on SB 633 (Stern)** y j lej "y qwf tgs vkt g"QGI J C"lp"eqqtf kpcvqp"y kj "qy gtu"vq" f gxgnr "cpf "ko r ngo gpv"o qpkkqtkpi "r tqi tco "vq"eqmgev" f cv"qp"eqpco kpcv"htqo "y j g"Ucpvc" Uuucpc" Hgrf "Ncdqtcvt { "lp"Xgpwte"Eqwpv"0"Uchh'y kn'y qtnly kj "cwj qta"qh"leg"vq"cf f "Uqwj " Eqcu"CS O F "cu"e"eqpuwnkpi "gpvkv" . f wg"vq"y j g"r qvgpvkn"ht "w y kpf "ck"ko r ceu"vq"y j g"Dcu"p0
- **Support on S 747 (Carper)** vq"tgcwj qtk g"y j g" F kgug"Go kuukqpu" Tgf vevkp"Rtqi tco "hqt"hxg" { gctu. "wpvki4246."cv"e"ngxgn"qh"8322"o knkqp0"Vj g"dkn'y qwf "cnuq"t gcmqecv"wpwugf "ucv"hwf u"vq" y j g"P cvkpcnEqo r gvkxg" F GTC"i tcvr tqi tco 0

Wf cvg"qp"UD'954" Cmgp+ "

Chgt "tgegkxpi "hggf dcmhtqo "ucngj qrf gtu."Uqwj "Eqcu"CS O F "cungf "Ugpcvt "Dgp" Cmgp. "y j g" cwj qt "qh"UD'954."vq"r wnvj g"rgi kurvqp"vq"uqr "y j g"dkn'htqo "cf xcpekpi "vq"ku"eqo o kvgg"j gctkpi 0" Uqwj "Eqcu"CS O F v'lpvkv"lp"r wnkpi "y j g"rgi kurvqp."y cu"vq"eqpvkpwg"vq"gf wcv"cpf "cf f tgu" eqpegtpu"gzr tguugf "d { "c"rti g"pwo dgt "qh"ucngj qrf gtu0" F gur kv"Uqwj "Eqcu"CS O F v'tgs wguv"lp" c" rgwgt "f cvg" "Cr tki42."423; . "Ugpcvt "Cmgp"eqo o wplecvf "y cvj ku'lpvkv"y cu"vq"eqpvkpwg"vq"cf xcpeg" y j g"rgi kurvqp0

Uqwj "Eqcu"CS O F "Gzgewkxg"Qhleg"Y c { pg"P cutk'vukhgf "lp"uwr r qtv"qh"y j g"rgi kurvqp"cv"y j g" Cr tki46."423; "Ugpcv" I qxgtcpeg"cpf "Hpcpeg"eqo o kvgg"j gctkpi 0"Vj g"dkn'r cuugf "qp" c"6/5"xqvg0

Date	Result	Location	Ayes	Noes	NVR	Motion
04/24/19	(PASS)	Sen Governance and Finance	4	3	0	Do pass as amended, but first amend, and re-refer to the Committee on [Appropriations]
Ayes: Beall, Hertzberg, McGuire, Wiener						
Noes: Hurtado, Moorlach, Nielsen						
No Votes Recorded:						

Qp"O c { "8."cv"y j g"tgs wguv"qh"y j g"Uqwj "Eqcu"CS O F "Dqctf ."uchh'uwo kvgf "qxgtuki j vncpi wci g"vq" y j g"cwj qta"qh"leg0"Uchh"cnuq"uwo kvgf "vgej plectico gpf o gpv"ht"y j g"cwj qta"eqpukf gtcvqp0"Vj g" dkn'y kn'dg"j gctf "d { "y j g"Ugpcv"Cr r tqr tkvqpu"Eqo o kvgg"qp"O qpf c { ."O c { "35."423; 0

### Discussion

CtvO qpvg "cungf "hqt"enctk'ecvqp"qp"y j lej "dkn'y qwf "r tqxkf g"hwf kpi "hqt"engcp"ck "lpkkv"kgu"cpf " ur gekheu"cdqw"y j g" F GTC"r tqi tco 0"O uOI ckx { "tgr qpf gf "y cvdqy "UD'66"cpf "U969"r tqxkf g" hwf kpi "hqt"y j g"v"r gu"qh"r tqi tco u0"O t0O qpvg "hwtj gt"lps vkt gf "cdqw"y j lej "ci gpe { "f kur gtugu"y j g" o qpg { "cpf "j qy "o wej "qh"y j ku'o qpg { "ku"cmqecv"0"O uOI ckx { "tgr qpf gf "y cv"ECTD"ku"tgr qpukdg" hqt" f kur gtukpi "y j g"o qpg { 0

### UPDATE REGARDING LITIGATION ITEMS AND RELATED EPA ACTIONS

Y knko "Y qpi "j cf "pq"wf cvgu"qp"y j g"r tqxkf gf "Cr tki48."423; "ucwu"tgr qt v0

## CARB'S REGULATION FOR THE REPORTING OF CRITERIA AIR POLLUTANTS AND TOXIC AIR CONTAMINANTS

F t0F c x g 'Gf y c t f u . 'C u u k u c p v 'F k k u k a p 'E j k g h 'c v 'E C T D . 'r t q x k f g f 'c 'r t g u g p v c k a p 'q p 'y j g 'r t g x k q u u 'c p f " q p i q k p i 'y q t n i k p 'f g x g n r k p i 'y j g 'E t k g t k 'C k 'R q m w c p v 'c p f 'V q z k e 'C k 'E q p w c o k p c p v 'G o k u k a p u " T g r q t v k p i 'T g i w r c k a p 'q t 'E V T 'T g i w r c k a p +0'

Q p 'O c { '35 . 'E C T D 't g r c u g f 'y j g 'P q v k e g 'q h 'O q f k h k f 'V g z v . 'y j k e j 'k p e n w f g u 'c m i 'q h 'y j g 'r t q r q u g f " w r f c v g u 'q 'y j g 't g i w r c k a p . 'c u 'y g m i 'c u 'f g u e t k r v k p u 'q h 'y j { 'y j g 'e j c p i g u 'y g t g 'l p e q t r q t c v g f . 'c p f 'q y j g t " u w r r q t v k p i 'l p h q t o c v k a p 0 'V j g 't g i w r c k a p 'w r f c v g 'e c p 'd g 'c e e g u u g f 'x k c 'y j g 'E C T D 'j q o g 'r c i g 'c v ' [j w r u l l y y 40 t d e c 0 q x l q w / y q t n i r t q i t c o u l e t k g t k c / c p f / v q z k e u / t g r q t v k p i](#) 0 E q o o g p w i 't g i c t f k p i 'y j g " e w t t g p v 'w r f c v g u 'o w u v 'd g 'u w d o k v g f 'd { 'L x p g '9 . '423 ; 0 'C 'u g e q p f 'e q o o g p v r g t k q f 'y k n i i k n g n 'd g " l p k k c v g f 'f w t k p i 'y j g 'u w o o g t . 'y k j 'y j g 'l p v g p v k a p 'q h 'e q o r n g v k p i 'y j g 'h w n i 't g i w r c k a p 'r c e n c i g 'c p f 'j c x k p i " k 'd g 'g h g e v k x g 'd { 'L c p w c t { '42420'

### Discussion

D k m i N c O c t t 't g s w g u g f 'e m t k h e c v k a p 'q p 'y j g 'e q o o g p v r g t k q f 'g z v g p u k a p 0 'F t 0 G f y c t f u 'l p f l e c v g f 'y j c v 'k ' y k n i d g 'h q t '47 'f c { u . 'g x g p 'y j q w i j 'k 'k u i 't g h g t g f 'q 'c u 'c '37 / f c { 'e q o o g p v r g t k q f 0'

F c x k f 'T q y j d c t v 'g z r t g u u g f 'e q p e g t p 'c d q w 'y j g 't g r q t v k p i 'q h 'g o k u k a p 'h c e v q t u 0 'F t 0 G f y c t f u 't g u r q p f g f " y j c v 'y j g { 'w u g 'y j g 'o c r r k p i 'q q n i r n c v h q t o 'c p f 'k h l p e q p u k u g p v f c v 'k u i 't g e g k x g f 'y j g { 'y q w f 'y q t n i y k j " y j g 'f k u t l e v u 'q 'e q p h t o 'y j g 'f c v . 'c u 'q 'p q v 'q 'o k u p h q t o 'y j g 'r w d r k e 0'

F c p 'O e l k x p g { 'g z r t g u u g f 'y j c v 'E C T D 'u j q w f 'j c x g 'w u g f 'y j g 'o g y q f 'e q p u k u g p e { 'r c t v i k t u v 'c p f " n q n g f 'c v j q y 'y j g 'c k 'f k u t l e v 'g o k u k a p u 'h c e v q t u 'c t g 'e c r e w r c v g f 0 'J g 'c n u q 'u c v g f 'y j c v 'f g h c w n 'x c m u g u 'c t g " j k u q t k e c m { 'e q p u g t x c v k x g . 'y j k e j 'y k n i h g c f 'q 'l p e q p u k u g p v f c v 'c p f 'w p p g e g u a c t { 'r w d r k e 'e q p e g t p 0 " L c p g v 'Y j k u k e n i e q o o g p v g f 'y j c v 'k 'u g g o u 'h k n g 'y j g 'r t q d r g o u 'q h 'y j g 'r c u v 'c t g 'd g k p i 't g r g c v g f 'c p f 'y j c v ' f k u t l e v u 'y k n i j c x g 'y j g 'h g z k d k k v { 'q 'f g x g n r 'y j g k 'q y p 'o g y q f u . 'y j k e j 'y k n i h g c f 'q 'l p e q p u k u g p e k u 0 " F t 0 G f y c t f u 't g u r q p f g f 'y j c v 'c 'u r g e k h e 'o g y q f 'y q w f 'p q v 'd g 'g p h q t e g f . 'd w 'y j g t g 'y k n i d g 'd q w p f u 'q p " y j g 'o g y q f u 'c p f 'g o k u k a p 'h c e v q t u 'y j c v 'c t g 'w u g f 0 'F t 0 H k p g 't g u r q p f g f 'y j c v 'y j g t g 'y k n i u k n i d g 'x c t k d k k v { " k p 'y j g 't g r q t v k p i . 'c p f 'y j g 'i q c n i k u 'q 'w r f c v g 'q w f c v g f 'g o k u k a p 'h c e v q t u 'k p 'c 'k o g n { 'o c p p g t 0'

D k m i N c 'O c t t 'g z r t g u u g f 'e q p e g t p 'c d q w 'y j g 't g i w r c k a p . 'y j g 't g r q t v k p i 'c p f 'y j g 't g r c v g f 'e q u u 'h q t 'u o c m i ' d w u l p g u u g u 0 'J g 'l p f l e c v g f 'y j c v 'u o c m i 'd w u l p g u u g u 'e q w f 'd g 'h c e g f 'y k j 'y j g 'q r v k p u 'q 'l p x g u v 'k p 'v g u k p i . " d w u l p g u u 't g m e c v k a p 'q t 'u j w f q y p 0 'J g 'e q o o g p v g f 'y j g t g 'u j q w f 'd g 'f g 'o k p k o k u i 'h x g n u . 'r c t v l e w r c n { 'h q t " u o c m g t 'u q w t e g u . 'c p f 'l p f l e c v g f 'y j c v 'y j g 'h q e w u 'u j q w f 'd g 'q p 'o q d k n g 'u q w t e g u 0 'J g 'c n u q 'g z r t g u u g f " e q p e g t p 'y j c v 'E C T D 'y k n i g u c d r k u j 'c 'h g g 'u k o k r c t 'q 'y j g 'U q w j 'E q c u v 'C S O F 'v q z k e 'h g g 0 'F t 0 G f y c t f u " l p f l e c v g f 'y j c v 'y j g { 'c t g 'h q n k p i 'h q t 'u c v g y k f g 'y c { 'u 'q 'h x g t c i g 'y j g 'f c v 'c p f 't g f w e g 'y j g 'k o r c e w 'q p " u o c m i 'd w u l p g u u g u 0'

C t v 'O q p v g l 'e q o o g p v g f 'y j c v 'y j g 'o c l q t k v { 'q h 'y j g 'e q o o w p k k g u 'k o r c e v g f 'c t g 'e q o o w p k k g u 'q h 'e q m t 0 " J g 'l p s w k t g f 'h 'E C T D 'j c f 't g c e j g f 'q w 'v q 'y j g u g 'e q o o w p k k g u . 'c p f 'c m g f 'y k j 'u o c m i 'd w u l p g u u 'q y p g t u " q p 'y j g 'h p c p e k n i 'd w t f g p 0 'J g 'l p f l e c v g f 'y j c v 'y j g 'd w t f g p 'u j q w f 'd g 't g o q x g f 'h t q o 'y j g 'u o c m i 'd w u l p g u u " q y p g t u 'c p f 'g o r j c u k f g f 'y j g 'p g g f 'q 'd c r p e g 'c k 's w r k v { . 'd w u l p g u u 'c p f 'v q z k e u 'k u u g u 0 'F t 0 G f y c t f u " g z r t g u u g f 'y j c v 'y j g { 'e q p u w n g f 'y k j 'o c p { 'u o c m i 'd w u l p g u u 'q y p g t u . 'c p f 'y j g 'h g g f d c e n i t g h g e v g f 'y j c v 'y j g " v c e n k p i 'y q w f 'p q v 'd g 'd w t f g p u q o g 0 'J g 'h w t v g t 'l p f l e c v g f 'y j c v 'y j g { 'r n c p 'q 'g u a c d r k u j 'c p 'g h g e v k x g 'c p f " l p h q t o c v k x g 't k u m i c p n { u k u . 'y j k e j 'y k n i k f g p v k h { 'k f g c n i 'c t g c u 'y j g t g 't k u m i t g f w e v k p u 'q t 'r t q i t c o u 'y q w f " d g 'o q u v 'g h g e v k x g 0'

D t k f i g v 'O e E c p p 'e q o o g p v g f 'q p 'y j g 'p g g f 'h q t 't c p u r c t g p e { 'c p f 'c e e w t c e { . 'c p f 'g z r t g u u g f 'u w r r q t v 'h q t " y j g 't g r q t v k p i 't g i w r c k a p 0'

F c x k f " T q j d c t v l p s w k t g f " h ' j g t g " j c x g " d g g p " f k u e w u k q p u " q p " j q y " o w e j " j g " v g u k p i " y k n i e q u w " c p f " g h h e k g p e { " O " C o d l g p v o q p k q t k p i " u j q w f " i q " d g h q t g " c " t g r q t v k p i " r t q i t c o " O " F t O G f y c t f u " t g u r q p f g f " j v c v " w p f g t u c p f k p i " u q w t e g u " c p f " g o k u k q p " v { r g u " y k n i c m q y " j g o " v q " u t c v g i k e c m { " r n e g " c k " o q p k q t u " v q " k f g p v k h { " c o d l g p v " e q p e g p t c v k p u " } " "

L c p g v " Y j k w e n i e q o o g p y g f " j v c v " j g " o c r r k p i " v q q n i y k n i d g " x g t { " k o r q t v c p v " c p f " l p s w k t g f " h ' j g t g " y c u " e q p u k f g t c v k p p " h q t " c " h q e w u " i t q w r " q h " f k h g t g p v v { r g u " q h " w u g t u " } F t O G f y c t f u " l p f k e c v g f " j v c v " j g " 4 2 3 9 " f c v c " c p f " o q d k g " g o k u k q p u " y k n i d g " c f f g f " v q " j g " o c r r k p i " v q q n " c p f " q v j g t " u q w t e g u " y k n i c m q " d g " e q p u k f g t g f " O " J g " c f f g f " j v c v " d g h q t g " c p { " i c t i g " e j c p i g u " c t g " o c f g " j g t g " y k n i d g " f k u e w u k q p u " c p f " c " h q e w u " i t q w r " k u " c " i q q f " u w i i g u k q p " h q t " j g " g x c n w c v k p p " q h " f c v c " } " "

## SUBCOMMITTEE STATUS REPORTS

### A. *Freight Sustainability (Dan McGivney)*

P q " t g r q t v " y c u " r t q x k f g f " O "

### B. *Small Business Considerations (Bill LaMarr)*

P q " t g r q t v " y c u " r t q x k f g f " O "

### C. *Environmental Justice and AB 617 Implementation (Curt Coleman)*

C p " w r f c v g " y c u " r t q x k f g f " q p " j g " h q m q y k p i " k s g o u " }

- Y k o k p i v a p I E c t u a p I Y g u v " N q p i " D g c e j " C D " 8 3 9 " E q o o w p k v { " U g g t k p i " E q o o k w g g " o g g v k p i . " O c { " ; . " 4 2 3 ; " } "
- U c p " D g t p c t f k p q I O w e e q { " C D " 8 3 9 " E q o o w p k v { " U g g t k p i " E q o o k w g g " o g g v k p i . " O c { " 3 8 . " 4 2 3 ; " } "
- D q { n g " J g k i j w l G c u v " N q u " C p i g r u g I Y g u v " E q o o g t e g " C D " 8 3 9 " E q o o w p k v { " U g g t k p i " E q o o k w g g " o g g v k p i . " O c { " 4 5 . " 4 2 3 ; " } "
- F t c h v " E q o o w p k v { " C k " " O q p k q t k p i " R n c p u " j c x g " d g g p " r t g r c t g f " h q t " g c e j " q h " j g " e q o o w p k k g u . " c p f " c t g " r q u v g f " q p " j g " U q w j " E q c u v " C S O F " y g d u k g " O " E q o o g p w " c t g " e w t t g p v n { " d g k p i " c e e g r v g f " O " }
- [ g c t / 4 " e q o o w p k v { " k f g p v k h e c v k p p " o g g v k p i u " c t g " d g k p i " j g r f " k p " j g " h q m q y k p i " e q o o w p k k g u " }
  - D w g p c " R c t n i " / " O c { " 4 4 . " 4 2 3 ; " }
  - E q n q p " / " O c { " 4 ; . " 4 2 3 ; " }

### D. *Climate Change (David Rothbart)*

C p " w r f c v g " y c u " r t q x k f g f " q p " j g " h q m q y k p i " k s g o u " }

- Q p " C r t k i 3 : . " 4 2 3 ; . " E C T D " t g r g c u g f " c " Y j k g " R c r g t " q p " j g " V g e j p l e c n i " H g c u k d k k v { " q h " N q y g t " P Q z " U c p f c t f u " c p f " C u u q e k c v g f " V g u v R t q e g f w t g u " h q t " 4 2 4 4 " c p f " U w d u g s w g p v " O q f g n l g c t " h q t " J g c x { / F w { " c p f " J g c x { / F w { " G p i k p g u " } " }

## REPORT TO AND FROM THE STATIONARY SOURCE COMMITTEE

F t O R j k k r " H l p g " r t q x k f g f " c " u w o o c t { " q h " k s g o u " q p " j g " C r t k i c p f " O c { " 4 2 3 ; " o g g v k p i " c i g p f c u " }

- T w r g u " 3 3 : 2 " c p f " 3 6 2 5 = "
- W r f c v g u " v q " T g i w r c v k p p " K Z " c p f " Z = " c p f " "
- T G E N C K O " S w c t v g t n { " T g r q t v " }

## OTHER BUSINESS

C t v " O q p v g l " t g s w g u v g f " c p " w r f c v g " q p " j g " u c r g u " t g r c v g f " v q " j g " E C T D " E c r / c p f / V t c f g " R t q i t c o " O " F t O " H l p g " c p f " O t O E q n g o c p " g z r n c l p g f " j v c v " j g " r t q e g u u " k u " f k h g t g p v " g x g t { " { g c t " c p f " f g v g t o k p g f " d { " r g i k u r c v k p p " } " "

*Dr. Fine indicated that the legislators should have made their determinations by the next Home Rule Advisory Group Meeting and an update can be provided.*

Dkn'NcO ctt'kps wktgf 'kh'rgi kurcvkqp'dkml'cwj qtu'eqwrf 'dg'kpxkgf 'vq'Cf xkuqt { 'I tqwr 'o ggkpi u0'F t0Hkpg"  
kpf kcvvgf 'vj cv'vj ku'ku'uqo gj kpi 'vq'eqpukf gt0'  
"

## **PUBLIC COMMENT**

Vj gtg'y gtg'pq'eqo o gpvu0'  
"

## **ADJOURNMENT**

Vj g'o ggkpi 'y cu'cf lqwtpgf "cv'33<24"co 0"Vj g'pgzv'o ggkpi "qh'yj g'J qo g'Twrg'Cf xkuqt { 'I tqwr 'ku"  
uej gf wrgf 'hqt'32<22"co 0qp'Lwn{ '32.'423; . "cpf 'y km'dg'j gnf "cv'UECS O F 'kp'Eqphgtgpeg'Tqqo 'EE/  
: 0'



**South Coast Air Quality Management District  
HOME RULE ADVISORY GROUP – Attendance Record – 2019**

	(Term: 1/1/19 - 1/1/21)	1/9	FEB	3/13	APR	5/8	JUN	7/10	AUG	9/11	OCT	11/13	DEC
	Board/Member, Business & Community Reps, SCAQMD Staff												
1	Dr. Joseph Lyou, Chair	X	dark	X	dark		dark		dark		dark		dark
2	Council Member Ben Benoit, Vice Chair	A		A		A							
3	Dr. Clark E. Parker, Sr., Governing Board Member	A		A									
4	Dr. Philip Fine (Agency Member) - SCAQMD	X		X		X							
5	Zimpfer, Amy (Agency Member) - EPA <i>Representing Elizabeth Adams</i>	A		T		T*							
6	Clerico, Brian (Agency Member) - CARB <i>Representing Richard Corey</i>	T		T		T							
7	Chang, Ping (Agency Member) - SCAG <i>Alternate – Rongsheng Luo</i>	T*		X*		A*							
8	Carrel, Marc (Environmental Representative)	T		X		X							
9	Carroll, Mike (Business Representative) <i>Alternate – Robert Wyman</i>	A		A		X							
10	Coleman, Curtis (Business Representative) <i>Alternate – Susan Stark</i>	X		X		X							
11	De La Cruz, Carlo (Environmental Representative)	T		X		X							
12	Keeler, Frances (Business Representative) <i>Alternate – Janet Whittick</i>	T		X*		X*							
13	McCann, Bridget (Business Representative) <i>Alternate – Patty Senecal</i>	A*		X		X							
14	LaMarr, Bill (Business Representative)	X		X		X							
15	McGivney, Dan (Business Representative) <i>Alternate – Lauren Nevitt</i>	A*		X		X							
16	Downs, Michael (Community Representative - McCallon)	A		A		A*							
17	Ferlita, Jaclyn (Community Representative - Lyou)	X		A		A							
18	Hansberger, Martin (Community Representative - Rutherford)	X		X		X							
19	Montez, Art (Community Representative - Lyou)	A		X		X							
20	Rothbart, David (Community Representative - Mitchell)	X		A*		X							
21	Rubio, Larry (Community Representative - Ashley)	A*		A*		A*							
22	Smith, Larry (Community Representative - Benoit)	A		A*									
23	Turner, TyRon (Community Representative - Burke)	A		X		X							

Attendance Codes					
X	Present	T	Teleconference	A	Absence
X*	Alternate in Attendance	T*	Alternate Teleconference Participation	A*	Absence Excused

### **July 2019 Update on Work with U.S. EPA on New Source Review Issues for the RECLAIM Transition**

At the October 5, 2018 Board meeting, the Board directed staff to provide the Stationary Source Committee with a monthly update of staff's work with U.S. EPA regarding resolving NSR issues for the transition of facilities from RECLAIM to a command and control regulatory structure. The table below summarizes key activities over the past month.

<b>Item</b>	<b>Discussion</b>
Teleconference with U.S. EPA – June 18, 2019	<ul style="list-style-type: none"><li>• Staff discussed with U.S. EPA calculation methodologies for NSR applicability and amount of offsets required</li><li>• Discussed NSR requirements for secondary pollutants</li></ul>
Adoption of Amendments to Rule 2001 – Applicability, July 12, 2019	<ul style="list-style-type: none"><li>• Board approved amendments to keep facilities in RECLAIM until all rules associated with the transition are approved into the State Implementation Plan</li><li>• RECLAIM facilities will remain subject to Rule 2005 for New Source Review throughout the transition</li></ul>

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
General Counsel's Office**

**June 2019 Settlement Penalty Report**

**DRAFT**

**Total Penalties**

<b>Civil Settlements:</b>	<b>\$462,200.00</b>
<b>MSPAP Settlements:</b>	<b>\$18,080.00</b>
<b>Hearing Board Settlements:</b>	<b>\$26,000.00</b>

<b>Total Cash Settlements:</b>	<b>\$506,280.00</b>
<b>Total SEP Value:</b>	<b>\$0.00</b>

<b>Fiscal Year through 6 / 2019 Cash Total:</b>	<b>\$7,186,386.49</b>
<b>Fiscal Year through 6 / 2019 SEP Value Only Total:</b>	<b>\$265,000.00</b>

<b>Fac ID</b>	<b>Company Name</b>	<b>Rule Number</b>	<b>Settled Date</b>	<b>Init</b>	<b>Notice Nbr</b>	<b>Total Settlement</b>
<b>Civil Settlements</b>						
101656	AIR PRODUCTS AND CHEMICALS, INC.	2004(f)(1) 2005 3002(c)(1)	6/14/2019	NSF	P63375 P63380	\$11,000.00
182157	BAXALTA US INC	3002(c)(1)	6/20/2019	NSF	P66807	\$2,500.00
186599	CEDROS INVESTMENT LLC	1403	6/11/2019	KCM	P66271	\$1,100.00
56940	CITY OF ANAHEIM/COMB TURBINE GEN STATION	2012	6/4/2019	MJR	P60571	\$500.00
109013	EMERALD COURT	203(a) 222	6/12/2019	TRB	P63877	\$1,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
800372	EQUILON ENTER. LLC, SHELL OIL PROD. US	2004(f)(1) 3002(c)(1)	6/27/2019	TRB	P65318	\$2,500.00
124838	EXIDE TECHNOLOGIES	3002	6/18/2019	NSF	P63309	\$3,500.00
800089	EXXONMOBIL OIL CORPORATION	3002(c)(1)	6/6/2019	DH	P63406	\$165,000.00
148373	FULLERTON CUSTOM WORKS INC	203	6/6/2019	KCM	P63167	\$5,200.00
187243	JOSEPH FENTON	1403	6/6/2019	KCM	P66277	\$5,400.00
800075	LA CITY, DWP SCATTERGOOD GENERATING STN	2004 2012(c)(3)(A) 3002	6/7/2019	NSF	P64423 P66507	\$3,000.00
181933	NORTH GAS & MINI MART	203 461(c)(2)(B) 41960.2	6/13/2019	MJR	P61279	\$6,000.00
800408	NORTHROP GRUMMAN SYSTEMS	2012	6/27/2019	NSF	P68301	\$5,000.00
171941	Q.E.P. INC.	3002(c)(1)	6/27/2019	NSF	P66766 P66779	\$40,000.00
144835	QUALITY ALUMINUM FORGE A DIV OF GEL IND	1430(d)(2)	6/21/2019	KCM	P63875	\$7,000.00
104512	SOUTHERN CAL REGIONAL RAIL AUTHORITY	203(b)	6/14/2019	KCM	P65064 P66769	\$2,500.00
174655	TESORO REFINING & MARKETING CO, LLC	3002(c)(1)	6/27/2019	NSF	P65602	\$59,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
800436	TESORO REFINING AND MARKETING CO, LLC	40 CFR 60	6/27/2019	NSF	P60583	\$116,000.00
		1173			P64024	
		1176			P64025	
		1178			P64026	
		2004			P64028	
		3002(c)(1)			P64031	
800436	TESORO REFINING AND MARKETING CO, LLC	3002(c)(1)	6/27/2019	NSF	P64036	\$26,000.00

**Total Civil Settlements: \$462,200.00**

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
<b>MSPAP Settlements</b>						
182900	7-ELEVEN INC #37979	203	6/27/2019	TF	P66371	\$800.00
182901	7-ELEVEN INC #37980	203	6/27/2019	TF	P66372	\$800.00
186339	ADAPTIVE REALTY	1403	6/27/2019	GC	P66266	\$1,600.00
177905	APRO LLC DBA UNITED OIL #120	461(c)(2)(B)	6/27/2019	TF	P67667	\$1,000.00
177905	APRO LLC DBA UNITED OIL #120	461	6/27/2019	TF	P67659	\$1,000.00
180128	ATLANTIC PETROLEUM, INC	203(b)	6/21/2019	TF	P65260	\$800.00
182448	CHEVRON RIVERSIDE RD	461	6/27/2019	GC	P66353	\$440.00
153864	DIVERSIFIED ASPHALT PRODUCTS	203	6/28/2019	GC	P65168	\$640.00
179338	DUNCAN BROTHERS, INC.	3002	6/27/2019	GC	P59698	\$1,000.00
188465	E. STEWART & ASSOCIATES	203	6/27/2019	TF	P68509	\$250.00
119409	GOOSE CREEK GOLF CLUB	203	6/28/2019	GC	P67152	\$1,275.00
154188	MAIN STREET VALERO	461 H&S 41960	6/21/2019	TF	P64950	\$1,600.00
160499	NIETO'S STATION	461	6/21/2019	TF	P64945	\$1,000.00
187193	OCEANWIDE REPAIR	203	6/27/2019	TF	P67656	\$375.00
137487	P & S MOBIL	461 H&S 41960.2	6/27/2019	GC	P68111	\$400.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
187466	PALM SPRINGS INC.	461	6/27/2019	GV	P63231	\$400.00
187466	PALM SPRINGS INC.	203	6/27/2019	GV	P66362	\$400.00
188119	ROD'S TREE SERVICE INC	203	6/27/2019	TF	P65799	\$250.00
187775	RUSSEL COACH COMPANY LLC.	13 CCR 2485	6/21/2019	TF	P66808	\$1,200.00
179045	SILLY MONKEY, INC	13 CCR 2460	6/21/2019	GC	P60694	\$550.00
186767	STOUT ROOF CO	203	6/21/2019	TF	P62758	\$800.00
187709	TREZ COMPANY	403	6/21/2019	TF	P66768	\$1,000.00
123871	VERIZON WIRELESS/SIERRA PEAK #602	203(b)	6/27/2019	TF	P65393	\$500.00

**Total MSPAP Settlements: \$18,080.00**

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
<b>Hearing Board Settlements</b>						
104234	MISSION FOODS CORPORATION	202 203(b) 1153.1 1303	6/18/2019	KCM	5400-4	\$25,000.00
156902	PROVIDENCE TARZANA MEDICAL CENTER	203 1470	6/27/2019	TRB	6128-1	\$1,000.00

**Total Hearing Board Settlements: \$26,000.00**



**SOUTH COAST AQMD'S RULES AND REGULATIONS INDEX  
FOR JUNE 2019 PENALTY REPORT**

**REGULATION II - PERMITS**

Rule 203 Permit to Operate

Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II

**REGULATION IV - PROHIBITIONS**

Rule 403 Fugitive Dust - Pertains to solid particulate matter emitted from man-made activities

Rule 461 Gasoline Transfer and Dispensing

**REGULATION XI - SOURCE SPECIFIC STANDARDS**

Rule 1173 Fugitive Emissions of Volatile Organic Compounds

Rule 1176 Sumps and Wastewater Separators

Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

**REGULATION XIV - TOXICS**

Rule 1403 Asbestos Emissions from Demolition/Renovation Activities

Rule 1430 Control of Emissions from Metal Grinding Operations at Metal Forging Facilities

**REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)**

Rule 2004 RECLAIM Program Requirements

Rule 2005 New Source Review for RECLAIM

Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO<sub>x</sub>) Emissions

**REGULATION XXX - TITLE V PERMITS**

Rule 3002 Requirements for Title V Permits

**CALIFORNIA HEALTH AND SAFETY CODE**

41960 Certification of Gasoline Vapor Recovery System

41960.2 Gasoline Vapor Recovery

**CALIFORNIA CODE OF REGULATIONS**

13 CCR 2460      Portable Equipment Testing Requirements  
13 CCR 2485      Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor  
                         Vehicle Idling

**CODE OF FEDERAL REGULATIONS**

40 CFR 60, QQQ – Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

## Twelve-Month and Three-Month Rolling Average Price of Compliance Years 2018 and 2019 NOx and SOx RTCs

July 2019 Quarterly Report to Stationary Source Committee

**Table I**

Twelve-Month Rolling Average Price Data for Compliance Year 2018 NOx RTCs  
(Report to Governing Board if rolling average price greater than \$22,500/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2018 NOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price <sup>3</sup> (\$/ton)
Jan-18	Jan-17 to Dec-17	91.6	\$974,592	3	\$10,639
Feb-18	Feb-17 to Jan-18	91.6	\$974,592	3	\$10,639
Mar-18	Mar-17 to Feb-18	100.7	\$1,041,091	4	\$10,337
Apr-18	Apr-17 to Mar-18	51.6	\$497,246	5	\$9,643
May-18	May-17 to Apr-18	56.6	\$527,075	8	\$9,320
Jun-18	Jun-17 to May-18	53.1	\$502,575	7	\$9,473
Jul-18	Jul-17 to Jun-18	72.6	\$625,883	14	\$8,618
Aug-18	Aug-17 to Jul-18	80.0	\$660,279	19	\$8,251
Sep-18	Sep-17 to Aug-18	86.8	\$698,621	28	\$8,050
Oct-18	Oct-17 to Sep-18	104.3	\$759,871	29	\$7,287
Nov-18	Nov-17 to Oct-18	196.3	\$1,069,361	47	\$5,447
Dec-18	Dec-17 to Nov-18	167.5	\$706,811	49	\$4,219
Jan-19	Jan-18 to Dec-18	270.4	\$1,023,944	57	\$3,786
Feb-19	Feb-18 to Jan-19	521.6	\$1,460,268	87	\$2,800
Mar-19	Mar-18 to Feb-19	625.6	\$1,534,266	97	\$2,452
Apr-19	Apr-18 to Mar-19	636.4	\$1,581,537	98	\$2,485
May-19	May-18 to Apr-19	666.4	\$1,695,472	117	\$2,544
Jun-19	Jun-18 to May-19	668.6	\$1,703,114	119	\$2,547
Jul-19	Jul-18 to Jun-19	674.0	\$1,657,307	118	\$2,459

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

**Table II**

Twelve-Month Rolling Average Price Data for Compliance Year 2019 NOx RTCs  
(Report to Governing Board if rolling average price greater than \$22,500/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2019 NOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price <sup>3</sup> (\$/ton)
Jan-19	Jan-18 to Dec-18	18.2	\$103,000	5	\$5,646
Feb-19	Feb-18 to Jan-19	19.0	\$108,200	6	\$5,682
Mar-19	Mar-18 to Feb-19	19.0	\$108,200	6	\$5,682
Apr-19	Apr-18 to Mar-19	29.6	\$181,921	8	\$6,153
May-19	May-18 to Apr-19	30.2	\$186,852	9	\$6,182
Jun-19	Jun-18 to May-19	31.2	\$195,323	10	\$6,256
Jul-19	Jul-18 to Jun-19	44.3	\$278,708	14	\$6,288

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

**Table III**

Three-Month Rolling Average Price Data for Compliance Year 2018 NOx RTCs  
(Report to Governing Board if rolling average price greater than \$35,000/ton)

Three-Month Rolling Average Price Data for Compliance Year 2018 NOx RTC					
Reporting Month	3-Month Period	Total Volume Traded with Price During Past 3-month (tons)	Total Price of Volume Traded During Past 3-month (\$)	Number of Trades with Price	Rolling Average Price (\$/ton)
Jan-18	Oct-17 to Dec-17	38.1	\$400,092	1	\$10,500
Feb-18	Nov-17 to Jan-18	38.1	\$400,092	1	\$10,500
Mar-18	Dec-17 to Feb-18	9.1	\$66,499	1	\$7,300
Apr-18	Jan-18 to Mar-18	10.0	\$72,654	3	\$7,295
May-18	Feb-18 to Apr-18	15.0	\$102,483	6	\$6,855
Jun-18	Mar-18 to May-18	5.8	\$35,984	5	\$6,160
Jul-18	Apr-18 to Jun-18	24.6	\$153,137	10	\$6,235
Aug-18	May-18 to Jul-18	27.0	\$157,704	12	\$5,848
Sep-18	Jun-18 to Aug-18	33.7	\$196,046	21	\$5,813
Oct-18	Jul-18 to Sep-18	31.7	\$133,988	15	\$4,233
Nov-18	Aug-18 to Oct-18	116.3	\$409,081	28	\$3,517
Dec-18	Sep-18 to Nov-18	118.9	\$408,282	22	\$3,435
Jan-19	Oct-18 to Dec-18	204.3	\$664,165	29	\$3,251
Feb-19	Nov-18 to Jan-19	363.4	\$790,999	41	\$2,177
Mar-19	Dec-18 to Feb-19	467.2	\$893,954	49	\$1,914
Apr-19	Jan-19 to Mar-19	375.9	\$630,248	44	\$1,677
May-19	Feb-19 to Apr-19	159.8	\$337,688	36	\$2,113
Jun-19	Mar-19 to May-19	48.8	\$204,832	27	\$4,196
Jul-19	Apr-19 to Jun-19	62.2	\$228,907	30	\$3,681

**Table IV**

Three-Month Rolling Average Price Data for Compliance Year 2019 NOx RTCs  
 (Report to Governing Board if rolling average price greater than \$35,000/ton)

Three-Month Rolling Average Price Data for Compliance Year 2019 NOx RTC					
Reporting Month	3-Month Period	Total Volume Traded with Price During Past 3-month (tons)	Total Price of Volume Traded During Past 3-month (\$)	Number of Trades with Price	Rolling Average Price (\$/ton)
Jan-19	Oct-18 to Dec-18	18.2	\$102,300	4	\$5,621
Feb-19	Nov-18 to Jan-19	19.0	\$107,500	5	\$5,658
Mar-19	Dec-18 to Feb-19	14.0	\$80,000	4	\$5,714
Apr-19	Jan-19 to Mar-19	11.3	\$78,922	3	\$6,969
May-19	Feb-19 to Apr-19	11.2	\$78,653	3	\$7,034
Jun-19	Mar-19 to May-19	12.2	\$87,123	4	\$7,154
Jul-19	Apr-19 to Jun-19	14.8	\$96,787	6	\$6,560

**Table V**

Twelve-Month Rolling Average Price Data for Compliance Year 2018 SOx RTCs  
(Report to Governing Board if rolling average price greater than \$50,000/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2018 SOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price <sup>1</sup> (\$/ton)
Jan-18	Jan-17 to Dec-17	None	-	-	-
Feb-18	Feb-17 to Jan-18	None	-	-	-
Mar-18	Mar-17 to Feb-18	None	-	-	-
Apr-18	Apr-17 to Mar-18	None	-	-	-
May-18	May-17 to Apr-18	None	-	-	-
Jun-18	Jun-17 to May-18	34.2	\$23,974	3	\$700
Jul-18	Jul-17 to Jun-18	34.2	\$23,974	3	\$700
Aug-18	Aug-17 to Jul-18	80.2	\$57,354	5	\$715
Sep-18	Sep-17 to Aug-18	95.2	\$67,854	6	\$713
Oct-18	Oct-17 to Sep-18	163.3	\$135,429	10	\$829
Nov-18	Nov-17 to Oct-18	173.3	\$165,429	11	\$955
Dec-18	Dec-17 to Nov-18	173.3	\$165,429	11	\$955
Jan-19	Jan-18 to Dec-18	173.3	\$165,429	11	\$955
Feb-19	Feb-18 to Jan-19	218.3	\$209,829	14	\$961
Mar-19	Mar-18 to Feb-19	259.7	\$292,629	16	\$1,127
Apr-19	Apr-18 to Mar-19	259.7	\$292,629	16	\$1,127
May-19	May-18 to Apr-19	259.7	\$292,629	16	\$1,127
Jun-19	Jun-18 to May-19	225.4	\$268,655	13	\$1,192
Jul-19	Jul-18 to Jun-19	225.4	\$268,655	13	\$1,192

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

**Table VI**

Twelve-Month Rolling Average Price Data for Compliance Year 2019 SOx RTCs  
(Report to Governing Board if rolling average price greater than \$50,000/ton)

<b>Twelve-Month Rolling Average Price Data for Compliance Year 2019 SOx RTC</b>					
<b>Reporting Month</b>	<b>12-Month Period</b>	<b>Total Volume Traded with Price During Past 12-month (tons)</b>	<b>Total Price of Volume Traded During Past 12-month (\$)</b>	<b>Number of Trades with Price</b>	<b>Rolling Average Price<sup>1</sup> (\$/ton)</b>
Jan-19	Jan-18 to Dec-18	None	-	-	-
Feb-19	Feb-18 to Jan-19	None	-	-	-
Mar-19	Mar-18 to Feb-19	25.0	\$50,000	1	\$2,000
Apr-19	Feb-18 to Jan-20	25.0	\$50,000	1	\$2,000
May-19	May-18 to Apr-19	25.0	\$50,000	1	\$2,000
Jun-19	Jun-18 to May-19	26.4	\$53,376	2	\$2,021
Jul-19	Jul-18 to Jun-19	26.4	\$53,376	2	\$2,021

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.



DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC"PQ0"3; "

TGRQTV<" Vgej pqm { "Eqo o kwgg"

U PQRUK<" Vj g"Vgej pqm { "Eqo o kwgg"j grf "c"o ggkpi "qp" Hkf c { .""  
Lwn { "48."423; 0"Vj g" hmqy kpi "ku" c" uwo o ct { "qh" y g" o ggkpi 0"

TGEQO O GPFGF "CEVKQP <"  
Tgegkg"cpf "hkg0"

Lwf kj "O kej gm" Cevkpi "Ej ckt"  
Vgej pqm { "Eqo o kwgg"

000<ue

### Committee Members

Rtgupv<"Uwr gt xkuqt "Nkuc" Dct vgw" \* xkf ggeqphgt gpeg+ "  
O c { qt "Lwf kj "O kej gm" \* xkf ggeqphgt gpeg+ "  
EqwpeknO go dgt "F y ki j v" T qdkpuqp "

Cdugpv<"EqwpeknO go dgt "Lqg" Dwueckpq lEj ckt "  
Uwr gt xkuqt "Lcpleg" J cj p "  
Uwr gt xkuqt "X00 cpwgn" Rgtg| "

### **Call to Order**

Cevkpi "Ej ckt" O kej gm" ecngf "y g" o ggkpi "v" qtf gt "cv" 34-2; "r 0 0"

### **ACTION ITEMS:**

#### **1. Recognize Funds, Execute and Amend Agreements for Installation and Maintenance of Air Filtration Systems, and Reimburse General Fund for Administrative Costs**

WUOGRC "ku" gz gewkpi "c" Uwr r ngo gpvcn" Gpxktqpo gpvcn" Rtqlgev" \* UGR+ "cpf "j cu" cungf  
Uqwj "Eqcu" CS O F "v" cev" cu" y g" UGR" cf o kpkmtcvqt "v" kpuvcn" cpf "o cklpckp" ckt  
hkmtevkqp "u { ugo u" cv" uej qqn" k" gp xktqpo gpvcn" lwnleg" eqo o wplkgu0" Vj ku" cev kqp "ku" v  
tgeqi pl g" w" "v" & 389.; 89" kpv" y g" Ckt "Hkmtevkqp" Hwpf " \* 97+0" Vj gug" cev kqp u" ctg" v" cnuq  
gz gewg" ci tggo gpw" v" kpuvcn" cpf "o cklpckp" ckt "hkmtevkqp" u { ugo u" k" cp" co qwpv" pqv" v  
gzeggf " & 37; .78; . "gz gewg" qt" co gpf "ceegu" ci tggo gpw" y kj "nqecn" uej qqn" f kmtlewu.  
co gpf "eqpvtcew" v" r wtej cug" cf f kkpvcn" hngtu" wulpi "wpur gpv" cf o kpkmtcvkxg" hwpf u.  
cpf "t gko dwug" y g" l gpgtcn" Hwpf "hqt" cf o kpkmtcvkxg" equu" w" "v" & .5; : "hqt" UGR  
cf o kpkmtcvkqp0

O c { q t ' O k e j g m ' c u n g f ' k h ' y j g ' c o q w p v ' q h ' y j g ' U G R ' k u ' g p q w i j ' h q t ' u g x g t c n ' u e j q q n 0 U c h h ' t g u r q p f g f ' y j c v ' y j g ' h w p f l p i ' k u ' u w h h e k g p v ' h q t ' q p g ' u e j q q n ' c p f ' y j c v ' y j g ' u e j q q n ' e m u g u v ' v q ' y j g ' Y q t r f ' Q k i h c e k k v { ' k u ' y j g ' h n g n l ' e c p f k f c v g 0 C f f k k q p c n l r q v g p v c n ' u e j q q n ' j c x g ' c n u q ' d g g p ' k f g p v h g f ' k p ' e c u g ' k p u c n l p i ' h n g t u ' c v ' y j g ' e m u g u v ' u e j q q n ' k u ' p q v ' h g c u k d n g 0 ' "

O q x g f ' d { ' D c t v g w ' u g e q p f g f ' d { ' T q d k p u q p ' w p c p k o q w u n { ' c r r t q x g f 0 ' "

C { g u < " D c t v g w . ' O k e j g m ' T q d k p u q p " "

P q g u < " P q p g " "

C d u g p v < " D w u e c k p q . ' J c j p . ' R g t g l " "

## 2. Adopt Resolution Recognizing Funds for FY 2018-19 Carl Moyer State Reserve Program"

K p ' C r t k i 4 2 3 ; . ' E C T D ' c r r t q x g f ' h w p f l p i ' c m q e c v k p u ' h q t ' y j g ' H l ' 4 2 3 : / 3 ; ' E c t n l O q { g t ' U c v g ' T g u g t x g ' R t q i t c o ' w u l p i ' y j g ' u c o g ' f k u t k d w k q p ' c p f ' u q w t e g ' e c v i q t l g u ' c u ' y j g ' r t g x k q w u ' { g c t 0 ' V j g ' c m q e c v k p ' h q t ' y j g ' U q w j ' E q c u v ' C S O F ' k u ' & 5 . 6 : 3 . : ; 5 . ' k p e n f l p i ' 8 0 4 7 ' ' k p ' c f o k p k u t c v k x g ' h w p f u 0 ' V j g ' U c v g ' T g u g t x g ' h w p f u o ' w u v ' d g ' w u g f ' h q t ' q h h / t q c f ' r t q l g e u l ' k p e n f l p i ' e q p u t w e v k p . ' c i t l e w n w t c n ' c p f ' k p f w u t k c n ' g s w k r o g p v ' y j c v ' c t g ' g r k i k d n g ' c e e q t f l p i ' v q ' y j g ' 4 2 3 9 ' T g x k u k q p u ' q h ' y j g ' E c t n l O q { g t ' R t q i t c o ' I w k f g r k p g u 0 ' V j k u ' c e v k p ' k u ' v q ' c f q r v ' c ' T g u q n w k q p ' t g e q i p k l p i ' w r ' v q ' & 5 0 ' o k r k q p ' k p ' E c t n l O q { g t ' U c v g ' T g u g t x g ' h w p f u ' h t q o ' E C T D ' c m q i ' y k j ' k u ' v g t o u ' c p f ' e q p f k k q p u ' h q t ' H l ' 4 2 3 : / 3 ; 0 ' "

E q w p e k n l O g o d g t ' T q d k p u q p ' l p s w k t g f ' c d q w ' y j g ' r t q e g u u ' y k j ' u e t c r r c i g ' c p f ' t g r m e g o g p v ' q h ' g s w k r o g p v ' w p f g t ' y j g ' E c t n l O q { g t ' R t q i t c o 0 U c h h ' g z r n c k p g f ' y j g ' r t q e g u u ' q h ' r t g / k p u r g e v k p i ' y j g ' q r f ' g s w k r o g p v . ' y j g ' u w d u g s w g p v ' k p u r g e v k p ' q h ' y j g ' t g r m e g o g p v ' g s w k r o g p v . ' c p f ' y j g ' x g t k h e c v k p ' y j c v ' y j g ' q r f ' g s w k r o g p v ' j c u ' d g g p ' f g u t q { g f 0 E q w p e k n l O g o d g t ' T q d k p u q p ' c n u q ' c u n g f ' k h ' y j g t g ' y c u ' c ' d c e m m i ' y k j ' k p u r g e v k p u . ' k h ' y j g t g ' y c u ' c f g s w c v g ' u c h h l p i ' c p f ' y j g ' f w t c v k p ' q h ' y j g ' r t q e g u u ' k p ' i g p g t c r l 0 U c h h ' t g r n g f ' y j c v ' f w g ' v q ' j g c x { ' q x g t u w d u e t k r v k p ' h q t ' r c t v ' q h ' C D ' 3 5 6 ' h w p f u . ' y j g t g ' y c u ' c ' 8 / ' v q ' ; / o q p v j ' e { e r g ' c p f ' c n j q w i j ' t g u q w t e g u ' y g t g ' p q v ' c f g s w c v g ' c v ' y j g ' k o g . ' C D ' 8 3 9 ' h w p f u ' y k m ' c m q y ' h q t ' y j g ' j k l p i ' q h ' c f f k k q p c n l t g u q w t e g u 0 D c { t q p ' I k r e j t k u v . ' I g p g t c n ' E q w p u g n ' c p f ' O c { q t ' O k e j g m l p f l e c v g f ' y j c v ' O c { q t ' O k e j g m l f a g u ' p q v ' j c x g ' c ' h k p c p e k n l k p v g t g u v ' q t ' e q p h e v ' q h ' k p v g t g u v . ' d w ' O c { q t ' O k e j g m l k u ' t g s w k t g f ' v q ' p q v g ' h q t ' y j g ' t g e q t f ' y j c v ' u j g ' k u ' c ' o g o d g t ' q h ' E C T D . ' y j k e j ' k u ' k p x q n x g f ' k p ' y j k u ' k g o 0 O c { q t ' O k e j g m l c u n g f ' k h ' U c v g ' T g u g t x g ' h w p f l p i ' y c u ' r t k o c t k n l ' h q t ' q h h / t q c f ' c i t l e w n w t c n ' g s w k r o g p v 0 U c h h ' g z r n c k p g f ' y j c v ' y j g ' U c v g ' T g u g t x g ' h w p f ' k u ' h q e w u g f ' r t k o c t k n l ' q p ' q h h / t q c f ' e q p u t w e v k p ' g s w k r o g p v ' j q y g x g t . ' c f f k k q p c n l h w p f l p i ' h q t ' q h h / t q c f ' c i t l e w n w t c n ' g s w k r o g p v ' k u ' c x c k n c d n g ' w p f g t ' y j g ' H w p f l p i ' C i t l e w n w t c n l T g r m e g o g p v ' O g c u w t g u ' h q t ' G o k u k q p ' T g f w e v k p u \* H C T O G T + ' R t q i t c o 0 U c h h ' c f f g f ' y j c v ' g x g p ' y k j ' H C T O G T ' h w p f l p i . ' q h h / t q c f ' c i t l e w n w t c n l g s w k r o g p v ' k u ' u k n l u g x g t g n l ' w p f g t h w p f g f ' f w g ' v q ' y j g ' j k i j ' f g o c p f 0 ' "

"

"

O qxgf "d { "Tqdkpuqp="ugeqpf gf "d { "Dctvrgw="wpcpko qwun { "cr r tqxgf 0"

"

C { gu<" Dctvrgw:"O ke j gm "Tqdkpuqp"

P qgu<" P qpg"

Cdugpv<" Dwæckpq."J c j p."Rgtg| "

"

"

### **INFORMATIONAL ITEM:**

#### **3. Renewable Transportation Fuel From Pyrolysis**

Uchh'r tguqpvf "c"ucwu'tgr qt v'qp"y j g"MQTG" kpt cutwewt g'r tqlgev'yj cv'ku'lpvqpf gf "vq" f go qpuctvq" c"eqo o gtekn'uecr' r { tqn { uku' u { ugo "y j cv'eqpxgtw' xctkqu'y cuvg" dkqo cuu'hggf uqem'lpvq" tgpqy cdrg' pcwtcn' cu'cpf "tgpqy cdrg" j { f tqi gp0"

"

O c { qt "O ke j gm'cungf "kh'MQTG" ai'hqewu'y cu'qp" tgpqy cdrg' pcwtcn' cu' \*TP I + "qt" tgpqy cdrg" j { f tqi gp" r tqf wvqkp0 Uchh' tgr qp f gf "y j cv' y ku' ku' c" hgrf "vguv" cpf "MQTG" y kni'dg" cuugukpi "y j g' xkcdkx { "qh' r tqf wvqpi "gkj gt "qt" dqy "tgpqy cdrg" t'cpur qt v'vqkp" hwnu0MQTG" j cu'gzt tguqf "cp" lpvgtuv'lp" tgpqy cdrg" j { f tqi gp" cu' y j g { "dgrkxg" k'y kni' tguwv'lp" c" j ki j gt "geqpqo kecn'xcnw' kh'y j g' tgpqy cdrg" j { f tqi gp" r cv' y c { "ku' f gvgto kpgf " vq" j cxg" c" m'y gt "ectdq" lpvqpuv { "cpf "y kni' uwdugs wgpv { "i gpgtcvq" o qtg" m'y "ectdq" hwnu' ucpf ctf "cpf "tgpqy cdrg" k'f gpv' h'ecvqkp" pwo dgt "etgf ku0UqEcn' cu' j cu' gzt tguqf " cp" lpvgtuv'lp" dqy "hwnu0Vj g" TP I "kplgev'f "lpvq" y j gk' r k' gkpg" y qwf "j gr " ðf gectdqpk gö' y j gk' pcwtcn' cu' uwr r n { 0O c { qt "O ke j gm'cnuq" cunf "kh'y gtg' ku' c" r ncp" vq' k'f gpv' h { "c" r gto cpgpv' uksg0 Uchh' tgr qp f gf "y j cv' cu' r ctv' qh' y j g" Tlcnuq " \*eqo o gtekn' uksg+enquwtg. "MQTG" y cu' vq' u j qy "tgeuqpcdr' hwt y j gt "r tqi tguu' qp" y j g' h'cukdkx { "qh" y j gk' v'gej pqm i { "cpf "k'f gpv' h { "c" pgy "eqo o gtekn' uksg0MQTG" j cu' pqv { "gv' r tqxkf gf "c" eqo o gtekn' h'ecvqkp0 Uchh' gzt gewu' y j cv' MQTG" y kni' y cpv' vq' tgo ckp' cv' y j g" UqEcn' cu' Qn { o r k' e" uksg" dw' UqEcn' cu' ku' y cklpi "wpv' v' y j g' qweqo g' qh' y j g' hgrf "vguv' pi "cv' y j cv' uksg0Uwr gtxkuqt "Dctvrgw'cnuq" lps vktgf "cdqw" y j g' gzt gev'f "ecr cekv { "qh' y j g' Qn { o r k' e" uksg" r tqlgev0 Uchh' tgr qp f gf "y j cv' y j g' Qn { o r k' e" uksg" ku' ewtgpv { "c" hgrf "vguv' r tqlgev' y j cv' ku' pqv' lpvqpf gf "qt" f guki pgf "hqt" cp { "uwdupv' xg" r tqf wvqkp" qh' hwnu0Vj g' ghqt v. "lp" i gpgtcn' hqewu' qp" y j g' v'gukpi "qh' xctkqu' hggf uqemu" cpf "o qpkqt kpi "xctkqu" qr gtevkpi " r ctco gvgtu' vq' f gvgto kpg" j qy "y j g { "ch' gev' r tqf wvq0""

"

Uwr gtxkuqt "Dctvrgw'cunf "cdqw" y j g' vko gkpg" hqt "y j g' r tqlgev0 Uchh' tgr qp f gf "y j cv' MQTG" gzt gewu' eqputwvqkp" ghqt v' vq' dg" eqo r rvgf "d { "y j g' gpf "qh' Ugr vgo dgt0' Hqm y kpi "eqputwvqkp. "y j g' r tqegu' y kni' wpf gti q" eqo o kuukp kpi "vq" gpuwtg" cni' u { ugo u' ctg' hwpevqkpi " r tqr gtn { "cpf "tgr qp f kpi "vq" eqptqnu. "cpf "y j gp" v'gukpi 0"

"

### **OTHER MATTERS:**

#### **4. Other Business"**

Vj gtg' y cu' pq" qy j gt "dwukpguu0"

"

"

## 5. Public Comment Period

Vj gtg'y gtg"pq"r wrke"eqo o gpw0'

## 6. Next Meeting Date"

Vj g'pgzv'tgi wrct"Vgej pqmqi { 'Eqo o kwgg"o ggkpi 'ku'uej gf wrgf 'hqt'Htk c{.'Ugr vgo dgt "  
42."423; "cv'pqqp0'  
"

## Adjournment

Vj g'o ggkpi "cflqwtpgf "cv'34<59"r 0 0'  
"

## Attachment

Cwgpfcpeg'Tgeqtf "

**ATTACHMENT**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
TECHNOLOGY COMMITTEE MEETING**

**Attendance Record – July 26, 2019**

Uwr gtxkuqt "Nkuc" Dctvrgw "xkf ggeqphgt gpeg-(UECS O F "Dqctf "O go dgt"  
O c {qt "Lwf kyj "O ke j gmi "xkf ggeqphgt gpeg+(UECS O F "Dqctf "O go dgt"  
Eqwpeki "O go dgt "F y ki j vT qdkpuqp (UECS O F "Dqctf "O go dgt"  
"

Cpf { "Ukrc (Dqctf "Eqpuwncpv "Twj gthqtf +"  
"

Dtkf i gv "O e Ecpp (Y guvgtp "Ucvgu "Rgt qrgwo "Cuqekvqp"  
Uwucp "Uctn (O ctcvj qp "Rgt qrgwo "  
Vco o { "I co cucn (Uqwj gtp "Ecdhqtple "Gf kuqp"  
"

Uco "Ecq (UECS O F "Uchh"  
Dc {tqp "I ke j tkuv (UECS O F "Uchh"  
Rkpi "I wk (UECS O F "Uchh"  
Lqgr j "K r wrkvw (UECS O F "Uchh"  
Xlevqt "Lwcp (UECS O F "Uchh"  
Rcvtlek "My qp (UECS O F "Uchh"  
O gi cp "Nqt gp (UECS O F "Uchh"  
O cw "O k cucv (UECS O F "Uchh"  
Y c {pg "P cucv (UECS O F "Uchh"  
Lgppkgt "P qtf dcen (UECS O F "Uchh"  
Rgpp { "Uj cy "Egf km (UECS O F "Uchh"  
Y cngt "Uj gp (UECS O F "Uchh"  
Xgtqpkec "Uquc (UECS O F "Uchh"  
Ncnk "Vkuqr wqu (UECS O F "Uchh"  
Lkn "Y j {pqv (UECS O F "Uchh"  
Rcwri "Y tki j v (UECS O F "Uchh"  
Cn {uuc "I cp (UECS O F "Uchh"  
Xcungp "I ctf go kcp (UECS O F "Uchh"  
Cf cp "Xgrueq (UECS O F "Uchh"  
Hcp "Zw (UECS O F "Uchh"  
"

DQCTF "O GGVKPI "F CVG<Ugr vgo dgt"8."423; "

CI GPFC"P Q0"42"

TGRQTV<"

O qdkrg"Uqwtg"Ck"Rqmwkqp"T gf wvqpp"T gxlgy "Eqo o kwgg"

U P QRUK<"

Dgrny "ku"uwo o ct{ "qh"ng{ "kuwgu"cf f tguugf "cv"j g"O UTE"u"o ggkpi " qp"Cwi wuv"37."423; 0Vj g"pgzv"o ggkpi "ku"uej gf wrgf "hqt"Vj wtuf c{." Ugr vgo dgt"3; ."423; "cv"4-22"r 0 0"lp"Eqphgtgpeg"Tqqo "EE: 0"

TGEQO O GPFGF "CEVKQP <"

Tgegkxg"cpf "hkg0"

P cxggp"Dgtt{ "

Uqwj "Eqcuw"CS OF "Nckuqp"vq"O UTE"

OOO-PD<ue"

### **Meeting Minutes Approved**

Vj g"O UTE"wpcpk qwun{ "cr r tqxgf "j g"o kpwgu"qh"j g"Cr tkl"3: "cpf "O c{ "38."423; " o ggkpi u0Vj qug"cr r tqxgf "o kpwgu"ctg"cwcej gf "hqt"{"qwt"lphqto cvkqp"(Attachment 1)0"

### **FYs 2018-2021 Work Program**

#### **Exercise Option for Website Services**

Hqmqy kpi "cp"qr gp"THR"r tqeguu."j g"O UTE"gpvgtgf "kpv"ku"ewttgpv"eqptcev"y kj " I gqi tcr j leu"htq"f guki p."j qukpi "cpf "o clpvGPCPEG"qh"j g"O UTE"y gdukg0Vj g"eqptcev" cmqy gf "hqt"u"y q/{ gct"gzvGPCPEG"eqpvkpi gpv"wr qp"cmqecvqpp"qh"hwpf u"d{ "j g"O UTE"cpf " cr r tqxcn"d{ "j g"Uqwj "Eqcuw"CS OF "I qxgtplkpi "Dqctf 0F wg"vq"cp"gttqt"y j gp"j g"eqptcev" y cu"qtki kpcmf "y tkwgp."j g"eqptcev"fggu"pqv"gzr ktg"wpvklHgdwtct{ "42."42430J qy gxgt."j g" eqptcev"qpnl "r tqxkf gu"j qukpi "cpf "o clpvGPCPEG"hwpf kpi "j tqwi j "Lwn{ "423; 0O UTE"uclh" tgxkgy gf "I gqi tcr j leu"r gthqto cpeg"cpf "hqwpf "j cv"j g{ "y qtnrgf "y gniy kj "uclh"cpf "qvj gt" ng{ "uvcngj qrf gtu"vq"kf gpvkl{ "pggf u"f wtkpi "j g"fxgmqr o gpv"r tqeguu0I gqi tcr j leu"j cu"cnq" r gthqto gf "y gniuwdugs wgpv"vq"ukg"rcwpej 0Vj g"O UTE"cr r tqxgf "gzgteukpi "j g"qr vqpp"cpf " kpetgculpi "j g"eqptcev"xcnwg"d{ "&9.722."hqt"u"y pgy "qvcn"eqptcev"xcnwg"qh"&92.262."cu"r ctv" qh"j g"HI u"423: /43"Y qtnlRtqi tco 0Vj ku"eqptcev"o qf hkvkqp"y knldg"eqpukf gtgf "d{ "j g" Uqwj "Eqcuw"CS OF "Dqctf "cv"ku"Ugr vgo dgt"8."423; "o ggkpi 0

### Major Event Center Transportation Program

Cu'r ctv'qh'ku'Hl u'423: /43"Y qtmRtqi tco . 'y' g'O UTE "cmqecvgf "&807"o krikp'hqt "gxgpv' egpvg' t'cpur qtvcvkp'r tqi tco u'cpf 'tgrgcugf "Rtqi tco "Cpqpwpgo gpv'RC423; /250Vj g' Rtqi tco "Cpqpwpgo gpv'uqnekuc'r r rlecvkpu'ltqo 's wcrkh' lpi 'o clqt "gxgpv'egpvgtu'cpf lqt " t'cpur qtvcvkp'r tqxkf gtu'v'q'r tqxkf g' t'cpur qtvcvkp'ugtxleg'hqt 'xgpwgu'pqv'ewt'gpv' 'ugtxgf " d{ 'uwlh'lekp'v' t'cpur qtvcvkp'ugtxleg0Vq'f cvg. 'y' g'O UTE 'j cu'cy ctf gf "c'v'q'v'cl'qh' "&3.385.6: 70Vj g'O UTE "eqpukf gtgf 'tgeqo o gpf cvkpu'eqpegtplpi "cp'cf f kklapcn' cr r rlecvkp'uwdo kwgf "d{ "Qtcp' g'Eqwpv' "Vt'cpur qtvcvkp' "Cwj qtkv' "QE VC +0QE VC " tgs wguvgf 'y' g'O UTE "v'q'eqpukf gt'cp'cy ctf "qh'&68: .4; : "v'q'r tqxkf g'gzr t'gu'dwu'ugtxleg'v'q' y' g'Qtcp' g'Eqwpv' "Hck'lp'Equc' "O guc'0Ugtxleg'y qwf "dg'r tqxkf gf "qp'plpg' "tqwg" dgvy ggp'gz'kukpi "t'cpuk'f'ck'k'k'gu'cpf 'y' g'Hck. "qp'Ucwtf c{ u'cpf "Uwpcf c{ u'hqt "cm'h'xg" y gngpf u'h'q'y g'423; "cpf "4242"Hck'ugcuqpu0Vj g'ugtxleg'y km'w'k'k' g'opgct/ gtqo'EP I " dwugu'cu'y gm'cu'qpg' gtq'go kukqp. "j { f tqi gp'hwgn'egm'dwu0QE VC "cpf "ku'r ctv'pgtu'ctg" eqo o kwgf "v'q'r tqxkf g'cv'gcu'&739: .35"lp'eq/hwfp lpi "eqp'v'k'w'k'pu'v'q'y' g'qr gtcvkp'cpf " o ctngv'kpi "qh'y' g'r tqi tco 0Vj g'O UTE "cr r tqxgf "c'eqp'v'cev'cy ctf "v'q'QE VC "lp'cp'co qwpv' pqv'v'q'gzeggf "&68: .4; : "cu'r ctv'qh'y' g'Hl u'423: /43"Y qtmRtqi tco "hqt'y' g'Qtcp' g'Eqwpv' "Hck'Gzr t'gu'dwu'ugtxleg0Vj ku'eqp'v'cev'cy ctf "y km'dg'eqpukf gtgf "d{ 'y' g'Uqwj 'Eqcu' CS O F "Dqctf "cv'ku'Ugr vgo dgt'8."423; "o ggkpi 0 "

### Programmatic Outreach Services

Cu'r ctv'qh'y' g'Hl u'423: /43"Y qtmRtqi tco . 'y' g'O UTE "tgrgcugf "c'Tgs wgu'v'hqt "Rtqr qucni" hqt'y' g'uqnek'cvk'p'qh'Rtqi tco o c'v'k'Qwtgcej "Ugtxlegu0Vj g'THR"guvdrkuj gf "c'hwfp lpi " v'cti g'v'g'xgn'pqv'v'q'gzeggf "&472.222'hqt'cp'lp'k'k'cn'y' tgg/ { gct'r g'k'qf . 'y' kj "cp'qr vkp'ercwug" hqt'cpqy' gt'v'y q/ { gct'r g'k'qf 0Vj g'ugng'ev'g'eqp'v'cev'q'y qwf "cu'ku'v'lp'r tqo qv'kpi 'y' g' O UTE u'Engcp "Vt'cpur qtvcvkp' "Hwfp lpi "VO "r tqi tco u'cu'y gm'cu'r tqxkf lpi "qwtgcej " cu'ku'v'cep'g'v'ewt'gpv'cpf "r tqur g'v'xg'O UTE "r tq'lg'ev'ko r ngo gpv'gtu0Vj g'THR'y cu'tgrgcugf " qp'O c{ "5."423; 0C "v'q'v'cl'qh'v'y q'r tq'qr qucni'y gtg'tgeg'k'xgf "d{ 'y' g'emulpi "f cvg'qp'Lwpg'3; . " 423; 0Vj g'r tq'qr qucni'y gtg'tg'x'k'y gf "d{ "c'r cp'gn'eqo r tkugf "qh'o go dgtu'qh'y' g'O UTE u' Vgej plecn' Cf xkuqt { "Eqo o kwgg0Vj g'O UTE "cr r tqxgf "c'eqp'v'cev'cy ctf "v'q'Dgwtg "Y qtrf " I tqwr "Cf xkuqtu'lp'cp'co qwpv'pqv'v'q'gzeggf "&472.222'hqt'y' g'dcug'y' tgg/ { gct'r g'k'qf "cu" r ctv'qh'y' g'Hl u'423: /43"Y qtmRtqi tco . 'y' kj "cp'qr vkp'ercwug'hqt'cp'cf f kklapcn'v'y q/ { gct" r g'k'qf "uwl'g'ev'v'q'cr r tq'x'cn'd { 'y' g'O UTE "cpf "Uqwj "Eqcu'CS O F "Dqctf "cv'c'rcvgt'f cvg0 Vj ku'eqp'v'cev'o qf k'lec'vkp'y km'dg'eqpukf gtgf "d{ 'y' g'Uqwj "Eqcu'CS O F "Dqctf "cv'ku" Ugr vgo dgt'8."423; "o ggkpi 0 "

### Update on Timelines for MSRC's Regional Goods Movement Program

lp'Lwpg'423; . 'y' g'O UTE "guvdrkuj gf "hqt'uw'ld'g'ev'o c'wgt'ctgcu'hqt'y' g'Tgi k'apcn'I qqf u' O qxgo gpv'Rtqi tco "qh'ku'Hl u'423: /43"Y qtmRtqi tco 0Vj g'O UTE "tgeg'k'xgf "cp'w'f cvg" qp'f g'xgn'r o gpw'lp'y' g'ug'ctgcu0Hqt "Kp'rcpf "Rqtu. "hqwugf "qp'f k'ut'k'w'k'p'egp'v'gtu'lp'y' g' Kp'rcpf "Go r k'g. "c'o'VCE/O go dgt "Qpn' o'uwdego o kwgg'j cu'dggp'uw' i guvgf 0Hqt "Ncu' O k'g. "hqwugf "qp'v' t'cpur qtvcvkp'hq'm'y lpi "f gr ctwtg'ltqo "f k'ut'k'w'k'p'egp'v'gtu. "c'y' qtnkpi " i tqwr "o ggkpi "v'q'f k'uewu'r qv'gp'v'cn'r ctv'pgt'uj kr "y' kj "UECI "v'q'ko r ngo gpv'c'eqo r tgj gpuk'xg" Ncu'O k'g "I qqf u'O qxgo gpv'Rt'ql'g'ev'ku'uw' i guvgf "hqt'Hcm'423; 0Hqt "O ctk'ko g'Rqtu. "

hewugf "qp"j g'Rqt w'qh'Nqpi 'Dgcej "cpf 'Nqu'Cpi grgu."qi gj gt'y kj 'y g\ gtq/cpf 'P gct/  
 \ gtq'Vt weniEqqr gtcvkg. 'hewugf "qp"etgcvpi "c"utgco nkgf 'r tgeguu'vq'cuukv'uo cm'  
 dwukpguugu'cpf "gpeqwtci g'hggv'wtpqxtg."c"ōDtqy p'Cew'y qtnkpi 'i tqwr "j cu'dggp"  
 uwi i guvgf 'y kj "ucngj qrf gtu'kpenmf kpi ."dw'pqv'iko kgf "vq."o go dgtu'qh'yj g'O UTE/VCE"( " O UTE. 'Uqwj 'Eqcu'CS O F . 'ECTD. 'Nqu'Cpi grgu'Eqwpv' 'O VC. 'Engcp'Gpgti { "cpf 'NC" Engcpvgej 'Kpewdcvt "NCEK0"Vj g'lpkkn'o ggkpi 'ku'vpgvckxgn' 'uej gf wrgf 'hqt'Ugr vgo dgt" 423; 0' "

### **Contract Modification Requests**

Vj g'O UTE "eqpukf gtgf "y q "eqptcev'o qf hkecvkp "tgs wguu'cpf "vqnm'yj g'hqm'y kpi "cevkpu"

- 30 Hqt'yj g'Ekf "qh'J go gv.'Eqptcev%O N34265.'y j lej 'r tqxkf gf "&82.222"vq'r wtej cug" wy q'j gcx{/f w'f 'EPI 'xgj kengu.'tgf wegf 'ueqr g'cpf 'xcnwg'cpf '48/o qp'y 'vgo " gzvgpukqp0'Vj g'Ekf "tgs wguvgf "vq'tgo qxg'vcumi'cpf 'hwpf kpi "cuuqekv'gf 'y kj " r wtej cug'qh'yj g'EPI 'xcevqt'twem'cpf "
- 40 Hqt'yj g'Ekf "qh'Gcuwcrq.'Eqptcev%O N38262.'y j lej 'r tqxkf gf "&32.222"vq'kpucm' GX'ej cti kpi 'kphcutwewtg.'tgxkugf 'hcecvkpu.'kpetgcukpi 'ucv'kpu'htqo 'ukz'vq" wy gpv'."cpf "y q/{ gct'vgo "gzvgpukqp0"

### **Received and Approved Final Reports**

Vj g'O UTE "tgegkxgf "cpf "wpcplo qwun' "cr r tqxgf 'hqt'kpcn'tgr qtw'yj ku'o qp'y "cu'hqm'y u<" "

- 30 Qtcpi g'Eqwpv' "Vtcpur qtwcvkqp'Cwj qtkv'.'Eqptcev%O U38334.'y j lej 'r tqxkf gf " &3.692.222"vq'tgr qy gt'wr "vq", : "tcpuk'dwugu="
- 40 Uqwj gtp'Ecnkhtpk'Tgi kpcn'Tckn'Cwj qtkv' "O gvtqkpm'.'Eqptcev%O U3: 232." y j lej 'r tqxkf gf "&573.3: 8"vq'ko r ngo gpv'ur gekn'O gvtqkpm'Ugtxleg'vq'Wp'kqp" Ucvkqp="
- 50 Nqu'Cpi grgu'Eqwpv' 'O VC.'Eqptcev%O U3: 247.'y j lej 'r tqxkf gf "&3.546.782'hqt" ur gekn'dwu'cpf "vtckp'ugtxleg'vq'F qf i gt'Ucf kwo +=cpf "
- 60 Uqwj gtp'Ecnkhtpk'Tgi kpcn'Tckn'Cwj qtkv' "O gvtqkpm'.'Eqptcev%O U3: 327." y j lej 'r tqxkf gf "&474.8; 8'hqt"ur gekn'vtckp'ugtxleg'vq'yj g'Hguv'kcn'qh'Nki j w0'

### **Contracts Administrator's Report**

Vj g'O UTE'CD'4988'Eqptcew'Cf o kpkutcvqt'r tqxkf gu'c'y tkwgp'ucwu'tgr qtv'qp"cm" qrgp'eqptcew'htqo "Hl "4226/27'yj tqwi j "y g'r tgugp0'Vj g'Eqptcew'Cf o kpkutcvqt'at' Tgr qtv'hqt'O c { "52'yj tqwi j "Lwn'46."423; "ku'cwcej gf "Attachment 2+hqt" { qwt'kphqto cvkqp0" "

### **Attachments**

Cwcej o gpv'3"ō'Cr r tqxgf "Cr tki'3: "cpf "O c { "38."423; "O ggkpi "O kpwgu" Cwcej o gpv'4"ō'O c { "52'yj tqwi j "Lwn'46."423; 'Eqptcew'Cf o kpkutcvqt'at'Tgr qtv'





**MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE  
THURSDAY, APRIL 18, 2019 MEETING MINUTES**

43: 87'Eqr rg{ 'F tkxg.'F kco qpf.'Dct.'EC"; 3987"/'Eqphgtgpeg'Tqqo 'EE/: "

**MEMBERS PRESENT:**

\*Ej ckt+'Nctt{'O eEcmqp.'tgr tgugpvkpi 'UDEVC"  
 \*Xleg/Ej ckt+'I tgi 'Y lpytdqvwqo .'tgr tgugpvkpi 'QEVc"  
 Dtkp'Dgtmup.'tgr tgugpvkpi 'TEVE"  
 LcenlMkqy unk'tgr tgugpvkpi 'Ecnlhtpk'Ckt'Tguqwtegu'Dqctf "  
 F qmgtgu'Tq{ dcnl'Ucnctgnk'\*Cn0:.'tgr tgugpvkpi 'Tgi kqpcn'Tkf guj ctg'Ci gpe{ '\*xlc'eqph0ecm+ "  
 O gi j cp'Ucj nk'Y gmu.'\*Cn0:.'tgr tgugpvkpi 'UECI '\*xlc'eqph0ecm+ "

**MEMBERS ABSENT:**

Dgp'Dgpqkz'tgr tgugpvkpi 'UECS OF "  
 Tgz'Tlej ctf uqp.'tgr tgugpvkpi 'UECI "  
 Ugxg'Xgtgu.'tgr tgugpvkpi 'Nqu'Cpi gngu'Eqwpv{'O VC "  
 "

**MSRC-TAC MEMBERS PRESENT:**

Tqpi uj gpi 'Nwq.'tgr tgugpvkpi 'UECI "  
 Mgm{'N{pp.'tgr tgugpvkpi 'UDEVC "  
 "

**SCAQMD STAFF & CONTRACTORS**

Ngcj 'Crhtq.'O UTE'Eqptcevu'Cuukucpv'  
 F cr j pg'J uw.'Ugpkqt'F gr ww{'F kntkev'Eqwpugn'  
 Lqj p'Mco r c.'Hkpcpekn'Cpcn{uv"  
 O cw'O cengp| kg.'O UTE'Eqptcevu'Cuukucpv'  
 E {pyj kc'Tcxgpugkp.'O UTE'Eqptcevu'Cf o kpkutcvqt "  
 RcwY tki j v.'kphqto cvkqp'Vgej pqmgi { 'Ur gekrkuv" "

**CALL TO ORDER**

- Ecm\q"Qtf gt"

"

O UTE'Ej ck'Nctt { 'O eEcmqp'ecmgf 'y g'o ggkpi 'v'q'qtf gt'cv'4-22'r 0"

"

Tqm'ecm'y cu'cmgp'cv'y g'uctv'qh'y g'o ggkpi 0Vj g'hmqy kpi 'o go dgtu'cpf "  
cmgtpcvgu'y gtg'r tgugpv'DTKCP 'DGT MUQP . 'ICE M MK/QY UMK'NCTT[ "  
O EECNNQP . 'F QNQTGU'TQ[ DCN'UCNVCTGNNK'O GI J CP 'UCJ NKY GGNU."  
I TGI "Y R VGT DQVVQO "

"

- Qr gpkpi 'Eqo o gpw"

"

Vj gtg'y gtg'pq'qr gpkpi 'eqo o gpw0"

"

"

- UVC VWU'TGRQTV"

"

E {pyj k'Tcxgpugkp . 'O UTE 'Eqpvcwu'Cf o kpkutcvqt'tgr qtvf 'Eqr kgu'qh'y g'Engcp"  
Vtcur qtvckqp'Rqrk { 'Wf cvg'y gtg'f kntkdwgf 'cv'y g'o ggkpi 0'

"

"

O UTE'Ej ck'Nctt { 'O eEcmqp'ucvgf 'hqt'y g'tgeqtf 'y cv'hqt'Ci gpf c'Kgo '%4.'j g'f qgu'pqv"  
j cxg'cp { 'hpcpeknkpgtguv.'dw'ku'tgs vkt gf 'v'k'f gpvh { 'y cv'j g'ku'qp'y g'Vtcur qtvckqp"  
Eqo o kxgg'hqt'y g'Uqwj gtp'Ecrkhtplc'Cuuqekcvkp'qh'I qxgtpo gpw.'y j kej 'ku'kpxqrgf 'kp"  
y ku'kgo 0'

"

O UTE'Cmgtpcvg'O gi j cp'Ucj rk'Y gmu'ucvgf 'hqt'y g'tgeqtf 'y cv'hqt'Ci gpf c'Kgo '%0.'uj g"  
f qgu'pqv'j cxg'cp { 'hpcpeknkpgtguv.'dw'ku'tgs vkt gf 'v'k'f gpvh { 'y cv'uj g'ku'c'O go dgt'qh'y g"  
Dqctf 'qh'F kgevqtu'hqt'y g'Uqwj gtp'Ecrkhtplc'Tgi kqpcnTcklCwj qtk { . 'y j kej 'ku'kpxqrgf "  
kp'y ku'kgo 0'

"

"

**CONSENT CALENDAR (Items 1 through 6)****Receive and Approve Items****Agenda Item #1 – Minutes for the February 21, 2019 MSRC Meeting**

Vj g'o kpwgu'qh'y g'Hgdtwct { "43.'423; 'O UTE 'o ggkpi 'y gtg'kpenmf gf 'kp'y g'ci gpf c"  
r cenai g0'

"

QP 'O QVIQP 'D[ 'O UTE 'XEG'EJ CKT'I TGI "Y R VGT DQVVQO 'CPF "  
UGEQP F GF 'D[ 'O UTE 'O GO DGT'DTKCP 'DGT MUQP . 'WP F GT'CRRTQXCN'QH"  
EQP UGP V'ECNGP F CT'K/GO U'3'VJ TQW J '%8.'VJ G'O UTE 'WP CP KO QWUN[ "  
CRRTQXGF 'VJ G'HGDTWCT[ "43.'423; 'O GGVP I 'O R WVGU0"

"

C[ GU'DGTMUQP.'MK/QY UMK'UCJ NKY GGNU.'TQ[ DCN'UCNVCTGNNK"  
 Y R VGT DQVVQO.'O EECNNQP 0"  
 P QGU'P QP G0'

CEVQKP <Uchh'y knlpenwf g'y g'Hgdtwct { "43."423; "o kpwgu'k'j g'O UTE'Ego o kwegg'Tgr qtv'ht"  
 yj g'O c { "5."423; "UECS O F'Dqctf "o ggkpi ."cpf "r meg"c"eqr { "qp"yj g'O UTE'au'y gduk0"

## **Agenda Item #2 – Summary of Final Report by MSRC Contractors**

Vj g'O UTE'tgegkxgf "cpf "cr r tqxgf "c'hkpcnt'gr qtv'uwo o ct { "j ku'o qpj . "cu'hqmqy u<

- Y cipw'Xcmg { "Wpkhgf "Uej qqn'F knt'ev.'Eqptcew' %O U382; 9'y j lej "r tqxkf gf "&472.222"vq"  
 gzc'cpf "EPI "ucv'kq" ( "o qf kh { "o clp'vgpcpeg'hcekx { 0'

QP "O QVQKP "D[ "O UTE "XKEG'EJ CKT "I TGI "Y R VGT DQVVQO "CP F "UGEQP F GF "  
 D[ "O UTE "O GO DGT "DTKCP "DGTMUQP ."WP F GT "CRRTQXCN "QHEQP UGP V"  
 ECNGP F CT "K/GO U %8 "VJ TQW J " %8."VJ G'O UTE "WP CP IO QWUN [ "CRRTQXGF "  
 VJ G'HR CN "TGRQTV "NKUVGF "CDQXG0'  
 C[ GU'DGTMUQP.'MK/QY UMK'UCJ NKY GGNU.'TQ[ DCN'UCNVCTGNNK"  
 Y R VGT DQVVQO.'O EECNNQP 0"  
 P QGU'P QP G0'

CEVQKP <O UTE "uchh'y knl'k'g'j g'hkpcnt'gr qtv'cpf "tgrgcug"cp { "tgv'p'kq"qp"yj g'eqptcew0""

## **Information Only - Receive and File**

## **Agenda Item #3 – MSRC Contracts Administrator's Report**

Vj g'O UTE "CD'4988 "Eqptcew' Cf o kpkntcvqt'au "Tgr qtv'ht "Hgdtwct { "4: "j tqwi j "O ctej "49."423; "  
 y cu'kpenwf gf "k"j g'ci gpf c'r cenci g0"

QP "O QVQKP "D[ "O UTE "XKEG'EJ CKT "I TGI "Y R VGT DQVVQO "CP F "  
 UGEQP F GF "D[ "O UTE "O GO DGT "DTKCP "DGTMUQP ."WP F GT "CRRTQXCN "  
 QHEQP UGP V "ECNGP F CT "K/GO U %8 "VJ TQW J " %8."VJ G'O UTE "  
 WP CP IO QWUN [ "XQVGF "VQ "TGE G K G "CP F "H K G "VJ G'EQP VTCEVU "  
 CF O R K VTCVQT'au "TGRQTV "HQT "HGDTWCT [ "4: "VJ TQW J "O CTEJ "49."  
 423; 0'  
 C[ GU'DGTMUQP.'MK/QY UMK'UCJ NKY GGNU.'TQ[ DCN'UCNVCTGNNK"  
 Y R VGT DQVVQO.'O EECNNQP 0"  
 P QGU'P QP G0'

**ACTION:** "Uchh'y knl'penwf g'y g'O UTE "Eqptcew' Cf o kpkntcvqt'au "Tgr qtv'k'j g'O UTE "  
 Ego o kwegg'Tgr qtv'ht "yj g'O c { "5."423; "UECS O F'Dqctf "o ggkpi 0'

**Agenda Item #4 – Financial Report on AB 2766 Discretionary Fund**

C'hkpcenkntgr qtv'qp'yj g'CD'4988'F kuetgkqct { 'Hwpf 'hqt'O ctej '423; 'y cu'kpenmf gf 'kp'yj g'ci gpf c" r cemi g0"

QP 'O QVQKP 'D[ 'O UTE 'XKEG'EJ C K T 'I TGI 'Y R VGT DQVVQO 'C P F "  
 UGEQP F GF 'D[ 'O UTE 'O GO DGT 'DT K C P 'DGT MUQP . 'W P F GT 'C RRT QXC N "  
 QHEQP UGP V'E C N G P F C T 'K V G O U % 8 'VJ T Q W J ' % 8 . 'VJ G 'O UTE "  
 W P C P K O Q W U N [ 'X Q V G F 'V Q 'T G E G K X G 'C P F 'H K N G 'VJ G 'H R C P E K C N "  
 T G R Q T V 'H Q T 'VJ G 'R G T K Q F 'G P F R I 'o ctej '423; 0 '  
 C [ G U < D G T M U Q P . 'M K V Q Y U M K 'U C J N K Y G N N U . 'T Q [ D C N 'U C N V C T G N N K "  
 Y R V G T D Q V V Q O . 'O E E C N N Q P 0 '  
 P Q G U < P Q P G 0 '  
 "

**ACTION:** P q'hwtyj gt'cevqp'ku'tgs wktgf 0"

**For Approval – As Recommended****Agenda Item #5 – Consider Four-Month Term Extension for the County of Los Angeles, Contract #ML14030 (\$425,000 – Bicycle Racks, Outreach & Education)**

Vj g'E qwpv { 'tgs wguw'c'hqwt/o qpvy 'vgto 'gz vgpukqp'f wg'vq'f gr { u'cuuqekcvgf 'y kj 'eqpegtpu'qxtg'yj g" i tcf g'qh'uackprgu'uvggn'wugf 'kp'yj g'qtki kpcn'gs wkr o gpv'f grkxgtgf 0'VJ G'O UTE/VCE " W P C P K O Q W U N [ 'T G E Q O O G P F U 'C R R T Q X C N 0 '  
 "

QP 'O QVQKP 'D[ 'O UTE 'XKEG'EJ C K T 'I TGI 'Y R VGT DQVVQO . 'C P F "  
 UGEQP F GF 'D[ 'O UTE 'O GO DGT 'T G Z 'T K E J C T F U Q P . 'O UTE "  
 W P C P K O Q W U N [ 'X Q V G F 'V Q 'C R R T Q X G 'VJ G 'P Q / E Q U V 'V G T O 'G Z V G P U K Q P "  
 H Q T 'VJ G 'E Q W P V [ 'Q H 'N Q U 'C P I G N G U . 'E Q P V T C E V % 0 N 3 6 2 5 2 0 '  
 C [ G U < D G P Q K V . 'O E E C N N Q P . 'T K E J C T F U Q P . 'T Q [ D C N 'U C N V C T G N N K 'X G T G U . "  
 Y R V G T D Q V V Q O 0 '  
 P Q G U < P Q P G 0 '  
 "

**ACTION:** "O UTE 'Uchh'y kn'co gpf 'yj g'cdqyg'eqptcev'ceeqt f kpi n{ 0'

**Agenda Item #6 – Consider Eighteen-Month Term Extension for the City of Moreno Valley, Contract #ML16041 (\$20,000 – Install EV Charging Stations)**

Vj g'E k { 'tgs wguw'cp'gki j vggp/o qpvy 'gz vgpukqp'f wg'vq'c'r tqr qugf 'uy kej 'qh'qpg'qh'yj g'mqecvqpu'vq" dgeqo g'r ctv'qh'c'rti gt'r tqlgv'kpenmf kpi 'uqrct'ectr qtv'wtwewtgu'cv'ku'E k { 'J cmi'Cppgz 'Dwkrf kpi " r ctnkpi 'mqw'VJ G'O UTE/VCE 'W P C P K O Q W U N [ 'T G E Q O O G P F U 'C R R T Q X C N 0 "  
 "

QP 'O QVQKP 'D[ 'O UTE 'XKEG'EJ C K T 'I TGI 'Y R VGT DQVVQO . 'C P F "  
 UGEQP F GF 'D[ 'O UTE 'O GO DGT 'T G Z 'T K E J C T F U Q P . 'O UTE "  
 W P C P K O Q W U N [ 'X Q V G F 'V Q 'C R R T Q X G 'VJ G 'P Q / E Q U V 'V G T O 'G Z V G P U K Q P "  
 H Q T 'VJ G 'E K V [ 'Q H 'O Q T G P Q 'X C N N G [ . 'E Q P V T C E V % 0 N 3 8 2 6 3 0 '  
 "

C[ GU'DGP QKV.'O EECNNQP.'TÆJ CTF UQP.'TQ[ DCN'UCNVCTGNNK'XGTGU."  
 Y R VGT DQVVQO 0'  
 P QGU'P QP G0'  
 "

**ACTION:**"O UTE'Uchh'y kn'co gpf 'y g'cdqyg'eqptcev'ceeqt f kpi n{0'

**Agenda Item #7 – Consider Reduced Scope and Value by City of Paramount, Contract #ML18053 (\$72,580 – Install EV Charging Stations)**

Vj g'Ekv{ 'y cu'cy ctf gf 'hwpf kpi 'q'kpucm'vy q'r wdrke/ceegui'cpf 'y tgg'hko kgf/ceegui'GX'ej cti kpi "  
 ucvkpu0"Vj g{ 'j cxg'gpeqwpvgf 'j ki j gt 'y cp'cpvkr cvgf 'equu'cuuqekcvf 'y kj 'gputkpi 'Co gtlecpu"  
 y kj 'F lucdkkkgu'Cev'eqo r rkcpeg'hqt'yj g'vy q'ucvkpu'q'dg'kpucmgf 'qp'yj gk'r tqr gt vku0"Vj g'Ekv{ "  
 tgs wguu'q'tgf weg'yj g'pwo dgt 'qh'ucvkpu'q'dg'kpucmgf 'htqo 'hkg'q'yj tgg.'qh'y j kej 'cm'yj tgg"  
 y qwf 'pqy 'dg'r wdrke{ 'ceeguukdg.'y kj 'c'eqttgur qpf kpi 'eqptcev'xcnwg'tgf wevkp'htqo '&94.7: 2'vq"  
 &86.8970"VJ G'O UTE/VCE'WP CP KO QWUN[ 'TGEQO O GP F U'CRRTQXCNO"  
 "

QP'O QVQKP'D[ 'O UTE'XÆG/EJ C K'I TGI 'Y R VGT DQVVQO.'CP F "  
 UGEQP F GF'D[ 'O UTE'O GO DGT'TGZ'TÆJ CTF UQP.'O UTE"  
 WP CP KO QWUN[ 'XQVGF 'VQ'CRRTQXG'VJ G'UEQRG'CP F 'EQP VTCEV"  
 XCNWG'TGF WEVKP 0'  
 C[ GU'DGP QKV.'O EECNNQP.'TÆJ CTF UQP.'TQ[ DCN'UCNVCTGNNK'XGTGU."  
 Y R VGT DQVVQO 0'  
 P QGU'P QP G0'  
 "

**ACTION:**"O UTE'Uchh'y kn'co gpf 'y g'cdqyg'eqptcev'ceeqt f kpi n{0'

"

**Agenda Item #8 – Consider Contract Replacement for the County of Los Angeles, Contract #ML14060 (\$104,400 – Install EV Charging Stations)**

"

F wg'q'yj g'gzr ktcvkp'qh'yj g'Eqwpv{ø'r tkqt'eqptcev.'y g'Eqwpv{ 'tgs wguu'c'eqptcev'tgr ncego gpv'q"  
 eqo r ngvg'yj g'ueqr g'qh'y qtnihqt'yj ku'r tqlgex0"VJ G'O UTE/VCE'WP CP KO QWUN[ "  
 TGEQO O GP F U'CRRTQXCN.  
 "

QP'O QVQKP'D[ 'O UTE'XÆG/EJ C K'I TGI 'Y R VGT DQVVQO.'CP F "  
 UGEQP F GF'D[ 'O UTE'O GO DGT'TGZ'TÆJ CTF UQP.'O UTE"  
 WP CP KO QWUN[ 'XQVGF 'VQ'CRRTQXG'VJ G'EQP VTCEV'TGRNCEGO GP V"  
 HQT'VJ G'EQWP V[ 'QH'NQU'CP I GNGU.'EQP VTCEV'%O N362820'  
 C[ GU'DGP QKV.'O EECNNQP.'TÆJ CTF UQP.'TQ[ DCN'UCNVCTGNNK'XGTGU."  
 Y R VGT DQVVQO 0'  
 P QGU'P QP G0'  
 "

**ACTION:**"Vj ku'kgo 'y kn'dg'eqpukf gtgf 'd{ 'y g'UECS O F'Dqctf 'cv'ku'O ctej '3.'423; 'o ggkpi 0'

**Agenda Item #9 – Consider Contract Replacement for the County of Los Angeles, Contract #ML14093 (\$150,000 – San Gabriel Bike Trail Underpass Improvements)**

F wg'v'j g'gzr kcvkp'qh'y g'Eqwpv{ø'r tkt'eqptcev.'j g'Eqwpv{ 'tgs wguu'c'eqptcev'tgr nēgo gpv'v'q" eqo r ngv'j g'ueqr g'qh'y qtnlht'j ku'r tqlgev0"VJ G'O UTE/VCE "WP CP KO QWUN[ " TGEQO O GP F U'CRRTQXCNO""

"

QP 'O QVQKP 'D[ 'O UTE 'XÆG/EJ C K'I TGI 'Y R VGT DQVVQO . 'CPF " UGEQP F GF 'D[ 'O UTE 'O GO DGT 'TGZ 'TÆJ CTF UQP . 'O UTE " WP CP KO QWUN[ 'XQVGF 'VQ 'CRRTQXG'VJ G'EQP VTCEV'TGRNCEGO GP V" HQT'EQWP V[ 'QHNQU'CP I GNGU.'EQP VTCEV"%O N362; 50' C[ GU'DGP QKV.'O EECNNQP . 'TÆJ CTF UQP . 'TQ[ DCN'UCNVCTGNNK'XGTGU." Y R VGT DQVVQO 0' P QGU'P QP G0'

"

**ACTION:**"Vj ku'kgo 'y kn'dg'eqpuf gtgf 'd{ 'j g'UECS O F 'Dqctf 'cv'ku'O ctej '3."423; 'o ggkpi 0'

"

"

]O UTE 'Cngtpcv' Dtkp 'Dgtmqp'cttkxgf 'cv'4-28'r 0 0"

"

"

**ACTION CALENDAR (Items 10 through 12)**

**FYs 2016-18 WORK PROGRAM**

"

**Agenda Item #10 – Consider Recommendations from MSRC-TAC for New FYs 2018-21 Work Program Concepts**

Tc{ 'I qtunk 'O UTE 'Vgej pkecl' Cf xkuqt. 'tgr qtvgf 'j cv'cv'j g'ruv'o ggkpi 'j g'O UTE "cr r tqxgf "c" j tgg/{ gct 'Y qtnlRtqi tco 'y kj "c'xcnwg'qh'88604'o knkp'hqt'H[ u'423: /430'H[ '423: "eqo o gpegf "qp" Lwn'3."423: 0Vj g'O UTE/VCE 'y cu'i kxgp'j g'vcun'v' dtkpi "dcenlqr vkpu'tgr vlxg'v'c'xti g'uecng." tgi kqpcml' 'uki ptkcpv'r tqi tco 0Vj g'88604'o knkp'y kn'dg'cmqecvgf 'j tqwi j 'j ku'r tqi tco "cu'y gm'cu" j g'r qvgpvcn'eqpvcv'kp'qh'Y qtnlRtqi tco "grgo gpw'y j kej 'j cxg'dggp'ko r ngo gpvgf 'r tgxkqwn{ 'd{ " j g'O UTE0'Hkpcml'.'j gtg'ku'cnuq'j g'r qvgpvcn'ht'pgy 'ewtgpv{ 'wplf gpv'kxgf 'Y qtnlRtqi tco " grgo gpw'v'q'dg'kpenmf gf 'y kj kp'j cv'qxtcm'dwfi g0Vj g'VCE 'y cu'vcungf 'v'f gxgnr 'r tqi tco " qr vkpu'j cv'j g'O UTE 'eqwf 'vcng'j g'rgcf 'kp'ko r ngo gpv'pi . 'kf gpv'kxgf 'gz vgtpcn'hwf kpi " qr r qtwpkkgu'cpf 'r ctvgtuj k u'y j kej "eqwf 'dg'hqti gf . 'cpf 'v'f gxgnr 'cp'cev'kp'r rcp0Vj g'VCE 'j cu' dggp'xgt { 'j ctf 'cv'y qtnlqxt'j g'ruv'hw' y ggm. 'y kj 'ugxgcn'j qwu'qh'j qwi j vhwlf gkdgtcv'kp'cv' j g'uwdeqo o kvgg'cpf 'eqo o kvgg'rgxgr0Vj g{ 'f gdcvgf 'j g'r qvgpvcn'qr vkpu'j cv'eqwf 'dg'kpenmf gf " wpf gt'c'tgi kpcn'r tqi tco 0Wpf gt'Ci gpf c'Kgo '%34'j gtg'ku'c'tgeqo o gpf cv'kp'hqt'j g'eqpvcv'kp'qh'c'r tgxkqwn{ 'ko r ngo gpvgf 'Y qtnlRtqi tco "ecvgi qt { . 'j g'O clqt 'Gxgpv'Egpvt 'Vtcur qtcv'kp' Rtqi tco 0Y g'cnuq'gpi ci gf 'j g'Qwtgcej 'Eqqt f kpcvt'cpf 'j g{ 'ctg'tgcf { 'v'j k'j g'i tqwpf 'twppkpi " cv'j g'f kgevkp'qh'j g'O UTE0"

"

Vj gtg'ctg'j tgg'Tgi kpcn'Rtqi tco "eqpegr w'v'q'r tgu'p'v'q'{'q'w'v'f c{0"Vy q'qh'j go 'y gtg'kf gpv'kxgf " cv'j g'O UTE "o ggkpi 'ruv'o qpj 0Vj g'ku'v'ku'c'Tgi kpcn'I qqf u'O qxgo gpv'Ergcp'Eqtktf qt" Rtqi tco 0Vj g'ng{ 'grgo gpw'y qwf 'dg'j g'f gr m{ o gpv'qh' gtq'cpf 'pgct' gtq'go knkp'xgj kengu'cv' cpf 'dgvy ggp'j g'Rqt w/ v'j g'r qtu'qh'gpt { 'cpf 'j g'krcpf 'r qtu. 'y j kej 'ctg'j g'y ctgj qwug"

f kntkdwkqp'egpvtu.'y j lej 'ctg'r tko ctkn' 'mcevgf 'y kj kp'vj g'krcpf 'Go r ktg0Vj ku'y qwf 'gpvckn'vj g' f go qpwtcvkqp'qh' gtq'go kuukqp'htgi j v'gej pqm q'ku'cu'y g'm'cu'y g'gzc pukqp'qh'eqo o gtekm' " cxckrdng'pcwtcn' cu'twem0K'y qwf 'kpenf g'dqj 'lphcutwewtg'cu'y g'm'cu'y g'xgj kergu.'cpf 'k' y qwf 'j cxg'o wnr ng'r ctvpgtu'kpenf kpi 'vj g'Rqtu'vj g'tgi wrcvt { 'ci gpekgu'wej 'cu'vj g'Ecnhtqtpk' Ckt'Tguqwtegu'Dqctf 'cpf 'vj g'Ecnhtqtpk'Gpgti { 'Eqo o kuukqp//y j lej 'y g'xkgy 'cu'r qvgpvckn'hwf kpi " r ctvpgtu'klegpugf 'o qvt'ecttkgtu.'vj qug'vj cv'o qxg'vj g'eqpvckpgtu'dgw ggp'vj g'r qtu'qh'gpt { 'cpf 'vj g' krcpf 'r qtu'f kntkdwkqp'egpvtu.'y j lej 'ctg'mcevgf 'qwl'kp'vj g'krcpf 'Go r ktg=cpf 'vj g'lphcutwewtg' r tqxkf gtu.'cu'y g'm'cu'y g'Qwtgcej 'Eqqtf kpcvt.'q'j gr 'hckkvcg'j cxkpi 'vj ku'v'r g'qh'c'r tqi tco 'r w' vqi gj gt0"

Vj tgg'tgrvkg'tcpnkpi 'cwtkdwgu'ht'gcej 'qr vqp'ctg'\*3+'vj g'eqo r ngzk'={\*4+'vj g'ko gkpg'vq" ko r ngo gpv'cpf '\*5+'vq'y j cvf gi tgg'k'wrr qtu'vj g'Uqwj 'Eqcu'Vkt'S wckv' 'O cpci go gpv'F kntkdw' Ckt'S wckv' 'O cpci go gpv'Rrcp'\*CS O R+'y j lej 'y cu'cf qr vgf 'd { 'vj g'UECS O F 'I qxgtkpi 'Dqctf " dcm'kp'4238/42390Vj g'tgcuqp'Kco 'uwi i gukpi 'vj cv'vj g'Tgi kpcn'I qqf u'O qxgo gpv'Rtqi tco " y qwf 'j cxg'c'tgrvkg' { 'j ki j 'ngxgn'qh'eqo r ngzk' 'ku'uko r n' 'vj g'pwo dgt'qh'r qvgpvckn' ctvpgtu'y j lej " y qwf 'dg'kpxkngf 'kp'c'r tqi tco 'hng'vj ku'Y g'j cxg'tgrvkg'puj k'u'y kj 'cm'vj g'gpvcku'vj g'Uqwj " Eqcu'CS O F 'j cu'uki plhcepv'tgrvkg'puj k'u'y kj 'cm'vj g'gpvcku'0K'u'uko r n' 'c'o cwtg'qh'dtkpi kpi 'cm' vj g'r n' { gtu'vq'vj g'cdng0K'y qwf 'cng'uqo g'ko g'dw'ku'egtckpn' 'f qcdng0Vj g'ko gkpg'vq" ko r ngo gpv'y qwf 'dg'j ki j 'cpf 'vj gtg'ctg'c'eqw ng'qh'ng { 'tgcuppu'0'kphcutwewtg'j cu'c'mpi 'ngcf 'ko g' cpf 'vj cv'ku'y j gj gt'ku'c'pcwtcn' cu'tghwngkpi 'ucv'kqp.'j { f tqi gp'tghwngkpi 'ucv'kqp'qt'gxgp'c'uko r ng' grngv'le'xgj kerg'ej cti kpi 'ucv'kqp0K'cm'v'r kcm' { 'j cu'vq'i q'vj tqwi j 'c'r wdke'r tqeguu.'r gto kwpki . " kpur gev'kqp.'gve'Y g'pggf 'vq'tgeqi pl'g'vj cv'y kj 'c'eqo o ko gpv'vq'c { 'vq'ko r ngo gpv'c'r tqi tco 'hng' vj ku.'vj g'tguwn'y qp'v'dg'uggp'y kj kp'ukz'o qp'v u0Hkpcmf.'y g'i gv'vq'j qy 'vj ku'wrr qtu'vj g' UECS O F 'u'i qcu'cu'ctvewrcv'f 'kp'vj g'CS O R0Vj g'CS O R'j cu'cu'ku'r tko ct { 'qdlgev'xg'vj g' kpetgcug'kp'vj g'pwo dgt'qh' gtq'cpf 'pgct' gtq'go kuukqp'xgj kergu'y j lej 'ctg'f gr n' { gf 'y kj kp'vj g' Uqwj 'Eqcu'v'tgi kqp.'gur gekm' { 'vj qug'y j lej 'ctg'wugf 'kp'vj g'xqecv'kqp'qh'i qqf u'o qxgo gpv'Uq.'vj ku'ku' tgem' 'f kgev' 'kp'wrr qtu'v'qh'vj g'CS O R'i qcu'0"

Eqpegr v'%'ku'y j cv'y g'm'ecm'vj g'GX'Tgcf { 'Grngv'le'Uej qqn'Dwu'Rtqi tco 0K'y qwf 'dg'c'r tqi tco 'vq' j gr 'uej qqn'f kntkew'r tgr ctg'ht'vj g'eqo kpi 'qh' gtq'go kuukqp'uej qqn'dwugu0K'y qwf 'j cxg'c'r tko ct { " hqewu'qp'gf wecv'kqp'cpf 'c'ugeqpf ct { 'hqewu'qp'lphcutwewtg0K'cnu'j cu'vj g'r qvgpvckn'vq'kpenf g' xgj kerg'f gr n' { o gpw'dgecvug'y g'f q'j cxg'grngv'le'uej qqn'dwugu'eqo o gtekm' 'gpvgtkpi 'vj g' o ctngv' rceg0Htqo 'c'eqo r ngzk' { 'ucpfr qkp'v'vj ku'y qwf 'j cxg'o kf f ng'qh'vj g/tqcf 'eqo r ngzk'0Y g' j cxg'c'i qqf 'kf gc'y j q'vj g'uej qqn'f kntkew'ctg0Vj g { 'cm'qr gtcv'kp'c'uqo gy j cv'uko knt'o cpggt0Vj g' f gr n' { o gpv'qh' gtq'go kuukqp'xgj kergu'ku'cdunwgn' 'kp'nggr kpi 'y kj 'vj g'CS O R0Dw'vj g'xgj kergu' vj cv'vj g { 'y kn'r tko ctkn' 'f kur rceg'ctg'ctgcf { 'pcwtcn' cu'dwugu0' qwtg'f kur rckpi 'cp'gz kwpki " cngt'pcv'xg'hwgn'uqnw'kqp'y kj 'c' gtq/go kuukqp'uqnw'kqp0'Y j krg'vj gtg'ku'cp'kpetgo gpv'cn'ck'ts wckv' " ko r tqxgo gpv'ku'pqv'i qkpi 'vq'dg'cu'i tgc'v'cu'kh' { qwtgr rceg'cp'gz kwpki 'f kgugn'tcevt 'vj cv'u' qr gtcv'kpi 'dgw ggp'vj g'Rqtv'cpf 'vj g'krcpf 'r qtu'0"

Eqpegr v'%'ku'uqo gy j cv'uko knt.'dw'k'y qwf 'cng'cr r tqcej 'v%'cpf 'gzc rcpf 'k'vq'eqo o wpkkgu' vj tqwi j qw'vj g'Uqwj 'Eqcu'v'tgi kqp0Vj ku'y qwf 'dg'y j cv'y g'y qwf 'ecm'GX'Tgcf { 'Eqo o wpkkgu'0K' y qwf 'j cxg'ugxgtcn'qh'vj g'uco g'grgo gpw.'kp'vj cv'k'y qwf 'hqewu'qp'gf wecv'kqp'cpf 'vj g'f gr n' { o gpv' grngv'le'xgj kerg'lphcutwewtg'vq'r tgr ctg'ht'c'mti gt'pwo dgt'qh'grngv'le'xgj kergu'vq'dg'eqo kpi " y kj kp'vj g'pgz'v'ugxgtcn' { gtu'0Vj gtg'u'cp'qr r qtwpk' { 'vq'r ctvpgt'y kj 'mecn' qxgtpo gpw'cu'y g'xg' f qp'g'wpf gt'r tgxkqwn' 'ko r ngo gpv'f 'Nqecn'I qxgtpo gpv'Rtqi tco u.'cu'y g'm'cu'ugxgtci g'vq'j gt' grngv'le'xgj kerg'wrr n' { 'gs wkr o gpv'tgxgpwg'utgco u'y j lej 'ctg'dgkpi 'o cf g'cxckrdng'vj tqwi j 'qv'j gt' ci gpekgu'0Htqo 'c'eqo r ngzk' { 'ucpfr qkp'v'k'y qwf 'pqv'dg'tgem' { 'gcu' { 'vq'y qtm'y kj 'vj cv'o cp { "

lwtkuf levkpu0Y g'j cxcg'384'lwtkuf levkpu'y kj kp'vj g'Uqwj 'Eqcuvtgi kqp0Vj g'vko grkpg'vq'ko r ngo gpv' y qwf 'dg'r tgvw' 'o wej 'vj g'uco g'cu'vj g'qvj gt'r tqi tco u.'vj kpi u'f q'vcng'vko g'cpf 'vj gtg'y qwf 'dg'cp' kphcutwewt g'grgo gpv'y j lej 'y qwf 'tgs vkt g'qpi 'rgcf 'vko gu0J qy 'f qgu'vj ku'wrr qt v'vj g'UECS O F X' CS O R' i qcuA'Ku'uqo gy j cv'kp'vj g'o kf f r g0Y j krg'vj ku'y qwf 'egt vclpn' 'dg'o qxkpi 'vj g'dct'vqy ctf u' j cxkpi 'i tgcvt'pwo dgtu'qh' gtq'go kuukqp'xgj kengu.'vj g'v' r gu'qh'xgj kengu'y j lej 'y qwf 'r tqdcdn' 'dg' wkrk' kpi 'vj ku'kphcutwewt g'y qwf 'dg'rk' j v'f w' 'xgj kengu'0Nk' j v'f w' 'xgj kengu'f qp0'j cxcg'vj g'uco g' go kuukpu'ko r cev'eqo r ctgf 'vq'vj g'vqr 'ecvgi qtkgu'cu'vj g' { } g'v'k' 'qww'y kj kp'vj g'CS O R0Vj qug' kpenf g'f kgug'qp'tqcf 'twemu.'f kgug'qh' tqcf 'gs vkr o gpv'cpf 'o ct kpg'xguug'0Vj ku'Eqpegr v'wrr qt w' vj g'r tqrkhtcvkqp'qh'cf f kkpqn' GXu.'dw'k'ku'pqv'cti g'kpi 'vj g'uqweg'ecvgi qtkgu'vj cv'j cxcg'dggp' kf gpv'k'gf 'cu'vj g'ng' { } 'hqt'cej kxkpi 'ergcp'ck'd { } '4245'cpf '42530' "

Vj gug'Eqpegr w'cm'j cxcg'eqo o qp'vj go gu0'Vj gtg'u'c'pggf 'vq'rgxgtci g'O UTE 'hwpf u'dgecwug'vj gug' y qwf 'dg'grr gpukg'r tqi tco u'vq'w'pf gtvcng.'cpf 'y g'hgn'vj cv'kh'vj gtg'u'gxgt'c'vko g'vq'i q'qww'cpf " uggm'cf f kkpqn'o qplgu.'vj cv'vko g'ku'pqy 0Vj cv'u'dgecwug'qh'vj g'ghqt w'y j lej 'ctg'dgkpi 'r w'hqt vj 'd { } 'vj g'Ucvg'qh'Ecnhtqpk'vj tqwi j 'ugxgtcn'r tqi tco u'kpenf kpi 'vj qug'w'pf gt'vj g'cf o kpxtvcvqp'qh'vj g' Ckt'Tguqwegu'Dqctf.'Ecnhtqpk'Gpgti { } 'Eqo o kuukqp.'EcnUVC.'gve0Vj g'r tqi tco 'y qwf 'pggf 'vq' wkrk' g'tguqwegu'qh'gtgf 'd { } 'vj g'UECS O F =vj g'O UTE 'ku'pqv'c'rgi cn'gpv'k'.'vj gtghqt g'vj g' { } 'ecp'v' uwd o k'c'r tqr qucn'vq'vj g'Ckt'Tguqwegu'Dqctf 'vq'i gv'hwf kpi . 'cpf 'uqo gqpg'y qwf 'j cxcg'vq'f q'vj cv' qp'qwt'dgj cr0Vj g'vj qxgn'tgcf { } 'r tqlgew'y kn'r tqdcdn' 'dg'j cr r gpkpi 'kp'4243'qt'o c { } dg'c'rkwg'rcvt' dgecwug'vj g' { } 'f q'vcng'vko g'vq'i q'vj tqwi j 'vj g'tgi wrct'r wdrk'r tqeguu0Vj gtg'u'cnuq'c'dcenm' 'ewttgpw' hqt'uqo g'qh'vj g'vgej pqm' kgu'y j lej 'y g'y qwf 'y cpv'vq'f go qpwtcvg.'hqt'gzco r rg'vj g'pgy 'pgct' gtq' 330 'rkgt'Ewo o kpu'gpi kpg0'Ku'dgeqo kpi 'xgt { } 'r qr wrct'cpf 'vj gtg'u'ewttgpw'c'f gr { } 'kp'ces vkt kpi " vj qug'gpi kpgu'kh' { } qwr w' { } qwt'qtf gt'vqf c { } 0' gtq'go kuukqp'vgej pqm' kgu'cny c { } u'j cxcg'c'qpi 'rgcf 0'kp' tgrk' { } . 'ku'pq'f khtgpv'vj cp'cp { } 'r tqi tco 'vj cv'vj g'O UTE 'w'pf gtvcngu0'K' { } qw'hqnm'cv'vj g'vko grkpgu'qh' eqp'tcev'uej gf wgu.'dgw ggp'vj g'vko g'uqo gqpg'i gu'cp'cy ctf 'htqo 'vj g'O UTE 'vq'vj g'vko g'vj g' { } 'cewcm' { } 'kpu'cm'vj cvEPI 'tghw'kpi 'ucv'kqp.'qt'ces vkt g'vj cv'tcpuk'dwu.'qt'vj g' { } 'i gv'vj cv'GX'ej cti gt' kp.'k'ku'pqv'j cr r gpkpi 'y kj kp'ukz'o qp'vj u0'Ku'j cr r gpkpi 'y kj kp'vj g'vko g'htco gu'y g'v'v'cm'kpi 'cdqww' hqt'vj gug'Tgi kqpn'Rtqi tco u0' "

Vj g'O UTE 'cnuq'ej cti gf 'vj g'VCE'vq'mqnm'cv'cf f kkpqn'Y qtniRtqi tco 'Ecvgi qtkgu'0'Vj g'VCE'j cu' cp'Gxgpv'Egpvt'Uwdeqo o kvgg'vj cv'u'kp'r tqi tguu0Y j cv'y g'y qwf 'rkng'ku.'cv'vj g'gctrkgu' eqpxgpkpeg'qh'vj g'O UTE.'vq'qdv'kpu'qo g'i vkt cpeg'cpf 'f k'gevkqp'cu'j qy " { } qw'y qwf 'rkng'wu'vq' eqpv'kpw'vq'r tqeggf 0' qw'f qp'v'pgegu'ctk' { } j cxcg'vq'r keniqpn' { } qp'g'r tqi tco 0'K'vj gtg'y cu'o qtg'vj cp' qp'g'r tqi tco 'vj cv' { } qw'j cf 'cp'kp'vgtgu'v'kpi.'y g'eqwf 'egt vclpn' 'r w'qwt'ghqt v'vq'y qtni'qp'vj g'r tko ct { } 'r tqi tco 0'Dw'dgecwug'qh'vj g'vko grkpgu'y g'v'v'cm'kpi 'cdqww'y g'eqwf 'cnuq'w'ctv'r rcp'kpi 'cpf " i cv'j g'kpi 'kphqto cvkqp'hqt'vj g'hqmy /qp'r tqi tco . 'y j lej 'eqwf 'dg'ko r ngo gpv'gf 'kp'c'eqw'rg'qh' { } gctu0Cpf 'y g'v'v'c'rtgcf { } j cf 'o ggwpi u'y kj 'vj g'Dgwt'Y qtrf 'I tqw' 'Cf xkuqtu.' { } qwt'Qwtgcej " Eqqtf kpcvt0'W'pf gt'Ci gpf c'Kgo 'v'33'vj g' { } xg'r w'vqi g'vj gt'y j cv'vj gk'kp'v'kpu'cpf 'r rpu'ctg.'cpf " vj g'equu'cuu'ekcv'gf 'y kj 'vj cv0'Vj g' { } g'gpi ci gf 'cpf 'tgc'f { } 'vq'j k'vj g'i tqw'f 'twppkpi 0' "

O UTE 'Ej ck'Nctt { } 'O eEcm'p'eqo o gpv'gf . 'o { } 'r gtuqpn'xkgy 'ku'vj cv'vj g'Tgi kqpn'I qqf u' O qxgo gpv'Engcp'Eqt'kf qt'ku'qpg'vj cv'u'dcf n' { } 'pggf gf 0'K'rkng'k'htqo 'vj g'ucpf r qkp'vj cv'ku'hwgn' pgwt'cn'cu'qr r qugf 'vq'ej qqukpi 'qp'g'q'xgt'cp'qj gt.'cpf 'ku'uqo g'vj kpi 'vj cv'f k'gew' { } 'ch'geu'vj g'K'rcpf " Go r k'g'y j lej 'y g'ugt'xg0'K'j kpm'ku'c'r tqi tco 'vj cv'cu' { } qw'uckf . 'j cu'j ki j 'xcnwg'kp'o cp { } 'qv'gt'ctgeu' vq0Uq.'K' { } 'xgt { } 'uwr r qt'v'xg'qh'wu'o qxkpi 'kp'vj cv'f k'gevkqp'kh'vj g'tguv'qh'vj g'O UTE 'ku' "

O UTE 'Dgp'Dgpqk'eqo o gpv'gf 'K'eqo r ngv'n' { } 'ci tgg0'K' wgu'vj g'qpn' { } 'r ctv'y j gtg'K'ko ki j v'f g'xkcv'ku.' I qqf u'O qxgo gpv'cewcm' { } 'ch'geu'wu'cm'y c { } 'f qy p'vq'vj g'Rqt'v'cpf 'dcen0Vj g'ko r cev'gur gekm' { } 'kp' "



"

"

O UTE "O go dgt 'Tgz 'Tlej ctf uqp"eqo o gpwgf "T gi kqpcnRtqi tco "Eqpegr v'ð"uggo u'rkng'k'j cu" eqpugpuw'cv'j ku'cdng'cpf "Kegtckpn' "y qwf "ci tgg'j'j cv'uj qwf "dg'c'r tktk' "r tqi tco 0"Qw'UECI " eqwpvgr ctvu'tgo kpf gf "wu'j cv'UECI "j cu'j g'I q\ "qp'g'Rtqi tco u. "u'q'y g'uj qwf "eqpuk' gt'j' cv'cu'c" utcvgi {"qh'j g'r tqi tco 0K' "rkng'v'ngctp'o qtg'cu'y g'r tqi tgu'cdqww'j g'r tqegui'{"q'w'cmgf "cdqww" j qy "v'q'gpi ci g'j' qug'r ctvpgtu'cpf "u'cngj qrf gtu0"Cpf "Ky cpv'v'j'j kpn'cdqww'o c{ dg'cf f kpi "u'qo g" eqo o wpk' "x'q'egu'v'j'j cv'r tqegui'k'h'y g'g'i qkpi "v'q'dg'f gr m'kpi "tguqwtgu0Y j {"pqv'o wej "h'qewu" qp'j' g'eqo o wgt "t'ch'leAO UTE "O go dgt "Dgp "Dgpqk'tgur qpf gf "tki j v'pqy "y j gp'{"q'w'rkng'cv'c" eqo o wgt "ect. "gxgp "c"i cu/r qy gtgf "eqo o wgt "ect. "j' g'f gnc'dgy ggp'j'j cv'i cu/r qy gtgf "ect"cpf "cp" GX. "ku'pqv'j' wi g0"Y g'ecp'j'j tqy "c'rk'v'qh'o qpg{"cv'k'cpf "pqv'i gv'c'rk'v'qh'ej cpi g0Vj g'q'j' gt'j' kpi "ku" j' gtg'ctg'c'rk'v'qh'r gqr ng'q'w'v'j' gtg'tki j v'pqy "f qkpi "k'q'p'j' gt'qy p0Y j cv'y g'ctg'p'v'uggkpi. "q'j' gt" j' cp'xgt {"h'gy "f go qp'utcv'qp'r tq'lgewu "ku'gr'ev't'le'cv'qp'qt' t'gcm' "engcp'pcw'ctn' cu'twemu'kp" swcp'k'v'0"K'j' g'ecp'j' gr "r wuj "j' cv'w' "qxgt'j'j g'j' wo r. "v'q'i gv'k'tqmkpi "qp'ku'qy p. "K'y kpn'j'j cv'u'j'j g" h'qewu00 t0Tlej ctf uqp'tgur qpf u'j' cv'o cng'u'ugpug. "j' g'j' ki j gt'ko r cev'j' ku'ku'j' g'ctgc'j' cv'pggf u" o qtg'h'qewu0K'y kpn'j' g'pggf "v'j' kpn'cdqww'j g'i cr u'j' cv'gzku0P qv'o cp{"r gqr ng'ecp'ch'qtf "j' g" gr'ev't'le'x'gj keng0GX't'gcf kpguu'ku'pqv't'gcm' "u'qo gv'j' kpi "j' cr r gpkpi "kp'eqo o wpk'gu'j' cv'ctg'v'r k'ecm' " v'cf k'k'qpcn' "ko r cev'f "d{"gp'x'kt'qpo gp'w'n'r tqdrgo u'dgecwug'j' gtg'u'p'qv'c'k'p'ek'n't'gcn'k' "qt" geqp'qo k'e't'gcn'k'0Y j cv'ku't'gcn'k'q'j' qug'eqo o wpk'gu'ctg'eqo o wpk' "eqngi gu. "y qtn'k'qteg. "y j gv'j' gt" y j gtg'j' gtg'u'c'f gpuk' "qh'l'qdu'v'j' qug'ctg't'gcn'cpf "c'rk'v'qh'ko gu'j' g{"eqwp'v'qp'r w'k'le" v'cpur qt'cv'k'p'0Vj gtg'ku'uki p'h'ecp'v'y qtn'k'p'engcp'kpi "w' "j' qug'dwu't'q'w'gu'cpf "v'ckpu. "u'q'y j gtg'ctg" j' g'i cr u'AY j gtg'ctg'j' g'ctgcu'j' cv'j' g'ku'v'o k'g'v'gej pqm'j' k'gu'ctg'u'w'n'pqv'o ggv'kpi A'K'y cu'g'zek'kpi " v'q'j' gct'cdqww'ku'v'o k'g'v'gej pqm'j' k'gu'u'wej "cu'd'k'ng'uj ctg'cpf "ueqqv'gtu0Vj g'o clqtk' "qh'j' go "y gtg" f gr m'k' gf "qp'c'o ctng'v'd'cu'gf "o qf gn'pqv'cp'gs w'k' "d'cu'gf "o qf gr0Vj g{"y gp'v'v'N'qpi "D'gej //j' gtg'u"

dkngu'ctg'gxgt {y j gtg. "cpf 'kp'f qy pvy p'Nqpi "Dgcej 'y j gtg'ctg'ueqqvgtu0Y j gtg'y j g'Dnwg'Nkpg'ku.'k'  
o cngu'c'iqv'qh'ugpug. 'dw'pqy kpi 'kp'y j g'ctgcu'y cv'ctg'pqv'cf lcegpv'q'y j g'Dnwg'Nkpg0O quv'qh'y j g"  
r tqi tco u'j cxxg'pq'gs wkv' 'tgs wktgo gpw0Uq. "eqwrf 'y j g'y kpmicdqw'c'r tqi tco 'y j gtg'y j g'iqmiv'c"  
eqmcdqtcvkqp'dgy ggp'tcpuk'ci gpekgu'cpf "geqpqo le'kpukwkwqpu'q'uc { . 'kh' { qw'utgco nkp' { qwt'dwu"  
tqwg'u'q'i gvr gqr ng'q'eqmgi g'hcugt'cpf 'k'u'grgestle'y gmlj grr " { qw'gxcnw'v'y j g'r tqeguu'cpf "  
utgco nkp'kA'Vj gtg'u'dggp'cpcn'uku'cetquu'NC "Eqwv' 'cdqw'y j g'g'ctgcu'y j gtg'k'u'f k'hkewu'q"  
ceeguu'y qtnhqtg'gf wecvkqp'egpvtu'hqt'cf wnu. 'y j lej 'guugpv'kcm' "eqpv'kdwgu'q'iqy 'gf wecvkqpcn'  
cvclo gpv'cpf 'y j g'pggf 'hqt'c'ect0K' "qp'dqctf 'y kj 'Eqpegr v'%. "cdunwgn'0Dw'kh'y g'xg'y j kpnkpi "  
cdqw'cpvy gt'r tqi tco 'hqt'ncvt. 'y j g' cxxg'q'v'cmicdqw'o ggwpi 'uqo g'qh'y j g'i cr u'kp'y j g'ncu'o kq"  
uw00 t0I qtunk'tgr rkgf "cdunwgn'. 'y j g'ecp'f'q'y j cv0O quv'qh'y j g'dki i gt'eqpwtwekqp'eqo r cplgu"  
npqy 'j qy 'q'gpi ci g'y kj 'y j g'r tqi tco u'q'i g'v'y j g'tgdcv'u'qp'y j g'twemu0Y j q'u'pqv'gpi ci kpi 'y qug"  
r tqi tco u'ctg'y j g'uo cm'twenkpi 'eqo r cplgu'cpf "o kpqtk' / qy pgf 'dwukpguug' / ukpi ng' i w' u'0Vj g' { 'ctg'  
pqv'eqo r n' kpi 'y kj 'c'iqv'qh'y kpi u. 'y j g' { g'r ctnkpi 'kp'qwt'pgki j dqtj qqf u. 'ukm'i qkpi 'j gtg'q'y j gtg0'  
Vj g' { 'f qp'j' cxxg'hwgn'r tqi tco u'0Vj g' { g'dw' kpi 'hwgn'cv'y j g'tweniuvr u. 'y j lej 'j cxxg'y j g'j ki j gu'v'o ctn'  
w' "qp'hwgn'0K'u'c'i co g'qh'r gppkgu'cpf 'y j g' { g'y j g'qpgu'tqmkpi 'kp'q'qwt'pgki j dqtj qqf u'cpf 'qwt"  
uej qqu0Y j gtg'y j g'ecp'kpegp'v'k' g'i gwpi 'y qug' i w' u'eqppgevgf 'q'engcpgt'hwgn'f 'twemu. 'y j gtg"  
eqwrf 'dg'o qtg'dgpgkhu'qp' y j g'i tqwfp 0'  
"

O UTE 'Cngtpevg'Dtkcp'Dgtmup'eqo o gpvgf 'Kf qp'v'npqy "gzcew' { j qy 'y j g'v'ej pqm' { j cu"  
r tqi tguugf 'w' 'q'y j ku'r qkp. 'dw'y j g'cm'ugg'f tqpgu'qwt'y j gtg'cpf 'y j g'cm'j gctf 'y j g'utqkgu'qh'Co c' q"  
uqo gf c' { 'f grxgtkpi 'r cenci gu'tki j v'q'y j g'j qwug. 'y j lej 'y j qwf 'grko kpcv'xk'wcm' 'cm'y j g'ectdqp"  
hqvr tlpw0Vj g's wguv'kp'ku. 'ku'y j ku'y j g'cr r tqr tkv'v'ko g'qt'f'q'y j g'pggf 'q'y j ck'c'hy " { gctu'q'ugg"  
j qy 'y j cv'v'ej pqm' { 'r tqi tguuguAO UTE 'Ej ck'Nctt { 'O eEcmup'tgr rkgf 'Ky qwf 'y j kpm'y j cv'u"  
r tqdcdn' 'pqv'y j kpi 'y j ku'v'ko ghtco g0'Cpf 'egtckpn' 'tki j v'pqy. 'y j gp' { qw'qtf gt'uqo g'y kpi 'htqo "  
Co c' qp. 'k'eqwrf 'dg'c'tgpv'ntweniqt'c'i w' 'kp'c'ect'ku'f grxgtkpi 'k0Vj cv'u'qpg'qh'y j g'y kpi u'y j cv'  
y j g'xg'f gcnkpi 'y j kpi 'kp'v'to u'qh'y j g'kp'f kge'v'uwtegt'wrg'y j cv'UECS O F u'v'cmkpi 'cdqw' / y j g"  
y j ctgj qwugu. 'cpf 'mqnkpi 'cv'y j g'dwukpgu'o qf gnu'cpf 'y j g'npf u'qh'v'twemu'y j cv'ctg'wugf 'kp'v'to u'qh'  
v' { kpi 'q'v'gf weg'y j g'r qmwkqp'hqvr tlpw0'  
"

O t0Dgtmup'cf f gf 'kp'qwt'ek' { 'y j g'tgegpv' { 'cr r tqxgf 'c'VC 'VtwemuUqr 0'K'y cu'c'o w'ej 'eqpvugf "  
ukwcvkqp. 'dw'qpg'qh'y j g'ng' { 'hcevtu'y j cv'Ktqwpf 'j grr hwn'q'uw r qt v'y j cv'r tqlgev'y cu'y j cv'gxgt { "  
ukpi ng'ugo k'tweniuvr qv'ku'i qkpi 'q'j' cxxg'cp'grgestle'r nwi / kp0Vj cv'ku'j wi g. 'kp'o { 'g' { gu. 'dgecwug'pqy "  
 { qwxg'v'cngp'twemu'qh'y j g'utggv'y j cv'y j g'tg'r tgxkwun' 'cm'q'xgt'qwt'ek' { 'k' r kpi 'cm'pki j v'iqpi "  
dgecwug'y j g' { 'f qp'j' cxxg'c'r meg'q'r nwi 'kp0'O c' { dg'y j g'mqmiv'uqo g'npf 'qh'c'r tqi tco 'y j cv'kpxguu"  
kp'r ctnkpi 'mqw'y j kpi 'grgestle'r nwi / kpu'uq'y j cv'y j g'y qwf 'dg'cdng'q'i g'v'uqo g'qh'y j g'g'v'twemu'q'wtp"  
qh'h'qt'ugxgtcn'j qwtu'c'f c' { 0'  
"

O UTE 'O go dgt'Tgz'Tlej ctf uqp'eqo o gpvgf 'uqo g'qh'y j g'twemu'y j cxxg'Cvzkict { 'Rqy gt'Wpku"  
\*CRWu0Cp'CRW'cmqy u'y j go 'q'wtp'qh'y j g'twenicpf 'pqv'j cxxg'q'k'f ng0K'u'c'k'wng'o cej kpg'y j cv'  
lwu'nggr u'y j g'j gcv't' i qkpi 'qt'nggr u'y j g'CE' i qkpi =k'equu'cdqw'&5.222'q'&7.222'q'r w'qp'c"  
v'twen0Kpf gr gpv'qr gtcvqtu. 'k'h'ku'pqv'dwkn'qp'y j g'twemu'y j g' { 'f qp'v'j q'tgtqhk'cpf 'y j cv'u'qpg'qh'  
y j g'dki i gu'kuwgu'kp'eqo o w'p'k'gu'uwttqwpf kpi 'v'twenkpi 0K'y j g' { j cf 'c'uko r ng'kpegp'v'xg'qh'&4.722"  
cpf 'y j g' { 'npqy 'y j gtg'y j g' { 'eqwrf 'r wni'w' 'cpf 'r w'cp'CRW'qp'y j g't'v'tweniqt'&722. 'y j g' { 'y j qwf 'kpxguv'  
kp'k0O t0Dgtmup'tgr rkgf 'y j cv'u'y j g'npf 'qh'y j kpi 'y j g'uj qwf 'dg'mqnkpi 'cv0Tc' { 'I qtunk'O UTE"  
Vgej p'ecniCf xkuqt'cf f gf 'y j g'O UTE'j cu'kp'y j g'r cu'v'hwpf gf 'cpf 'uw r qtvgf 'v'tweniuvr 'grgestle'k'ecv'kp0'  
Vj ku'ku'i qkpi 'dcen'ugxgtcn' { gctu. 'dw'k'y cu'k'v'qt'gzcew' { 'y j g'tgcuqpu' { qw'ct'v'ew'v'gf // q'cmqy "  
v'twemu'q'wtp'qh'y j g't'gpi kpgu'cpf 'ukm'qr gtcv'v'y j g't'guugpv'kcn'ugt'x'legu. 'k'p'nm' kpi 'J XCE'cpf "  
cp' { y j kpi 'gnug'kh'y j g' { g' i qkpi 'q'v'dg'y j gtg'hqt'c' nqpi 'v'ko g0Vj gtg'u'c'r tqj kdkkqp'kp'y j g'J gcnj ( "

Uchgv 'Eqf g. 'cv'ngcuv'ij g'lpvgr tgcwkp. 'ij cv'O UTE 'ku'pqv'cdng'v'wklk g'ij gk'o qplgu'v'hwf. 'hqt' gzco r ng. 'tcur qtvcwkp'tgtki gtcwkp'wpu\*VTWu0'Vj cv'uckf. 'y g'ecp'y qtnly kj 'qwt'ngi cn'uchh'v'q' f gvgto kpg'kh'ij gtg'u'c'pgzwu'dgwy ggp'ij cv'cpf 'kpetgcugf'go kuukpu'd{ 'j cxkpi 'ij cv'o qdkg'uwteg' gpi kpg'kf ng'hqt'c'mpi 'r gkqf 'qh'ko g. 'y g'ecp'v'ng'ij cv'wfp gt'eqpukf gtcwkp'v'q0'

O UTE 'O go dgt 'Dgp'Dgpqk'eqo o gpwgf 'ij ku'Eqpegr v'0'eco g'qww'qh'ij g'o kpf 'qh'F cp'l qtm'ij g' O UTE/VCE'Ej ckt0'J g'u'cp'gpi kpggt. 'cpf 'qpg'qh'ij g'eqpegr w'y g'v'cmgf 'cdqww'y cu'cv'ij qug'twem' uvqr u'rkng'{'qwt'g'tghgtkpi 'v'eqwrf 'ij gtg'dg'7'GX'Ej cti gtuAP qv'qpn' 'y qwrf'{'qwdg'grgevtkh'kpi 'ij g' F E'ij cv'twem'y qwrf 'pqv'dg'kf rkpi 0'Vj g'CRWu'ctg'o quw'f'kgugn'f'gpgtcv'qtu0'

O UTE 'O go dgt 'Ugxg'Xgtgu'eqo o gpwgf 'qp'Eqpegr v'0'. 'y g'g'dculecm' 'mqnkpi 'cv'o qxgo gpv' dgwy ggp'r qtv'cpf 'y ctgj qwug. 'ku'ij gtg'cp{'eqpxgtucwkp'cdqww'j qy 'y g'i q'htgo 'y ctgj qwug'v'q'mecnA' Knpqy 'ku'c'dki i gt'twem'v'v'ng'k'htgo 'r qtv'v'ij y ctgj qwug. 'dw'ij gp'ij gtg'u'cnu'c'uo cmgt'twem'qt' uo cmgt'f'grkxgt{'v'r g'xgj keng'ij cv'v'ng'u'kpcn'qecv'kpu0'ht'Eqpegr v'0'. 'ko 'mqnkpi 'cv'c'hwewu' r tlpekr cm' 'hqt'gf wecv'kp'kpl'cutwewt'g0'Y j cv'u'ij g'lwo r 'i qkpi 'htgo 'c'f'kgugn'dwu'v'cp'GX'cpf 'j qy' o wej 'ku'qww'ij gtg'v'f'q'kAY g'xg'f'qpg'mqu'qh'ij qtn'q'xgt'ij g'{'gtu'v'q'eqpxgt'v'q'pewtcn'f'cu0'ht'Eqpegr v'0'. 'j cxg'y g'i kxgp'cp{'ij qwi j v'qt'f'kwewu'kp'v'q'cm'ij g'tkf guj ctg'cr r u'qww'ij gtg'AY j cv' ecp'y g'f'q'y kj 'ij gug'tkf guj ctg'cr r u'cpf 'gpeqwtci kpi 'uqo g'qh'ij qug'f'kxgtu'v'f'q'v'c'engcpgt' xgj kengA'Qt'k'o c{'dg'lww'ij cv'ij g'x'kf rkpi 'ctqwpf 'pgk j dqtj qaf u'y ckkpi 0'Tc{'I qtunk'O UTE' Vgej p'ecn'cf xkuqt'tgr rkf 'uchh'ij cu'dggp'tgo ku'lp'hwewu'kpi 'v'q'o wej 'qpn' 'qp'ij g'i qaf u'o qxgo gpv' dgwy ggp'ij g'r qtv'cpf 'ij g'y ctgj qwug'f'kukdwkqp'egpv'gtu'dgecwug'ij gtg'f'ghkpgn' 'ku'cpqij gt' eqo r qpgp'0'Vj gtg'u'eqpukf gtcdr'co qwpv'qh'ij qtn'htgo 'c'v'ej p'qmi {'r gtur ge'v'xg'dgkpi 'f'qpg'qp'ij g' Encu'7'ij tqwi j '9'xgj kengu0UECS OF 'j cu'dggp'utqpi n' 'cf'xqecv'kpi 'ij g'wug'qh'ij gtq'go kuukqp' xgj kengu'lp'o cp{'ecugu'cu'r tqf weu'ctg'f'grkxgtgf 'v'q'mecn'f'gckn'qwwgw0Uq. 'ij gtg'u'f'ghkpgn' 'c' eqo r qpgp'v'ij gtg'y j lej 'y g'ecp'r wtuwg. 'lp'cf'f'kkqp'v'ij g'r qtv'qt'kpcpf 'r qtv'tqwg. 'mqnkpi 'cv'wukpi " engcp'v'ej p'qmi {'v'j' cxg'ij qug'f'qaf u'f'grkxgtgf 'htgo 'ij g'f'kukdwkqp'y ctgj qwugu'v'ij g'tg'v'ckn' qwwgw0Vj cv'cdug'wng' 'y kn'dg'uqo gj kpi 'ij cv'y g'f'qp'v'o ku'ci ckp. 'k'y kn'dg'kpen'f'gf 'lp'ij g' qxgtem'r tqi tco 'ueqr g0'Y kj 'tgi ctg'v'q'{'qwt's wgu'kp'qp'Eqpegr v'0'. 'ij g'f'khtg'peg'dgwy ggp'f'kgugn' cpf 'l' gtq'go kuukqp'dwugu. 'y j kg'ij gtg'ctg'ukm'c'iko kgf 'pwo dgt'qh'f'kgugn'uej qqn'dwugu'qr gtcv'kpi " y kj kp'ij g'Uqwj 'Eqcu'v'tgi kqp. 'ij cv'ku'c'xgt{'uo cm'pwo dgt0'Vj g'o clqtkv' 'qh'ij qug'dwugu'ctg'lp'hcev' p'qy 'pewtcn'f'cu'hwgrf'0'Vj g'egt'v'k'ecv'kpu'qh'ij g'xctk'wu'gpi kpgu'ctg'<l' gtq'go kuukqp'dwugu. 'qh' eqwtug'l' gtq'=>cpf 'ij g'pgy gu'v'ej p'qmi {'pgct'l' gtq'go kuukpu'uej qqn'dwugu'ctg'egt'v'k'gf 'v'2024' i l'j r / j t0'Kt'{'qwt'qnm'cv'c'p'p'pgct'l' gtq'dwu. 'ku'ukm'pewtcn'f'cu'cv'204'i l'j r / j t0'ewt'g'p'v'ij g' o clqtkv' 'qh'ij g'xgj kengu'ctg'qr gtcv'kpi 'cv'ij g'204'i l'j r l'j t'P Qz'hxgr0'Vj g'pgct'l' gtq'ctg'qr gtcv'kpi 'cv' ; 2'r gtegp'v'ij gt'ij cp'ij cv'cpf 'ij gp'qh'eqwtug'ij g'l' gtq'f'qgu'ij cv'kwg'gz'v'c'kpetgo gp'0'htgo 'cp' qxgtem'f'hw'v'xgpgu'u'ucpf'r qkp'v. 'ij g'r tko ct{'kuuwg'y kj 'uej qqn'dwugu'ku'qp'cp'cxgtci g'cppwcn' o k'gci g'duku. 'ij g'{'ctg'tcv'gt'iko kgf 'eqo r ctg'v'q'eqo o gtekm' 'qr gtcv'gf 'xgj kengu0'Vj g'{'f'qp'v' j cxg's wkg'ij g'tki qtqwu'f'w'f' 'e'eng0'Vj g'r tko ct{'r qkp'v'ku'ij cv'ij g'uej qqn'dwu'hwg'v'y kj kp'ij g'Uqwj " Eqcu'v'j cu'ertgcf {'v'ngp'i tgcv'utkf gu'lp'engcpkpi 'w'r 'ij gk'go kuukpu0'Vj gtg'j' cxg'dggp'j w'g' kpxguo gpw'd{'ij g'CSOF. 'ij g'O UTE. 'cpf 'ij g'Ecr'khtp'k'Gp'gti {'Eqo o kuukqp'cu'y gni'cu'ij g'CKt' Tgu'wtegu'Dqctf 'dw'kpi 'f'qy p'ij g'equ'qh'uej qqn'dwugu'cpf 'ij cv'u'dggp'i qkpi 'qp'hqt'qxgt'c' f'gecf g0'Vj g'pgz'v'kpetgo gp'v'y kn'dg'v'cpuk'kpi 'v'q'l' gtq'dw'cu'ht'cu'ij g'uqwtg'ecv'gi qt{'ku' eqpegt'pgf. 'ku'pqv'cu'et'k'ecn'eqo r ctg'f'v'q'ij g'ngu'v'tgi w'v'gf 'hwg'w'y j lej 'ctg'qr gtcv'kpi 'qr'f'gt' xgj kengu'y j lej 'qr gtcv'qp'f'kgugn'hwgr0T'g'v'xg'v'q'ij g'r tq'khtg'v'kqp'qh'Wdgtu. 'N'f'hu'cpf 'q'v'gt'ij ctg'f' t'kf'g'ugt'x'legu. 'ij cv'u'uqo gj kpi 'ij cv'ku'c'y j qng'Y qtn'htgo tco 'w'v'q'kwugn'dgecwug'ij g'gz'r'kuk'x'g'tcv'g' cv'y j lej 'ij g'{'xg'gp'v'gtgf 'ij g'o ctng'r'ceg'cpf 'ij gk'r'qr w'v'k'v'{'cpf 'ij g'v'v'c'v'xgpgu'cu'c'uwteg'qh' l'peqo g'ht'lp'f'k'kf wcu0'Vj gtg'ctg'c'm'v'qh'f'kxgtu'qww'ij gtg'cpf 'ij g'{'ctg'qtdk'kpi 'ctqwpf'ng'{'xgpgu' mqnkpi 'hqt'ij gk'pgz'v'htg0'J qy 'y g'cf'f'g'gu'ij cv'K'r'gtuqpcm'f'qp'v'hpqy 'dw'K'f'q'hpqy 'ij cv'hwmu'

rkng"qwt"Vtcur qtvcvkp"Eqo o kuukpu'kpenwpi 'NC'O gvtq.'y j lej "ugtngu"qp'yj ku'Eqo o kwgg."ctg"  
 mqnmki 'xgt {'utqpi n{'cv'y ku'Y j cv'ctg'yj g'gzegu"go kuukpu'y j lej "ctg'dgkpi 'r tqf wegf A'UECI "  
 yj tqwi j 'y gk'hwmtg'Eqo o wpmf 'Rtqi tco u'ku'cuq'mqnmki 'cv'y cv'0"ku'r ctv'qh'yj g'O UTE/hwmp gf "  
 ghqt0Vj gtu'dggp'r tqf qugf 'ngi kurvkp'vq'o cpf cvg'yj cv'uqo g'qh'yj gug'uj ctgf 'tkf g'ugtkegu'i q'vq"  
 engcp'gej pqrqi {'xgj kengu.'kpenwpi 'j {'dtkf u'cpf 'grgeste0ku'f ghpkngf 'cp'kuwg.'ku'r tqdcdn' "qpg"  
 yj cv'u'i qkpi 'vq'dg'i gwki 'y qtug'cu'qr r qugf 'vq'dgwgt'kp'yj g'ko o gf kvg'hwmtg.'dw'yj tqwi j "  
 tgi wrcvt {'cpf 'qy gt'kpep'vkgu.'o c {dg'yj gtu'cp'qr r qtwpkf 'cv'uqo g'r qkp'v'v'yj g'hwmtg'vq"  
 ko r ngo gpv'r tqi tco u'y j lej 'hewu'qp'j qy 'vq'tgf wegf'go kuukpu'htqo 'yj gug'uj ctgf 'tkf g'ugtkegu'  
 "

O t0Xgtgu'eqo o gpv'f 'tgi ctf kpi 'y g'GX'Uej qqn'Dwu'r tqi tco . 'Khgn'rkng'cu'Ky cu'hwgpkpi 'vq'{'qw."  
 {'qw'y gtg'vcmkpi 'o g'qww'qh'o {'uwr r qt'v'qh'yj ku'eqpegr v'dgecwug'qh'yj g'ej cmgpi gu'yj cv'{'qw'ckf 'qwo'  
 Ky qpf gt'y j {'ku'lp'yj g'vqr 'yj tgg'ecvgi qtkeu0O t0I qtunk'tgr rkf 'y g'tgcup'v'yj cv'4'y cu'kpenw gf 'cu'  
 c'ecvgi qt {'y cu'dgecwug'yj gtu'c'dg'rkgh'yj cv'cv'uqo g'r qkp'v'v'yj qqn'f kwtkeu'ctg'i qkpi 'vq'dgeqo g'o qtg"  
 tgi wrcvgf . 'gkj gt 'cv'yj g'ucvg'ngxgn'qt'cv'yj g'ngcni'ngxgn'0C'uqo g'r qkp'v'yj g'{'g'i qkpi 'vq'dg'vqr'vq"  
 vcpukkp'yj gk' 'hggw'vq'j gtq'go kuukpu'cpf 'y ku'ecvgi qt {'y qwf 'cp'v'ekr cvg'c'hwmtg'ucvg'qt'ngcni'  
 tgi wrcvt {'cev'kp'yj j lej 'eqwf 'dg'xkgy gf 'cu'cp'wphwmp gf 'o cpf cvg'0I qy gxgt.'uej qqn'f kwtkeu'y qwf "  
 pqv'j cxg'yj g'pgeguet {'gzr gtlkpeg.'npqy ngf i g'qt'r qv'p'v'cm' 'hpcpekn'ng'gu'wtegu'vq'ceeqo r rkuj 'yj cv'0'  
 O t0Xgtgu'cf f gf 'vq'hmqy 'wr 'qp'yj g'tkf guj ctg'cr r 'eqpxgtucvkp.'f qgu'yj cv'tgs wktg'uqo g'hw'ty gt "  
 cev'kp'htqo 'wu'qt'ku'k'uqo g'yj kpi 'yj cv'y g'ecp'ej gem'kp'qp'yj kj 'NC'O gvtq'vq'f kuewu'cv'c'y qtnkpi "  
 i tqwr 'qt'j qy 'y qwf '{'qw'cr r tqcej 'yj cv'kuwg'AO t0I qtunk'tgr rkf 'yj cv'ku'f ghpkngf 'cp'kgo 'y j lej "  
 yj g'O UTE/VCE'ecp'wpg'gtvng'yj tqwi j 'yj g'uwdeqo o kwgg'r tqegu'0Y g'ecp'y qtn'y kj 'y j g"  
 o go dgtuj kr 'qh'yj g'O UTE/VCE.'y j lej 'kpenw gu'cm'hw'eqwv'f 'vcpur qtvcvkp'eqo o kuukpu'0"  
 "

P cxggp'Dgtt {'eqo o gpv'f 'Tc {'j cu'f qpg'c'tgcm' 'eqo o gpf cdng'lqd'cuugukpi 'cm'yj tgg'eqpegr wu"  
 y kj 'tgr gev'vq'yj g'CS O R'i qcu'0' qwt'cpnki 'ku'tki j v'lp'rkpg'yj kj 'y g'UECS O F u'yj kpnki 'cpf "  
 y j cv'qwt'Dqctf 'ku'yj kpnki 0'p'Eqpegr v'0'3'y g'y qwf 'r gtj cr u'kpenw g'tgpgy cdng'hwgu'0Qp'Eqpegr v'  
 4.'gur gekm' 'hqt'yj g'lp'htcutwewt'g'r ctv.'r gtj cr u'kpenw g'eqqtf kpcvkp'yj kj 'r wdrle'w'rkkgu.'rkng"  
 Gf kuqp'qt'NCF Y R.'cpf 'ngxgtci kpi 'yj gk'r tqi tco u'yj cv'o c {'ctgcf {'dg'cxckr'cdng'y qwf 'dg"  
 dgpg'hekcr'0Cpf 'qp'yj g'GX'Tgcf {'Eqo o wpmkku.'ctg'{'qw'mqnmki 'cv'Ngxgn'4'cpf lqt'c'o kz'qh'Ngxgn'  
 5'ej cti gtu'ATc {'I qtunk'O UTE'Vgej p'ecni'cf xkuqt'tgr rkf 'k'y kn'f ghpkngf 'dg'c'o kz wgtg'qh'Ngxgn'4"  
 cpf 'FE'Hcu'Vej cti gtu'  
 "

O UTE'Ej ck'Nctt {'O eEcmpp'cungf 'ctg'{'qw'gpxkukpki 'yj cv'y g'y qwf 'cw'ceni'cm'yj tgg'qh"  
 yj gug'ATc {'I qtunk'O UTE'Vgej p'ecni'cf xkuqt'tgr rkf 'yj g'O UTE/VCE'ku'ugnkpi '{'qwt'i w'kf cpeg'hqt"  
 r lenki 'qpg'0I qy gxgt.'yj g'O UTE/VCE'y cpv'f 'vq'gpuwtg'yj cv'Kexpxg {'yj cv'yj g'{'g'xgt {'hng'kdng'0'k'  
 yj gtu'c'f guktg'vq'v'cng'qpg'cu'yj g'r tko ct {'hewu'dw'cuq'vq'ugv'yj g'uci g'hqt'r qv'p'v'cn'hwmtg"  
 r tqi tco u'hqt'qpg'qh'yj g'qy gtu.'y g'y kn'dg'o qtg'yj cp'j cr r {'vq'f q'yj cv'0O t0O eEcmpp'tgr rkf "  
 vcmki 'qp'qpg'qh'yj gug.'gur gekm' 'yj g'Tgi kppcn'I qqf u'O qxgo gpv'Engcp'Eqttkf qt.'ku'i qkpi 'vq'veng"  
 wr 'o qtg'yj cp'gpqwi j 'qh'{'qwt'ko g'cpf 'tgu'wtegu'0O UTE'O go dgt'Dgp'Dgpqk'cf f gf 'yj gtu'u'q"  
 o cp {'yj kpi u'y g'f kuewu'gf 'cdqww'Eqpegr v'0'3.'qwu'f g'qh'lwu'y j cv'u'j gtu'0O UTE'Cngtpcv'g'Dtkp"  
 Dgtmup'eqo o gpv'f 'dcugf 'qp'yj ku'hp'i 'ngcf 'ko g.'y j g'o qpg {'yj cv'y g'g'ugw'ki 'wr 'hqt'yj ku'r tqi tco . "  
 ctg'y g'lwu'i qkpi 'vq'ngv'k'uk'kp'c'r qv'cpf 'y ck'hqt'{'gctu'w'p'v'k'eqo r cplgu'ctg'tgcf {'vq'cev'qp'yj ku'0O t0'  
 O eEcmpp'tgr rkf 'y g'j cxg'qy gt'r ctv'qh'yj g'r tqi tco 'i qkpi 'qp'0'Y g'j cxg'qy gt'yj kpi u'we'j 'cu'yj g"  
 O clqt'Gxgpv'Egpgtu'Rtqi tco 'yj cv'y g'g'g'i qkpi 'vq'f q'vq'g'ku'p'q'v'cm'yj g'o qpg {'tgu'g'xgf 'hqt'yj ku'  
 r tqi tco 0O t0I qtunk'cf f gf '{'qwt'g'r c'kpi 'qww'v'cf c' 'y j g'o qpg {'y j lej 'y cu'cm'ecvgf 'yj tgg'vq'hw'  
 {'gctu'ci q'0'ktgur gev'xg'qh'yj j g'y gt'ku'c'dki 'r tqi tco 'qt'c'ulpi ng'ej cti gt'ucvkp'cv'qpg'qh'qwt'ngcni'  
 ekkgu.'yj gtu'c'ko g'rkpg'0Cpf 'dgwy ggp'yj g'f cvg'yj cv'yj g'I qxgtpki 'Dqctf 'cr r tqxgu'yj g'O UTE'u"  
 Y qtn'Rtqi tco 'cpf 'yj g'f cvg'yj cv'r c'{'o gpv'ku'cwj qtk gf . 'ku'p'q'v'ukz'o qp'yj u'

"

O UTE 'O go dgt 'Tgz 'Tlej ctf uqp 's wguvqp'f 'y j gp 'y kni'y ku'r tqi tco 'hkn' 'i q'kp'q'gh'gev'AO t0' I qtunk'tgr rkgf 'y ku'r tqi tco 'y kni' c'xg'o wkn' r'g'go gpw. 'uqo g'y cv'ecp'dg'ko r rgo gpw'f 'uqppgt' y cp'q'v'gtu0Vj g'mpi guv'gcf 'kgo u'y kni'r tqdcdn' 'dg'y g'ko r rgo gpw'v'qp'qh'j {f tqi gp'tghw'gkpi " uvc'kpu'v'q'uwr r qtv'cp'kpetgculpi 'pwo dgt 'qh'hwn'egm'g'gevt'le 'twemu0'Vj ku'tgr'v'gu'v'q'y g' f go qpwt'v'kpu'y j lej 'ctg'dgkpi 'eqpf wew'f 'd { 'Vq { qvc'cpf 'y j g { } g'cnu'f'qkpi 'uqo g'y qtm'y kj " r wkp' 'kp'h'w'gkpi 'uvc'kpu'0K'u'c'r qv'p'v'kn'y cv'y g'O UTE 'o c { 'ej qq'ug'v'q'j c'xg'cp'qti cpl'v'k'p'rkng' y gktu'dg'qpg'qh'y g'r ctv'p'gtu'qp'y ku'r tqi tco 'cpf 'g'zr'cpf 'y g'ewt'g'p'v'r tqi tco 'y cv'Vq { qvc'v'f'qkpi 0' Cu' { qw'dt'kpi 'y ku'hq'ty ctf. " { qw'g'i qkpi 'v'ugg'y g'tg'ctg'i qkpi 'v'dg'c'm'v'qh'qr r qtw'p'k'gu'rkng'y cv. " y kj 'y g'O UTE 'eqo kpi 'kp'cpf 'y qtn'kpi 'y kj 'c'r ctv'p'gt. 'v'g'zr'cpf 'c'r tqi tco 'y j lej 'ku'p'qy 'lwu' dgkpi 'lp'k'v'g'f'0Vj cv'y kni'cm'y 'y g'O UTE 'v'i g'v'y cv'o qpg { 'q'w'v'j g'tg's w'kn'gt 'd'gecw'ug'v'qo g'qh'y cv' rgi y qtm'ku'c'itgcf { 'dgkpi 'f'qpg'00 t0T'lej ctf uqp'eqo o gpw'f 'cv'uqo g'r qk'p'v'y g'r tqeguu'Ky cp'v'q' hki wt'g'q'w'j qy 'v'q'f'q'uqo g'y kpi 't'gcm' { 'w'p'k'v'g'cpf 'ur'g'ekn'y kj kp'y ku'r tqi tco 'ctq'w'p'f 'y g'geqp'qo le' k'pen'w'k'p'r q'v'k'p'qh'y ku'eq'p'x'g'tuc'v'k'p'0Y g'ig'ct'p'g'f 'ht'qo 'y g'eng'cp'v'wemu'r tqi tco u'q'w'qh'y g'r q'v'u' y cv'y g'uo cm'd'w'k'p'gu'gu'y j lej 'ctg'icti gn' { 'qy p'g'f 'd { 'y g'r g'qr'ng'qh'eq'mt. " cpf 'y g'f'k'x'gtu' y go ug'k'gu'j c'xg'c'f'k'h'ew'n'v'ko g'ce'gu'kpi 'o qu'v'r tqi tco u'0K'i'cu'c'r ctv'qh'y ku'y g'y g'tg'v'q'r ctv'p'gt' cpf 'et'g'cv'c'r w'ej culpi 'eqpu'q'v'k'wo. 'y gp'y g'eqpu'q'v'k'wo 'eqw'f 'r cuu'k'peg'p'v'k'gu'f'qy p'f'k'g'ev' { 'v'q' y g'ug'h'q'mu'0C'p'f 'y gp'o c { dg'y g'eqw'f 'y qtm'y kj 'c'm'ec'n'y qtm'q'teg'ci gpe { . 'y j q'r tq'h'k'gu' eqo r cpl'gu'y j q'ctg't'gcf { . 'cpf 'y g'dt'kpi 'y go 'kp. 'j q'r 'y g't'j cpf u'cpf 'y g'r k'q'v'y ku'0Uqo g'y kpi 'rkng' y ku'kp'y ku'r tqi tco 'g'ctn' { 'uj q'w'f'p'v'c'ng'c'm'v'q'et'ch'v'dw'y cv'u'qo g'y kpi 'y cv'K'y k'm'y kni' g'v'q'ec'n' eqo o w'p'k'gu'c'rk'w'g'o q'tg'lp'v't'g'ug'f'00 t0I qtunk'tgr rkgf 'K'eqw'f 'f'q'k't'ki j v'p'qy 0K'eqw'f 'y qtm'y kj " P'cx'ggp'Dgtt { 'd'gecw'ug'UECS OF 'j cu.'qt'cv'g'cu'v'y kni' c'xg'x'gt { 'uj q't'v' { . 'r tqi tco u'w'ej 'cu'y g' X'q'w'ej g't'k'peg'p'v'k'g'Rtqi tco '\*X'K'v'y j lej 'cu'ku'v'h'g'gu'y kj '32'qt'g'u'x'g'j k'eng'0Vj g'O UTE 'eqw'f 'ug'v' cp'q'j g't'ug'v'qh't'gs w'k'tgo gpw'y cv'uc { 'h' { q'w'g'c'p'k'p'f'gr'gp'f'gp'v'qy p'gt'qr'g't'cv'q't'q't'w'em'y cv'j c'w'u' f'tc { ci g'q'w'qh'y g'r q'v'u'qh'N'qu'C'pi g'ru'g'cpf 'h' { q'w'g'k'p'ew'f'gf 'kp'y g'F'tc { ci g'V't'em'iT'gi k'ut { . ' { q'w' ec'p'eqo g'kp'cpf 'y qtm'y kj 'y g'F'k'ut'ev'cpf 'y g'O UTE 'v'q'ug'ew'g'i t'cp'v'h'w'p'f'kpi 'ht'qo 'y g'F'k'ut'ev' w'p'f'gt'y g't'X'K'r tqi tco 'cpf 'y cv'y q'w'f'dg'o c'v'ej g'f 'y kj 'o q'p'k'gu'ht'qo 'y g'O UTE'0Vj cv'y q'w'f. 'kp' cm'j q'p'gu'f. 'r c { 'h'q't'q'x'gt'y q/v'j k'f'u'q'h'c'dt'cp'f/pgy 'p'gct'j g'tq'v't'em'it'ki j v'q'h'h'y g'v'qr'00 t0' T'lej ctf uqp'c'f'f'gf 'h'y g'lw'u'eqw'ng'f 'y cv'y kj 'y g'j' cpf /j q'r kpi 'y cv'u'p'ge'gu'ct { 'v'q'dt'kpi 'r g'qr'ng'0' O t0Dgtt { 'c'f'f'gf 'qp'y g'X'K'r tqi tco. 'y g'f'q'y cv'j cpf 'j q'r kpi 0'Y g'j' gr 'y g'uo cm'q'r g't'cv'qtu' y tq'w'j 'y g'cr'r'k'ec'v'k'p'r tqeguu'cpf 'i q'y tq'w'j 'cm'j g't'gr'q't'v'kpi 'r tqeguu'y kj 'y go 0Y g'j' c'xg'j' cf " y cv'r tqi tco 'h'q't'cv'h'uw'32' { g'ctu'00 UTE/VCE 'O go dgt 'X'len'k'Y j k'g'c'f'f'gf 'k'u'y g't'eq'p't'ce'w'en' t'g'rc'v'k'p'uj k'r u'y kj 'f'g'c'rg't'uj k'r u'0'Vj g'f'g'c'rg't'uj k'r u'ct'g'y g'q'p'gu'y j q'j' gr 'y g'uo cm'q'y p'gtu'00 t0' I qtunk'c'f'f'gf 'y g'O UTE 'j cu'y g'f'k'uet'g'v'k'p'cpf 'h'g'z'k'd'k'v' { 'v'q'r w'cp { 't'gs w'k'tgo gpw. 'eqpf k'k'q'pu. " eqpu't'c'k'p'u'qp'y g'r tqi tco 0Vj g' { 'ec'p'v'cti g'v'ur'g'ek'h'le'qr'g't'cv'qtu. 'kp'y ku'ec'ug'f'tc { ci g'v't'em'u'0Vj g't'g' ctg'r tqi tco u'y j lej 'j' c'xg'g'x'gt { y kpi 'c'it'gcf { 'kp'r'nc'eg'0' "

**ACTION:** P q'hw'y g't'cev'k'p't'gs w'k'tgf 0'

"

### **Agenda Item #11 – Authorize Research and Outreach in Support of FYs 2018-21 Work Program Development**

E { p'y k'c'T'cx'g'p'ug'k'p. 'O UTE 'Eq'p't'ce'w'c'f'o k'p'k'ut'cv'q't'gr'q't'v'g'f 'y g'VCE 'v'cm'g'f 'cd'q'w'g'pi ci kpi 'y g' O UTE'u'Rtqi tco o c'v'k'Q'w't'g'cej 'Eq'q't'f'k'p'cv'qt. 'y g'D'gw'g't'Y q't'r'f 'I tq'w'r 'C'f'x'k'u'qtu'\*DY I C-0' Y kj q'w'h'p'qy kpi 'g'z'ce'w' { 'y j cv'y g'h'q'ew'u'ku'i qkpi 'v'q'dg. 'DY I C'j' cf 'v'q'eqo g'w'r 'y kj 'c'd'k'q'h'c' i g'p'g't'k'le'k'p'k'k'n'g'h'q't'v'y cv'y g' { 'y k'p'm'ku'i qkpi 'v'q'dg'p'g'g'f'gf 'v'q'dg'cd'ng'v'q'j' k'v'y g'i tq'w'p'f 't'w'p'p'kpi 0' D'gecw'ug'y kj 'y g'k'f'g'c'q'h'y cp'v'kpi 'v'q'rg'x'gt'ci g'h'w'p'f'u'cpf 'q'peg' { q'w'h'p'qy 'y j cv'y g'r tqi tco 'ctgc'ku. "

vj gp'vj gtg'pggf u'q'dg'cp'cuuguuo gpv'qh'y j cv'hwf kpi 'ku'ent gcf { "qaw'vj gt g'vj cv'tgncv'u'q'vj ku'Y j q" ctg'vj g'r gqr ng'vj cv'O UTE'o c { "pggf "q'gpi ci g'y kj . "dqj "cv'vj g'ucv'g'cpf "neent gi kqpcn'gxgn'cpf " r qv'p'kcm { "j cxg'o ggkpi u'y kj A'Vj g { "eco g'wr 'y kj "cp'guko cv'g'ht'vj ku'htuv'uci g'qh'cuugukpi " y j cv'vj g'ncpf uecr g'ku'cpf "eqo kpi "wr 'y kj "cp'kpkcn'qwtgcej 'r ncp'q'eqqt f kpcv'g'y kj "ci gpe { " tgr tgu'pvc'xgu'cpf "qj gt 'r qnke { o cngtu'Vj gt g'ku'hwf kpi "cxckndrg'w'pf gt 'vj gk'eqpvtce'Vj ku'ku' cuf g'htqo "vj gk'tgi wct'vcum. 'y ku'ku'hwf kpi "vj cv'y cu'pqv'cmqecv'g' "q'c'ur gekke'vcum'Vj g" guko cv'g' "equ'ht'vj ku'kpkcn'ghhtv'ku'& .: 720'Vj g'lphto cv'qp'y cu'pqv'cxckndrg'kp'vko g'htq" O UTE/VCE. "u'k'y cu'pqv'eqpukf gt g' "cv'vj g'VCE'o ggkpi 'Vj gt g'u'pqv'c'tgeqo o gp'f cv'qp'eqo kpi " htqy ctf . "dw'Ky qwf "dg'uggnkpi "vj g'O UTE'u'cwj qtk cv'qp'q'ku'wg'c'vcum'qtf gt "q'vj g'Dgwgt 'Y qtrf " I tqwr 'Cf xkuqtu'q'eqpf wev'vj ku'kpkcn'ghhtv'kp'uw' r qtv'kpi "vj g'Ncti g'Uecng'Rtqi tco 0' "

QP 'O QVQKP 'D [ 'O UTE 'XKEG/EJ C KT 'I TGI 'Y K VGT DQVVQO . 'CP F " UGEQP F GF 'D [ 'O UTE 'O GO DGT 'T GZ 'T KEJ CTF UQP . 'O UTE " WP CP KO QWUN [ 'XQVGF 'VQ 'C WJ QTK G' C 'VCUM'QTF GT 'VQ 'VJ G" DGVVGT 'Y QTNF 'I TQWR 'CF XKUQTU'K 'VJ G'CO QWP V'QH'& .: 720' C [ GU'DGP QKV . 'DGT MUQP . 'MKVQY UMK'O EECNNQP . 'TQ [ DCN'UCNVCTGNK" XGTGU. 'Y K VGT DQVVQO . [ CO CTQP G0' P QGU'P QP G" "

**ACTION:** 'O UTE 'u'ch'y kn'ku'wg'vj g'Vcun'Qtf gt 'cu'f k'gevgf 0' "

"

### **Agenda Item #12 – Consider Development of Follow-On Major Event Center Transportation Program**

"

Tc { 'I qtunk 'O UTE 'Vgej pkecn' Cf xkuqt. 'tgr qtvgf 'vj cv'vj g'O UTE/VCE 'f k'uewugf 'cf f k'kqpcn'Y qtm' Rtqi tco 'ecv'gi qtkgu'cpf 'ci clp' 'O clqt 'Gxgpv'Egpvt 'tqug'cu'vj g'htuv' r t'kqtk' 0'Y g'htqo gf "c" uwdeqo o kwgg. 'cpf 'u'ch'r tgr ctgf "c'y j kg'r cr gt "q'dqj 'kpkc'v'g'cpf 'uko wr'v'g'vj g'f k'uewukqp" co qpi u'uwdeqo o kwgg'o go dgtu'Y g'xg'j cf 'y q'uwdeqo o kwgg'o ggkpi u'q'f cv'g'cpf "vj gt g'u'c'vj kf" qpg'r mppgf 'ht'pgz'v'y ggn'Vj ku'ku'c'y qtm'kp'r tqi tguu'Vj g'eqo o kwgg'htewu'ku'tgcm' 'y q'vj kpi u'3+ "q'cej kxg'xgt'k'cdrg'go ku'kqp'tgf we'k'qpu'ht'vj g'lp'xguo gpv'vj cv'vj g'O UTE 'o cngu'cpf '4+'q" ko r tqxg'vj g'qxgtcm'eqv'gh'ge'v'xgpguu'ht'vj g'O UTEu'lp'xguo gp'Vj g'hpqy 'j qy "q'ko r ngo gpv'cp" Gxgpv'Egpvt 'Rtqi tco 'dgecwug' 'O UTE'j cu'f qpg'k'eqp'k'p'w'q'wun' 'ukpeg'42320J qy gxgt. 'vj gt g'u'c" f gu'k'g'qp'vj g'r ctv'qh'vj g'VCE 'q'htq'ni'cv'vj g'r tqi tco 'cpf 'o cng'p'geguuct { 'o qf k'kecv'k'qpu'q'g'puwtg" vj cv'vj g'r tq'lgew'f q'j cxg'xgt'k'cdrg'go ku'kqp'tgf we'k'qpu'cpf 'ko r tqxg'vj g'qxgtcm'eqv'gh'ge'v'xgpguu' Vj g'O UTE/VCE'j cu'pqv'vcn'gp'k'p'cn'ce'v'k'p'="j qy gxgt. 'vj g'uwdeqo o kwgg'r tqeguu'j cu'tgu'wngf 'kp" ugxgtcn'r tgrko kpct { 'tgeqo o gp'f cv'k'qpu'0'Qpg'ku'q'vcng'c'r cwug'htqo "j gcx { 'tckn'cv'vj ku'vko g'Vj g' tcv'k'p'cng'vj gt g'ku'vj cv'y g'j cxg'j cf "o cp { 'tckn'r tqi tco u'ko r ngo gpv'gf 'd { 'vj g'O UTE 'qxgt'vj g'htuv' hgy " { gctu'cpf 'vj gt g'j cxg'dggp'f k'he'w'k'gu'g'zr gtl'g'pegf 'y kj "vj qug'r tqi tco u'Y g'j cxg'dggp'w'p'cdrg" q'ugewt'g. "qp'dgj ch'qh'vj g'O UTEu'lp'xguo gpv'y j cv'y g'dgn'xg'ku'c's wcp'v'k'cdrg'ck't's wcrk' { 'dgp'ghk'0' Y g'w'pf gtu'w'pf 'vj g'tgcu'qpu'0'Vj cv'u'y j { 'Kwug'vj g'y qtf 'r cwug. "dgecwug'ht'y g'ecp'i q'kp'cpf 'vcng" eqtt'ge'v'xg'ce'v'k'p. "cv'uqo g'r qkp'v'vj gt g'o ki j v'dg'cp'qr r qt'w'p'k' { 'q'eqp'k'p'wg'vj qug'r tqi tco u'Qpg'qh" vj go "ku'q'f go qp'utcv'g'gxgp'engcp'gt'hteqo q'v'xgu'cv'O g'tq'k'p'ni'dg { qpf 'Vlgt'60'Y g'xg'i qkpi "q'j cxg" uqo g'f k'uewukqpu'y kj "vgej p'q'ni { 'r tqxk'f gtu'lp'vj g'xgt { 'p'gct'v'gto 'cpf 'ugg'ht'vj gt g'u'vj g'r qv'p'k'cn'q' ce'wcm' { 'f q'c'f go qp'utcv'k'p'r tqi tco 'ht'q'w'Gxgpv'Egpvt 'wukpi "c'O g'tq'k'p'ni'tckp'y j lej 'ku' t'gt'q'hw'gf 'y kj "cp'go ku'kqp'eqpvt'q'ni'u'ngo "vj cv'u'i qkpi "q'engcp'vj g'go ku'kqpu'uki p'k'he'cp'w' { 'dg { qpf " vj qug'y j lej "ctg'cej k'x'cdrg'ht'Vlgt'6'hteqo q'v'xg0' "

"

"

"

"

"

O UTE'O go dgt'Ugxg'Xgtu'e'qo o gpwgf 'Iwv'j c'xkpi 'dggp'c'r ctv'qh'c'hgy 'qh'y gug'nlemq'hu'hqt'y'j g' r tqi tco 'ukpeg'k'u'dggp'ko r ngo gpwgf . 'k'tgcm' 'ku'ko r qtcvpv'q'j' cxg'c'r tqi tco 'ugwgf 'cpf' " hmpexv'q'p'kpi 'cv'y'j g'dgi k'p'kpi 'qh'y'j g' { gct'dgecwug'k'tgcm' { 'ugw'y'j g'ucpf ctf 'hqt'hcpu'y'j tqw'j qw'y'j g' gp'k'g' { gct'U'q. 'kh'y'j g'r tqi tco 'ku'uweegu'w'v'j g'hcpu'i gv'c'i qqf 'g'zr quwtg. 'g'zr gev'k'q'p'cpf' " w'pf gtucpf kpi O'Gxgp'kh'y'j g' { 'f'q'xg'v'q'y'j g'i co g'q'p'qr gp'kpi 'f'c' . 'hqt'gzco r ng. 'qt'f'w'kpi 'c'r tgugcuq'p' i co g. 'y'j g' { 'mpqy' 'y'j g'r tqi tco 'ku'k'p'r mego'K'j k'p'n'y'j g'ko kpi 'qh'k'ku'cewcm' { 'ko r qtcvp'k'p'y'j g' eqpxgtucv'k'p'dgecwug'p'q'v'j c'xkpi 'k'k'p'r mego'k'p'y'j g'dgi k'p'kpi 'k'p'v'w'w'v'j g'ugt'x'eg'cpf' 'y'j g'ko r cev'

qh'vj g'ugtxleg"vj tqwi j qw'vj g'gpvktg" { gct0'O gvtq'ku'egtckpn { 'y knkpi "vq"o qf kh { "dcugf "qp'hkpcn"  
tgs wkt go gpw'j gtg0'  
"

QP 'O QVQKP "D[ 'O UTE "XKEG/EJ C K T "I TGI "Y K VGT DQVVQO . "CP F "UGE QP F GF "  
D[ 'O UTE 'O GO DGT "DGP "DGP QKV. 'O UTE "WP CP KO QWUN[ "XQVGF "VQ"CNNQY "  
NQU'CP I GNGU'EQWP V[ 'O GVTQRQNK/CP "CWJ QT K[ "O GVTQ+"VQ"UWDO K"  
VJ GK "CRRNKECVIQP "HQT" F QF I GT "UVC F KWO "GZ RTGUU"UGT XKEG"HQT"  
EQP UKE GT CVIQP "D[ "VJ G'O UTE "CV"VJ GK "O CTEJ "423; 'O GGV K I . "WP F GT "  
VJ G'EQP F KVQP "VJ CV'O GVTQ"CI TGGU"VQ"CDK G'D[ "CNN"  
TGEQO O GP F CVIQP U'TGUWNV K I "HTQO "VJ G'O UTE/VCE"RTQEGUU"CP F "VJ G[ "  
CI TGG"VQ"RQVGP VICN'P GI QVK CVIQP U"VQ"TGXRUG"VJ GK "RTQRQUGF "RTQLGEV"  
RTKQT"VQ"EQP VTCEV"GZ GE WIKP 0'  
C[ GU'DGP QKV. "DGT MUQP . "MKVQY UMK'O EECNNQP . "TQ[ DCN"UCNVCTGNK"  
XGTGU. "Y K VGT DQVVQO . [ CO CTQP G0'  
P QGU'P QP G"  
"

**ACTION:** P q'hwtvj gt'cevkqp'ku'tgs wktgf 0'  
"

"

### **Agenda Item #13 – Other Business**

"

P q'qvj gt'dwulpguu'y cu'kptqf wegf 0'  
"

### **PUBLIC COMMENT PERIOD**

Rwdrke'eqo o gpw'y gtg'cmqy gf 'f wtkpi "vj g'f kuewuukqp"qh'gcej "ci gpf c'kgo 0P q'eqo o gpw'y gtg'o cf g"  
qp'pqp/ci gpf c'kgo u0'  
"

### **ADJOURNMENT**

"

Vj gtg'dgkpi "pq'hwtvj gt'dwulpguu."vj g'O UTE"o ggwpi "cf lqwtpgf "cv5-37'r 0 0  
"

"

### **NEXT MEETING**

Vj wtuf c { . 'O ctej "43."423; "cv'4-22'r 0 0 "Tqqo "EE: 0  
"

]Rtgr ctgf "d { "Rgpp { "Uj cy "Egf kmj\_





**MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE  
THURSDAY, MAY 16, 2019 MEETING MINUTES**

43: 87'Eqr rg{ 'F tkxg.'F kco qpf.'Dct.'EC"; 3987/"Eqphgtgpeg'Tqqo 'EE/: "

**MEMBERS PRESENT:**

\*Ej ckt+"Nctt { 'O eEcmqp.'tgr tgugpvkpi "UDEVC"  
 \*Xleg/Ej ckt+'I tgi "Y kpvtdqwoqo .'tgr tgugpvkpi "QEV C"  
 Dtkcp'Dgtmup.'tgr tgugpvkpi "TEVE"  
 LcemlMkxy unk'tgr tgugpvkpi 'Ecnkhtpck'Ckt'Tguqwtegu'Dqctf "  
 F qmrtgu'Tq {dcnUcnctgnk'\*Cn0:.'tgr tgugpvkpi 'Tgi kqpcn'Tkf guj ctg'Ci gpe{ '\*xlc"x le+ "  
 O gi j cp'Ucj rk'Y gmu.'\*Cn0:.'tgr tgugpvkpi "UECI '\*xlc"x le+ "  
 O ctnl co ctqpg'\*Cn0:.'tgr tgugpvkpi "Nqu'Cpi grgu'Eqwpv{ 'O VC '\*xlc"x le+ "

**MEMBERS ABSENT:**

Dgp'Dgpqkv.'tgr tgugpvkpi "UECS O F "  
 Tgz'Tlej ctfuqp.'tgr tgugpvkpi "UECI "  
 Uvgxg'Xgtgu.'tgr tgugpvkpi 'Nqu'Cpi grgu'Eqwpv{ 'O VC "  
 "

**MSRC-TAC MEMBERS PRESENT:**

Tqpi uj gpi 'Nwq.'tgr tgugpvkpi "UECI "  
 Mgm{ 'N{ pp.'tgr tgugpvkpi "UDEVC"  
 "

**OTHERS PRESENT:**

Twdkp'Ctqpkp.'Dgwgt'Y qtrf 'I tqwr 'Cf xkuqtu'\*xlc"x le+ "  
 F gpkug'Cttkpc.'QEV C"  
 Ncwtgp'F wprcr.'UqEcni culUgo rtc"  
 Uco 'Go o gtuqp.'Dgwgt'Y qtrf 'I tqwr 'Cf xkuqtu'\*xlc"x le+ "  
 Tle'Vgcpq.'QEV C""  
 Vgtgpli 'Vqr lkcp.'J cxg/C/I q"  
 Nqwkul\ j cq.'QEV C"

**SCAQMD STAFF & CONTRACTORS**

Ngcj 'Cihctq.'O UTE'Eqpvtcew'Cuuuvcpv"  
 P cxggp'Dgtt { .'Cuun0F gr w{ 'Gz gewkxg'Qhhegt"  
 Tc{ 'I qtunk'O UTE'Vgej pkecn'Cf xkuqt/Eqpvtcevt"  
 F cr j pg'J uw.'Ugpkqt 'F gr w{ 'F kntlev'Eqwpugn"  
 Lqj p'Mco r c.'Hkpcpekn'Cpcn{ uv"  
 E {pvj kc'Tcxgpugkp.'O UTE'Eqpvtcew'Cf o kpkntcvqt"  
 Rcwil'Y tki j v.'Kphqto cvkqp'Vgej pqmji { 'Ur gekcrkv"

**CALL TO ORDER**

- Ecm'v'Qtf gt"

"

O UTE'Ej ckt'Nctt { 'O eEcmqp'ecngf 'y g'o ggkpi 'v'q'qtf gt'cv'4-22'r 0b 0"

"

Tqm'ecm'y cu'cnngp'cv'y g'uctv'qh'y g'o ggkpi 0Vj g'hqmy kpi 'o go dgtu'cpf "  
 cngtpcvgu'y gtg'r tgugpv<DTKCP "DGTMUQP . 'LCEM'MKVQY UMK'NCTT[ " "  
 OEECNNQP . 'F QNQTGUTQ[ DCN'UCNVCTGNNK'O GI J CP 'UCJ NK  
 Y GGNU.'I TGI "Y K VGTDQVVQO . 'O CTM[ CO CTQP G"

"

- Qr gpkpi 'Eqo o gpw'"

"

O UTE'Xleg'Ej ckt'I tgi 'Y kpgtdqwqo 'ucv'gf 'hqt'y g'tgeqtf 'y cv'hqt'Ci gpf c'Kgo "  
 %8.'j g'f qgu'pqv'j cxg'cp { 'hpcpekni'kpgtguv.'dw'ku'tgs wktgf 'v'k'f gpvh { 'y cv'j g'ku'c"  
 o go dgt'qh'y g'Dqctf 'qh'F kgevtu'hqt'y g'Qtcp i g'Eqwpv { 'Vtcur qt'cvkqp"  
 Cwj qtkv { . 'y j lej 'ku'kpxqrxgf 'k'p'y ku'kgo 0'

"

- Ggcvkqp'qh'O UTE'Ej ckt'cpf 'Xleg/Ej ckt'"

""

P qo kpcv'kpu'hqt'y g'Ej ckt'cpf 'Xleg/Ej ckt'r qukk'kpu'y gtg'qr gpgf 0""

""

C'o qv'kqp'hqo 'O UTE'Xleg/Ej ckt'I tgi 'Y kpgtdqwqo . 'cpf 'ugeqpf gf 'd { 'O UTE "  
 O go dgt'Dtkcp'Dgtm'qp . 'pqo kpcv'gf 'O UTE'Ej ckt'Nctt { 'O eEcmqp'v'ugt'xg'cu'Ej ckt'hqt "  
 cpqy gt'vgt 0""

""

P q'hwt'y gt'pqo kpcv'kpu'y gtg'qh'htgf . 'uq'pqo kpcv'kpu'hqt'Ej ckt'y gtg'emugf 0"

""

VJ G'O UTE'WP CP KO QWUN[ "XQVGF "VQ'CRRTQXG'VJ G'CDQXG"  
 P QO K C V K Q P 0 C [ GU<DGTMUQP . 'MKVQY UMK'OEECNNQP . 'TQ[ DCN"  
 UCNVCTGNNK'UCJ NKY GGNU.'Y K VGTDQVVQO . '[ CO CTQP G0'P QGU<  
 P QP G0"

""

C'o qv'kqp'hqo 'O UTE'O go dgt'Dtkcp'Dgtm'qp'cpf 'ugeqpf gf 'd { 'O UTE'Ej ckt'Nctt { "  
 O eEcmqp'pqo kpcv'gf 'O UTE'Xleg/Ej ckt'I tgi 'Y kpgtdqwqo 'v'ugt'xg'cu'Xleg/Ej ckt'hqt "  
 cpqy gt'vgt 0""

""

P q'hwt'y gt'pqo kpcv'kpu'y gtg'qh'htgf . 'uq'pqo kpcv'kpu'hqt'Xleg/Ej ckt'y gtg'emugf 0"

""

VJ G'O UTE'WP CP KO QWUN[ "XQVGF "VQ'CRRTQXG'VJ G'CDQXG"  
 P QO K C V K Q P 0 C [ GU<DGTMUQP . 'MKVQY UMK'OEECNNQP . 'TQ[ DCN"  
 UCNVCTGNNK'UCJ NKY GGNU.'Y K VGTDQVVQO . '[ CO CTQP G0'P QGU<  
 P QP G0"

"

"

**CONSENT CALENDAR (Items 1 through 3)****Receive and Approve Items****Agenda Item #1 – Minutes for the March 21 and April 18, 2019, MSRC Meetings**

Vj g'o kpwgu'qh'yj g'O ctej "43"cpf "Cr tkl3: ."423; ."O UTE"o ggkpi u'y gtg"pqv">{ gvtgcf {"  
 cpf "yj gtghqtg'y gtg'r wmgf "htqo "yj g"ci gpf c0'

"

**Agenda Item #2 – MSRC Contracts Administrator's Report**

Vj g'O UTE"CD"4988"Eqptcew'Cf o kpkwtcvqtai'Tgr qtv'ht'O ctej "4: "yj tqwi j 'Cr tkl46."423; "  
 y cu'kpenwf gf "kp"yj g"ci gpf c'r centi g0"

"

QP 'O QVKQP 'D[ 'O UTE'O GO DGT'DTKCP 'DGTMUQP 'CP F 'UGEQP F GF "  
 D[ 'O UTE"XKEG/EJ CKT""I TGI "Y K VGTDQVVQO ."WPF GT"CRRTQXCN"  
 QHEQP UGP V'ECNGP F CT'K/GO U%4"VJ TQWI J "%5."VJ G'O UTE"  
 WPCP KO QWUN[ "XQVGF "VQ'TGEGKXG'CP F "HKG"VJ G'EQP VTCEVU"  
 CFO K KUVTCVQTØTGRQTV'HQT'O CTEJ "4: "VJ TQWI J "CRTK"46."  
 423; 0'  
 C[ GU'DGTMUQP ."MKVQY UMK'O EECNNQP ."TQ[ DCN'UCNVCTGNNK"  
 UCJ NKY GGNU."Y K VGTDQVVQO ."[ CO CTQP G0"  
 PQGU'P QP G0'

"

**ACTION:** "Uch'y knlpenwf g'yj g'O UTE"Eqptcew'Cf o kpkwtcvqtai'Tgr qtv'kp"yj g'O UTE"  
 Ego o kwgg'Tgr qtv'ht"yj g'Lxpg'9."423; ."UECS OF 'Dqctf "o ggkpi 0'

**Agenda Item #3 – Financial Report on AB 2766 Discretionary Fund**

"

C'hkpcenkltgr qtv'qp"yj g'CD"4988'F kuetgkqpct { 'Hwpf 'ht'Cr tkl423; 'y cu'kpenwf gf "kp"yj g"  
 ci gpf c'r centi g0"

"

QP 'O QVKQP 'D[ 'O UTE'O GO DGT'DTKCP 'DGTMUQP 'CP F 'UGEQP F GF "  
 D[ 'O UTE"XKEG/EJ CKT""I TGI "Y K VGTDQVVQO ."WPF GT"CRRTQXCN"  
 QHEQP UGP V'ECNGP F CT'K/GO U%4"VJ TQWI J "%5."VJ G'O UTE"  
 WPCP KO QWUN[ "XQVGF "VQ'TGEGKXG'CP F "HKG"VJ G'HKCPEKN"  
 TGRQTV'HQT"VJ G'RGTKQF 'GPF K I 'CRTK"423; 0'  
 C[ GU'DGTMUQP ."MKVQY UMK'O EECNNQP ."TQ[ DCN'UCNVCTGNNK'UCJ NK  
 Y GGNU."Y K VGTDQVVQO ."[ CO CTQP G0'  
 PQGU'P QP G0'

"

**ACTION:** P q'htyj gt'cevqp'ku'tgs wktgf 0"

"

"

**For Approval – As Recommended****Agenda Item #4 – Consider Nine-Month Term Extension for the City of Riverside, Contract #ML16034 (\$500,000 - Implement “Complete Streets” Project)**

Vj g'Ekv{ "qh'Tkxgtukf g'tgs wguu'c'p'kpg/o qpjy "gzvgpukqp'f wg'vq'f grc{ u'cuuqekcvgf 'y kj "cp"  
 wpwuwcm{ "j gcx{ "tckp"ugcuqp"cpf "o wmk'rg'f guki p'ej cpi g'tgs wguu'htqo 'r tqr gtv{ "qy pgtu0"VJ G"  
 O UTE/VCE'WP CP KO QWUN[ 'TGEQO O GP F U'CRRTQXCNO'

QP 'O QVVKP 'D[ 'O UTE'O GO DGT'DTKCP 'DGTMUQP 'CP F 'UGEQP F GF "  
 D[ 'O UTE'XKEG/EJ CKT'I TGI "Y K VGTDQVVQO.'O UTE"  
 WP CP KO QWUN[ "XQVGF "VQ'CRRTQXG'VJ G'P Q/EQUV'VGTO "  
 GZ VGP UKQP 'HQT'VJ G'EKV[ "QH'TKXGTUKE'G.'EQP VTCEV"%O N382560'  
 C[ GU'DGTMUQP.'MKVQY UMK'O EECNNQP.'TQ[ DCN'UCNVCTGNNK'UCJ NK  
 Y GGNU."Y K VGTDQVVQO.'[ CO CTQP G0'  
 P QGU'P QP G0'  
 "

**ACTION:**"O UTE'Uchh'y kn'co gpf 'y g'cdqxcg'eqptcev'ceeqt f kpi n{0'

**Agenda Item #5 – Consider Engine Retention in Lieu of Scrapping for the City of Santa Monica, Contract #MS16115 (\$870,000 – Repower Transit Buses with Near-Zero Engines)**

Tcyj gt'yj cp"ueter r kpi "cm'7: "gpi kpgu."y g'Ekv{ "tgs wguu'vq'tgvckp"qpg"gpi kpg'vq'dg'wugf "hqt"  
 vckp kpi 'r wtr qugu0"VJ G'O UTE/VCE'WP CP KO QWUN[ 'TGEQO O GP F U'CRRTQXCNO"  
 "

QP 'O QVVKP 'D[ 'O UTE'O GO DGT'DTKCP 'DGTMUQP 'CP F 'UGEQP F GF "  
 D[ 'O UTE'XKEG/EJ CKT'I TGI "Y K VGTDQVVQO.'O UTE"  
 WP CP KO QWUN[ "XQVGF "VQ'CRRTQXG'VJ G'GP I K G'TGVGP VKQP 'K "  
 NKGWQH'UETCRRK I 'HQT'VJ G'EKV[ "QH'UCP VC'O QP KEC.'EQP VTCEV"  
 %O U383370'  
 C[ GU'DGTMUQP.'MKVQY UMK'O EECNNQP.'TQ[ DCN'UCNVCTGNNK'UCJ NK  
 Y GGNU."Y K VGTDQVVQO.'[ CO CTQP G0'  
 P QGU'P QP G0'  
 "

**ACTION:**"O UTE'Uchh'y kn'co gpf 'y g'cdqxcg'eqptcev'ceeqt f kpi n{0'

**Agenda Item #6 – Consider Reduced Scope and Value for the Orange County Transportation Authority (OCTA), Contract #MS16029 (\$851,883 – Regional Bikeway Projects)**

Hqt'yj g'Ucp'Lxcp'Ecr kntcpq'Dke{eng'Ncpgu'I cr 'Enquwtg'Rtqlgev'QEVC'tgs wguu'vq'tgf weg'yj g' pwo dgt'qh'ugi o gpv'uwr r qtvgf 'd{ 'yj g'O UTE 'htqo 'ugxgp'vq'hkxg.'y kj 'c'eqtgur qpf kpi " tgf wekqp'kp'hwpf kpi 'htqo '&88.582'vq'&83.3350'Cffkkqpcmf.'hqt'yj g'Nco dgtv'Tqcf 'Dkngy c{." QEVC'tgs wguu'vq'grko kpcv'yj g'iki j vki 'cpf'dke{eng'mqengt'grgo gpv'y kj 'c'eqtgur qpf kpi " tgf wekqp'kp'hwpf kpi 'htqo '&73.245'vq'&62.: 220'GZEGRV'HQT'CP 'CDUVGP VKQP 'D[ " OGO DGT'ECTFQUQ.'VJ G'O UTE/VCE'WP CP KO QWUN[ 'TGEQO O GP F U'CRRTQXCXN"

QP 'O QVQP 'D[ 'O UTE 'O GO DGT'DTKCP 'DGT MUQP 'CP F 'UGEQP F GF " D[ 'O UTE 'XREG/EJ CKT'I TGI 'Y R VGTDQVVQO.'O UTE " WP CP KO QWUN[ 'XQVGF 'VQ'CRRTQXG'VJ G'UEQRG'CP F 'EQP VTCEV" XCNWG'TGF WE VQP O' C[ GU'DGT MUQP.'MKVQY UMK'O EECNNQP.'TQ[ DCN'UCNVCTGNNK'UCJ NK Y GGNU.'Y R VGTDQVVQO.'[ CO CTQP G0' P QGU'P QP G0' "

**ACTION:** "O UTE 'Uchh'y kn'co gpf 'yj g'cdqyg'eqptcev'ceeqt f kpi n{0'

**ACTION CALENDAR (Item 7)**

**FYs 2018-21 WORK PROGRAM**

"

**Agenda Item #7 – Update on Landscape for MSRC's Regional Goods Movement Program (Better World Group Advisors)**

Twdkp'Ctqpkp.'Dgwgt'Y qtrf 'I tqwr 'Cf xkuqtu.'tgr qtvgf 'yj cv'Rj cug'Kxqpm'cdqwu'ukz'y ggmi'vq'f q" c'rcpf uecr g'cpcn'uku'ctqwpf 'yj ku'Tgi kpcn'I qqf u'O qxgo gpv'Engcp'Eqttkf qt'ghqtv'Vj g'Rqtu" qh'Nqu'Cpi grgu'cpf 'Nqpi 'Dgcej 'ceeqpvhqt'equg'vq'62' "qh'cm'yj g'i qqf u'gpvgtkpi 'yj g'WUO" f gur kg'yj g'Ej kpc'vctkhu0'k'Ecrtkqtpkc.'yj g'vcpur qtvcvkp'qh'htgki j v'ku'yj g'ukpi ng'rti guv' eqptkdwqt'vq'f kgugr'r qmwkqp'P Qz'go kuukpu0'Qpg'qh'yj g'ej cngpi gu'ku'yj cv'cp'kpetgcukpi " pwo dgt'qh'yj g'vtemu'ctg'f grkxgtkpi 'vq'yj gug'dki i gt'cpf 'dki i gt'y ctgj qwugu'yj tqwi j qw'yj g' krcpf 'Go r ktg0'Vj gtg'ku'c'pggf 'cpf 'qr r qtwpkv'vq'tgf weg'vtem'go kuukpu'htqo 'yj qug'yj cv'ctg" kf npi 'cpf 'f qkpi 'rcuv'o kg'vcpur qtv0'Y g'y cpv'vq'tgcm'f ki 'kvq'yj g'y ctgj qwugu'cpf 'vtemkpi " eqo r cplgu'kp'yj g'krcpf 'Go r ktg'cu'r ctv'qh'qwt'Rj cug'Kt'geqo o gpf cvkpu0' "

Hqt'Rj cug'K'y g'f tkngf 'kp'y kj 'uqo g'qh'yj g'O UTE'o go dgtu'cpf 'r ctvpgt'ucv'g'cpf 'mqecn' tgi kpcn'ci gpekgu'vq'i g'v'c'dgwgt'ugpug'qh'yj g'r qrle{ 'rcpf uecr g0'Vj ku'y cu'cm quv'hqmqy /wr 'y qtnl' htqo 'y j cv'y g'r tguypvgf 'vq'f qw'cv'yj g'Tgtgcv'y kj 'tgi ctf u'vq'y j gtg'ucv'g'r qrle{ 'ku'i qkpi 0'Vj gp" y g'ur gpv'uqo g'vko g'y kj 'uqo g'qh'yj g'ugpkqt'gzgewkxgu'cv'yj g'Rqtu'qh'NC'cpf 'Nqpi 'Dgcej ." Pcxggp'Dgtt{ 'htqo 'Uqwj 'Eqcu'CS O F.'cpf 'uchh'htqo 'Gf kuqp0'Y g'cnq'vqwej gf 'dcug'y kj "

o { 'hqt o gt 'dquu. 'O cw'Rgvgtuqp "cpf 'O lej gmg'Mlpo cp0Wpf gt 'y j g'Nqu'Cpi grgu'Ergcpvgej " Kpewdcvt "NCEK: 'y j g { 'ctg'twppkpi 'y j g'Vtcur qtvcvkp "Grgvthkcvkp "Rctvpgtuj kr 'kpkkcvxg" uwr r qtvf 'd { 'O c { qt 'I ctegw'cpf 'O ct { 'P lej qm'cpf 'o cp { 'qv gt 'hqm'lmqmkpi 'cv'j qy 'y j g { 'ecp" cfxcpeg'ergcp"vtcur qtvcvkp"kp"cfxcpeg"qh'y j g'424: 'Qn{o r leu0' "

Vq'ugv'y j g'vdr'qh'y j gtg'CTD'ku'cpf 'y j gtg'y j g { 'g'i qkpi . 'y j g'Kppqxcvxg'Ergcp"Vtcur/Twrg" r cuugf 'huv'F gego dgt0'Vj ku'ku'o cpf cvkpi 'r wtej cug'qh' gtq/go kuukp"vtcur/dwugu'qxgt'ko g." dgi kppkpi 'kp'424; 0Y g'y cpvgf 'vq'tgcm' 'j ki j rki j v'y j g' Cfxcpegf 'Ergcp"Vtven'Twrg'y j cv'y cu'lwv' r tguvpgf 'kp" c' r tgrko kpt { 'huj kq'kp"Cr tk0CTD'uch'y kn'dg'hqt o crk kpi 'c' r tqr qucn'y j cv'y kn' eqo g'qw'kp"o kf/Qevdgt0'K'y kn'dg'r tguvpgf 'hqt'kphqt o cvkp'r wtr qugu'cv'y j g'F gego dgt" o ggkpi 'cpf 'y j gp'hkn' 'y j g'Dqctf 'y qwf 'dg'xqkpi 'qp'k'pgzv' { gct0K'mqmi'cv'cm qu'cm' o gf kwo /'cpf 'j gcx { /f w { 'encu'gu'qh'twem'cpf 'vcngu'f hgtgpv'r tguetkdgf 'r cv'y y c { u'y kj " o cpf cvgf 'r gtegpvi g'qh'xgj keng'ucngu'tgs wktgo gpw'qp'y j g'o cpwcewtgtu. 'lwv'hkn'y j g' rki j v' f w { \ 'GX'o cpf cvg'ewtgpw' 'hpevkpu0'Vj cv'y qwf 'dgi kp'v'knemkp'42460K'qwt'eqpxgtucvkpu' y kj 'LceniMkqy unk'cpf 'uqo g'qh'j ku'uch'h'uj qy eculpi 'l gtq/go kuukp"vtwem'cpf 'y j g' kphcwtwewt'g'y j cv'y kn'dg'pggf gf 'vq'uwr r qtv'y j go 'y qwf 'dg'r ctvewrctn' 'xcwcdng'kp"cfxcpeg'qh' y j g'4246'htuv'eqo r rncpeg'r gtkf. 'r tguwo kpi 'y j cv'o qxgu'hqy ctf 0K'qv gt 'cevxkkgu. 'y j g' gtq/ go kuukp"cktr qtv'uj wrg'tgi wrcvkp'ku'pgctn' 'hpcrk gf 0'Vj g { 'f kf 'pqv'j cxg'c'qv'qh'ewtgpv' { gct" hwpf kpi 'r ncpu'y j cv'y gtg'ukm'i qkpi 'vq'dg'kf gpv'hgf 'htqo 'cm'qh'y j g'ci gpeku'y j g { 'g'h'ckn' 'y gmi' eqqngf 'cv'y ku'r qkp'0Qpg'tgeqo o gpf cvkp'hqt'cp'qr r qtwpk' 'hqt'y j g'O UTE. 'dg { qpf 'y j g'f kgev' kpxguo gpw'y j cv' { qw'ej qqug'vq'o cng. 'ku'y j cv'cm'qh'y j g'ci gpeku'y j cv'y g'cmgf 'vq'y cpvgf 'vq' j cxg'c'tgi wrct 'f kcmi wg'ur genkpi 'cdqw'4242'cpf 'dg { qpf 0'K'y j cv'ko g'htco g'dwf i gw'ctg'pqv' { gv'ug'hqt'xctkquw'r tqi tco u'cpf 'y j g'O UTE'eqwf 'r tqxkf g'c'tgcm' 'eqo r gmkpi 'r gtur gev'xg'qh' hwpf kpi 'pggf u'cpf 'cnu'qh' { qwt'r tktkkgu'y j gtg' { qw'ctg'mqmkpi 'vq'kpxgu'cpf 'y j gtg' { qw'ctg' pggf kpi 'cf f kkpccn'ucv'gt'qv' gt'tgi kppcn'f qmctu0Y kj 'tgi ctf u'vq'qr r qtwpkkgu'hqt" gpi ci go gpv. 'htuv'qh'cm'cetquu'y j g'dqctf. 'y j gtg'ctgpv'whh'ekgpv'kpegpv'xgu'vq'o qdkk g'y j g' vcpukkp'qh'j gcx { /f w { 'xgj kengu'vq' gtq'cpf 'pgct/ gtq/go kuukp0'K' r ctvewrct. 'y j gtg'ctg'i cr u' hqt'qh'h/tqcf 'j gcx { /f w { 'xgj kengu'qt'tven'tgh'ki gtcvkp'wpk/kphcwtwewt'g'y j gtg'y j gtg'o c { 'dg' uqo g'eqputckpu'ewtgpw' 'hqt'O UTE'hwpf kpi 0Y g'y cpv'vq'f q'cp'cpcn'uku'qh'ewtgpv' gtq/ go kuukp'hqtmk'h'r tqlgew'kp'y j g'Krcpf 'Go r ktg. 'dqv'j 'j { f tqi gp'cpf 'grgevk0Cnu'y j gtg'y j gtg'c" hgy 'tgeqo o gpf cvkpu'vq'tgcm' 'mqm'cv'y j gtg' { qwt'f qmctu'ecp'dgpg'h'f kucf xcpvi gf " eqo o wpkkgu0'Vj tgg'qh'y j g'v'p'f guki pcvgf 'CD'839'eqo o wpkkgu'ctg'y j kj kp'O UTEu' lwkuf levkp'cpf 'y j gtg'eqwf 'dg'uqo g'tgen'qr r qtwpkkgu'vq'eqmcdqtcv'y kj 'Uqwj 'Eqcu'cpf " CTD'ctqwpf 'y j cv'0' "

Y kj 'tgi ctf u'vq'y j g'Ecrkhtpke'Gpgti { 'Eqo o kuukpau'Cngtpcvxg'cpf 'Tgpgy cdng'Hwgn'cpf " Xgj keng'Vgej pqm { 'Rtqi tco. 'y j cv'ku'rti gn' 'f gxgnr gf 'hqt'y j ku' { gct'dw'y j g { 'y qwf 'y grego g' { qwt'kpr w'kp'cp'qpi qkpi 'y j c { 0Vj gtg'ku'cp'kpxguo gpv'r ncp'qr r qtwpk' 'i qkpi 'hqt y ctf 0Vj g'pgy " Vtcur qtvcvkp'Gpgti { 'Eqo o kuukpgt. 'Rcw' 'O qpcj cp. 'y j q'y g'xg'y qtngf 'y kj 'gzvgpukgn' 'hqt' y j g'wv'v'p' { gctu'kp'j gt'ecr cek' 'cv'y j g'Gpgti { 'Hqwpf cvkp. 'y kn'dg'ngcf kpi 'c'qv'qh'y j ku'y kpnkpi " ghqt'v'cv'y j g'EGE'cu'y gn0Uq'y j gtg'ctg'uqo g'i qqf 'qr r qtwpkkgu'kp'y j g'hwwt'g'dw'r tqdcn' 'pqv' kp'y j g'pgct/vgo 0' "

Ktgcml'y cpv'v'j'j cpmlP cxggp'Dgtt{'cpf'j'ku'eqmgi wgu'hqt'v'ggkpi 'w' 'uqo g'qh'j'g'ewttgpv'cpf' r tqur gev'xg'Uqwj 'Eqcu'r tqi tco u.'o cp{'qh'y j'kej 'y g'tg'qpg/vko g'hwpf gf.'j'cv'eqwrf'r tqxkf g' cp'kpvtgukpi 'vgo r m'v'g'hqt'j'g'O UTE'ko o gf'k'vgn'v'j'grr 'f'k'cf xcpwci gf 'uo cm'qr gtcvqt' w'twngtu'j'cv'f'qp'v'j'cxg'ceeguu'v'j'g'ecr kcn'v'j'o cng'uqo g'qh'j'gug'v'cpuk'k'qpu'OP cxggp.'y kj' " O UTE'O go dgt'Tgz'Tlej ctf uqp.'uj c'tgf 'v'y q'o ggkpi u'ci q'j'ku'kf gc'qh'j'g'v'kr ng'tcf g'f'qy p0" Vj g'EctnlO q{gt'Rtqi tco 'ewttgpv'v'j'g'x'g'p'w'v'q'w'htqo 'f'q'kpi 'j'ku'v'kr ng'tcf g.'y j'gtg'v'q'w' cewcm'v'j'g'v'c'pgy gt'v'twem'kp'v'j'g'j'cpf u'q'h'c'dki 'qr gtcvqt'cpf 'j'gk'4236'qt'dgwtg'twem'eqwrf' i g'v'ugr r gf'f'qy p'v'q'c'uo cm'qr gtcvqt'qr gtcv'kpi 'c'r'tg/422: 'v'twem'cpf'v'j'g'v'eqo o g'puw'c'v'g' go kuukap'dgpg'hku'cm'v'j'q'w'j'j'v'j'g'uwr r n'f'ej'clp0Cu'v'q'w'q'w'g'cej 'eqqtf'k'p'cvqt.'k'y cu'cp' cr r g'c'kpi 'g'ngo gpv'qh'y j'cv'y g'y g'tg'm'q'kpi 'c'v'0K'CD'438.'ecmgf'I'k'cp'k'u'Dkm'i'k'x'gu'o q'tg' m'v'kwf g'v'j'g'EctnlO q{gt'Rtqi tco.'j'gtg'o c{'dg'o q'tg'f'k'et'g'v'k'p'v'j'gtg.'dw'k'u'q'w'p'f'u'k'ng'k'u' cny c{'u'cp'q'x'g'tu'w'duet'k'dgf'r tqi tco 'i'g'p'g'tcm'v'cpf'j'ku'o c{'dg'uqo g'v'j'kpi 'v'j'm'q'm'kp'v'q'0' "

Y kj'tgi ctf u'v'j'g'XY 'O kki cv'k'p'Rtqi tco.'j'gtg'ctg'c'eqw'ng'qh'r tqi tco u'v'j'k'j'rk'j'v0'Vj g' Uqwj 'Eqcu'v'y km'dg'cf o k'p'k'ng'tkpi 'j'g'\ gtq'Go kuukap'E'm'u': 'H'g'k'j'v'cpf'Rqt'v'F'tc{ci g'V'twem' cu'y gm'cu'v'j'ku'eqo dw'k'p'v'j'g'k'j'v'k'p'k'v'x'g'v'j'cv'u'k'p'f'g'x'g'ng'r o gpv.'m'q'kpi 'cv'E'm'u'9'cpf' ". Nqy 'P Qz'v'twem'0'Vj g't'g'u'c'v'j'q'w'j'v'g'c'f'gtuj kr 'eqo r q'p'g'p'v'y j'gtg'y g'y cpv'v'j'k'k' wtg'q'w'j'qy " O UTE'ecp'j'cxg'uqo g'h'kpi gtr'tk'p'u'qp'v'j'g'f'g'uk'p'q'h'h'w'w't'g'k'p'k'v'x'g'u'v'j'cv'eqwrf'ng'x'g'tci g' c'f'f'k'k'q'p'cn'f'q'm'ctu.'y j'g'v'j'gt'q't'p'q'v'j'g'O UTE'w'ko c'v'gn'f'g'ek'f'gu'v'j'cv'v'j'cv'u'c'eqt'g'ngo gpv'qh' {q'w'r tqi tco 'f'g'uk'p0P cxggp'c'ng'qr'q'k'p'v'g'f'q'w'v'j'cv'v'j'g'Dc{'C'tgc'C'k'S'w'cr'k'v{'O'c'pci go gpv' F'k'ut'ev'ku'o c'pci kpi 'cp'q'v'gt'U'c'v'gy k'f'g'XY 'Rtqi tco.'j'g'\ gtq'Go kuukap'H'g'k'j'v'Rtqi tco " v'j'cv'u'j'cr r g'p'kpi 'eq'p'ew'tt'g'p'w'v'j'cv'v'ku'cp'q'v'gt'qr r q't'w'p'k'v'v'j'v'j'g'z'r'q't'g'0'E'g't'v'k'p'v'j'gtg' ctg'qr r q't'w'p'k'k'gu'v'j'eq'p'v'p'w'g'v'j'r'ct'v'p'gt'cpf'eq'm'd'q't'c'v'g'cpf'v'j'k'p'v'j'q'w'j'j'qr r q't'w'p'k'k'gu'v'j'gtg' v'j'g'O UTE'cpf'Uqwj 'Eqcu'v'CS O F'ctg'hwpf kpi 'u'q'w'tegu0' "

Y kj'tgi ctf u'v'j'g'E'cr'k'q't'p'k'v't'c'p'ur q't'v'k'p'p'E'qo o kuukap.'UD'3'hwpf gf'v'j'g'v'tcf g'E'q't't'k'f'q't' G'p'j'c'p'ego gpv'Rtqi tco 0C'r'r'k'ec'v'k'p'u'ct'g'p'v'eqo kpi 'w'r'w'p'k'i'42420'U'ko k'c't'n'f'v'j'g'U'q'w'k'p'u'hqt' Eqpi g'ug'f'E'q't't'k'f'q'tu'Rtqi tco 'j'cu'h'q'w't'v'g'tu'q'h'hwpf kpi 0Y g'v'j'k'p'v'j'gt'g'u'cp'qr r q't'w'p'k'v'v'j'k'h'v'g' O UTE'y cu'kp'v'gt'g'ug'f'k'p'm'q'kpi 'cv'f'g'x'g'ng'r kpi 'uqo g'qh'j'g'q'ug'r quv'4242'r'nc'pu'0Y kj'v'j'g' q'r r q't'w'p'k'v'v'j'g'v'j'g'v't'c'p'ur q't'v'k'p'p'E'qo o kuukap'v'j'k'p'v'j'q'w'j'j'uqo g'qh'j'g'q'ug't'g'c'r'k'v'k' u'w'v'k'p'cd'k'k'v'v'j'g'O UTE'eqwrf'dg'c'x'c'w'g'c'f'f'g'f'tgi k'p'cn'x'q'leg'k'p'v'j'q'ug'f'k'ue'w'uk'p'u'0' "

Cv'v'j'g'R'q't'w'q'h'N'qu'C'pi g'ru'v'NC+'cpf'N'qpi 'D'g'cej.'y g'g'g'cewcm'v'y'c'k'k'pi 'h'q't'c'l'q'k'p'v'r'q'r'qu'cn' q'h'r't'q'lg'ew'h'q'o 'v'j'go 0l'q'w'ctg'cy'ctg'qh'v'j'g'i't'g'g'p'kpi 'qh'v'j'g'R'q't'w'v'eqo o ko g'p'w'v'cpf'v'j'gt'g'u' m'q'w'q'h'c'w'g'p'v'k'p'cpf'm'q'w'q'h'f'q'm'ctu'v'j'cv'j'cxg'd'g'g'p'i'q'kpi 'v'q'y ctf u'v'j'cv'dw'm'q'w'q'h'i'cr u'v'j'cv'u'k'm' t'go'cl'p'0K'o c{'dg'cp'ctg'c'v'v'j'q'w'ej'q'q'ug'v'j'd'gi'k'p'q'p'0O'ct{'N'g'ur'k'g.'v'j'g'j'g'cf'qh'v'j'g'N'qu' C'pi g'ru'D'w'uk'p'gu'E'q'w'p'ek'n'j'cu'd'g'g'p'v'cm'kpi 'v'j'g'j'g'cf'qh'v'j'g'NC'R'q't'v'cd'q'w'et'g'c'v'kpi 'uqo g' p'gy'r't'k'x'c'g'ug'v'q't'h'k'p'c'p'ek'n'l'p'ut'w'o g'p'w'v'j'cv'eqwrf'j'g'r'y'kj'm'y/k'p'v'gt'g'u'v'm'c'pu'0'E'q'w'f'y'g' et'g'c'v'g'c't'g'x'q'k'k'pi'k'p'eg'p'v'x'g'r'q'q'n'cu'qr r q'ug'v'j'l'w'u'v'j'g'q'p'g'v'ko g'k'p'eg'p'v'x'g'u'v'j'cv'ct'g'p'v' u'w'h'k'eg'p'v'v'j'g'p'w'o d'gt'q'h'R'q't'v'r't'q'lg'ew'U'q'r'q'v'g'p'k'cm'v'j'cv'k'p'p'q'x'c'v'x'g'h'k'p'c'p'ek'n'l'q'f'w'v'q't' t'g'ug'c'tej'ct'q'w'p'f'uqo g'v'j'kpi'k'ng'v'j'cv'ku'uqo g'v'j'kpi'v'j'cv'y g'y'cp'v'g'f'v'j'v'j'q'y'k'p'v'j'g'o'kz.'k'p' c'f'f'k'k'q'p'v'j'g'v'k'c'p{'qh'r't'q'lg'ew'v'j'cv'ct'g'j'cr r g'p'kpi'<g'x'g't{v'j'kpi'h'q'o'v'j'g'j'f'f't'q'i'g'p'h'w'g'n'eg'm' v'twem'f'go q'p'ut'c'v'k'p'r't'q'lg'ev'j'cv'V'q{q'v'ku'r'k'q'p'g'g't'kpi.'d'c'w'g't{/g'g'ev't'k'j'g'cx{/f'w'v'v'twem'v'j'kj' " F'c'k'o'ngt.'v'j'g'm'y'P Qz'p'c'w't'cn'i'cu'v'twem'f'g'r'm'j{o'gpv'y'ct'g'j'q'w'ug'u'q'ng't'cttc{u'v'j'cv'ct'g'i'q'kpi'v'j'q' "

r qy gt "qp/ukg"grgevtkecn'gs wkr o gpv'cpf "xgj kengu."cpf "c"j quv'qh'r tqlgew'cv'yj g'Rqtv'qh'Nqpi "Dgcej 0C"mqv'qh'yj g'qh'h/tqcf "gs wkr o gpv'cv'yj g'Rqtu'f qgupw'uggo "q"j cxg"uw'hlekgp'hwf kpi "kf gpw'hkgf 0Vj cv'y cu'qpg'ctgc'yj cv'y cu'r ct'kwrcn'f "hrci i gf "cu'cp'qr r qtwpk'v'q'iqm'nc'v'cpf "y g"mqm'hqty ctf."j qr ghwm' "y kj kp'yj g'pgzv'yj ggm'qt "vy q."q'dgkpi "cdng'v'q'r tqxkf g'c'hwm'hku0"

Y g'dt'ghn'f "eqppgevgf "y kj "Uqwj gtp'Ecn'hqtpkc"Gf kuq0Vj g{æg'i qv'ugxgtcn'j wpf tgf "o krikpp"fqmctu'hqt'O cng'Tgcf { "GX"lph'cutwewtg'Rtqi tco u."dw'yj gtg'ctg'o cp{ "i cr u0Kau'cnuq'wpergt"y j gj gt'yj gtg'ku'c'r rcp'cmppi "y g'932'Eqtktf qt "q'iqm'nc'v'yj gtg'yj gtg'eqwf "dg'ej cti kpi "qwukf g"y j g'r qt'v'q'q'qh'Gf kuq'kpxguo gpw0Vj g{ "kpxkgf "wu'q'f q'uqo g'hqmy /wr "eqpxgtuc'kpu'v'q"dgwgt'w'pf gtucpf "y gkt'r rcp'qh'c'wcn'hqt'f kur gtukpi "y qug'f qmctu."r ct'kwrcn'f "cv'yj g"y ctgj qwugu."cpf "y j gtg'yj gtg'ctg'i cr u'htqo "y j g'wkrk'f "hwf kpi 0"

Cu'Ko gpw'qpgf "y g'o gv'y kj "Nqu'Cpi grgu'Engcpvgej "Kpewdcvt "NCEK."cpf "y j g{ "lwuv"eqo r ngvgf "cp'cpcn'f uku'y kj "o cpw'cewtgtu'cpf "y kj "o cp{ "qh'yj g'ucv'g'cpf "tgi kpcn'ci gpekgu'qp"y j g'ucv'g'qh'yj g'o ctngv0Qp'yj g'grgevtke'ukf g'qh'kv."y j gtg'ctg'f k'hgtgpv'tcvgu'qh'r tqi tguu'htqo "gzku'kpi "cpf "u'ctwr "eqo r cplgu0Cpf "c"mqv'qh'r kqv'r tqlgew'ctg'i qkpi "q'dg'pggf gf "q'r tqxg'yj g"eqpegr w'cpf "y g'ug'uj qwf "dgi kp'v'q'gxqk'g'yj g'o ctngv'rcg0Vj g{æg'kpxkgf "y j g'O UTE "v'q"r qv'p'kcm'f "dg'c'hqto c'n'qt'cp'kphqto c'n'ucngj qrf gt'cpf "y g'm'dg'eqppgevkpi "kp'yj g'pgzv'yj ggm'qt"uq0Cu'y g'yj kpm'cdqw'yj g'r tkuo "qh'yj g'4: yj "Qn'f o r leu'cpf "y j cv'yj g'kpxguo gpv'r qt'v'q'q'kp'yj g"Uqwj "Eqcu'eqwf "iqm'hkng."y j cv'u'cp'kpwgtgukpi "r tkuo "q'iqm'nc'v'0I gpgtcm'f "y j g{æg't{ kpi "v'q"o cng'kpxguo gpw'kp'qwt'tgi kpp'v'q'tgf weg'ckt'r qmw'kqp'd{ "47" "kp'yj g'pgzv'gp" { gctu."y j kej "ku"cp'ci i tgu'kxg'j gcx{ "rkh0Dw'k'u'c'i tgc'v'r qqn'qh'qecn'cpf "ucv'g'yj qwi j v'ngcf gtuj kr "cpf "o cpw'cewtgtu'yj cv'ctg'cv'yj g'cdng'cpf "y g'yj kpm'y qwf "dg'c'wughw'r ggm'v'q'i gvc'upcr uj qv'qp"tgc'n'ko g'gej pqm'j { "f g'xgr o gpw'htqo "y j g'j gtq/go ku'kqp'ugevt'kp'r ct'kwrcn'0"

Y g'ur gpv'ukz "y ggm'cpf "y g'y cpvgf "v'q'ur gpf "cdq'w'yj g'xg'o qtg'tgcm'f "f ki i kpi "kp'v'q'uqo g'qh"y j g'ug'r tgrko kpc'f { "h'p'f kpi u'cpf "y j g'i cr u'kp'yj g'qwtgcej "kpwgtxky "cpf "t'gugctej "y cv'y g'y gtg"cdng'v'q'eqpf wev0Vj g'eqpenwukpu'y j kej "u'ctv'qp'r ci g'38'qh'qwt'tgr qt'v'ctg'o qtg'kp'f gr yj "y j cp"y j g'ug'ewtuqt { "r kgegu0Y g'y cpv'v'q'i gv'yj ku'r tqlgev'ku'v'cpf "c'v'ko g'kpg'qxgt "y j g'pgzv'h'kxg" { gctu"htqo "y j g'Rqtu'qh'NC"cpf "Nqpi "Dgcej 0Y g'yj kpm'yj gtg'u'cp'qr r qtwpk'v'q'i gv'kp'v'q'yj cv'o qtg"uki p'k'hecpw'f "cpf "ugg'h'yj gtg'kup'w'c'w'pks w'g'p'lej g'yj cv'yj g'O UTE "ecp'h'km'r gtj cr u'v'q'grgxcw'g"kpxguo gpw'yj cv'y qwf "t'gcm'f "dgp'gh'v'q'ecn'v'wen'f tkxgtu'cpf "y j g'eqo o w'p'k'kgu'yj cv'ctg'uq"ko r cev'gf "d{ "v'wen'v'ch'he0Vj g'Engcp'V'wen'V'tcf g'r tqi tco "cpf "y j g'qr r qtwpk'kgu'yj cv'eqwf "gzku'yj gtg'yj gtg'o gpw'qpgf 0Y g'yj gtg'g'p'eqwtci gf "d{ "CTD."Uqwj "Eqcu'CS O F."cpf "y j g'Rqtu"v'q'iqm'gur gekcm'f "cv'qh'h/tqcf "xgj kengu"cpf "gs wkr o gpv'yj j gtg'yj gtg'uggo u'v'q'dg'c'dki "i cr "cpf "c"dkl "f gnc'qh'go ku'kqp'u'tgf we'k'p'u'yj cv'ecp'i gv'emugf "h'yj g'gej pqm'j { "ecp'dg'f gr m'j gf 0Y g"y j kpm'k'eqwf "r c{ "qh'h'v'q'ur gpf "v'ko g'g'zr m'q'kpi "qr r qtwpk'kgu'dg{ qpf "y j g'ci gpekgu0Uq."dg{ qpf "y j g'NCEKy qtm'y g'y qwf "cnuq'yj qtm'emugn'f "y kj "Laj p'Dagugn'cpf "y j g'v'gco "cv'Ecn'U'ctv0Vj gkt"o go dgtu'ctg'o quv'qh'yj g'o clqt'o cpw'cewtgtu'cmppi "y kj "y j g'Ecn'hqtpkc'G'gevtke'V'tcpur qt'v'k'qp"Eqcrk'kqp."y j qug'o go dgtuj kr "ku'yj g'o cpw'cewtgtu'cpf "y j g'w'k'k'kgu0Vj g{ "ctg'dqj "ci i tgu'kxg"cf xqecv'gu'kp'yj g'ur ceg'v'q'j gr "r wuj "ucv'g'r q'k'le { "h'w'yj gt'dw'yj g{ "cnuq'j cxg'yj gkt'yj wo d'qp'yj g"r wug'qh'c'qv'qh'i cr u'y j gtg'yj gtg'eqwf "dg'c'pggf "h'q't'hwf kpi ."uq'yj cv'u'qpg'qh'yj g'ctgcu'yj j gtg"y j g'y cpv'v'q'o cng'uw'g'yj cv'y g'ur gpf "o qtg'v'ko g0Y g'æg'cnuq'r q'k'ugf "v'q'hqmy "wr "dqj "y kj "cf xqecv'gu'cpf "grgevgf u'kp'yj g'CD'839'eqo o w'p'k'kgu0Y g'yj kpm'yj cv'yj gtg'u'c'tgc'n'qr r qtwpk'v'q'v'q"



vgcug'qww'y j cv'r ctvewrt 'lpxguo gpw'eqwf 'dg'o cf g'y gtg0Co c| qp'cpf 'qy gt'y ctgj qwugu'ctg"  
 qy gt'ctgcu'y cv'y gog'tgcm{ 'cpzkwu'v'f ki 'lpvq.'cnuq.'y kj '{qwt'VCE0'Vj g'kpcpf 'Go r kg'ku"  
 y j gtg'y g'r qmwkqp'tguf gu'cpf 'y j gtg'o qtg'cpf 'o qtg'qh'y gug'y ctgj qwugu'ctg"  
 i qkpi 0'kpxgukpi 'kp'tghwgrki 'lphctvewwtg'cpf 'ej cti kpi 'lphctvewwtg'ku'i qkpi 'v'pggf 'v'dg"  
 hki wtgf 'qww'cu'y gm0Uq'y cvu'egtckpn{ 'uqo gyj kpi 'v'f ki 'lpvq'hwty gt0"  
 "

Vj gtgaw'hmny /wr 'y cv'y g'tgeqo o gpf 'f qkpi 'y kj 'y g'EGE.'Gf kuqp.'cpf 'Uqwj gtp'Ecrkqtpk"  
 I cu'Ego r cp{ 'cu'y gm'cu'y g'Nqu'Cpi grgu'F gr ctwo gpv'qh'Y cvgt'cpf 'Rqy gt0'Cpf 'y gp'y tqwi j "  
 dqy 'y g'NCEKr tqlgcv'cpf 'uqo g'qh'qwt'qy p'qwtgcej . 'y gtg'ctg'ej cti kpi 'cpf 'o cpwcewtg"  
 eqo r cplgu'y cv'y gtg'pqv'kp'y g'htuv'r j cug'qh'f kuewukpu0'Y g'j cxg'uj ctgf 'y gug'hkp'kpi u'y kj "  
 {qwt'cpf 'qh'eqwtug'y kj '{qwt'VCE'cpf 'y gog'gzekgf 'v'y qtnly kj 'y go 'kp'y g'kpf 'qh'f kxkqp"  
 qh'r tkqtkkgu'y cv'y g{ 'kf gpv'kkgf 'cv'y gk'rcu'v'o ggwpi <Kpcpf 'Rqtu.'y g'Ncu'V'kg.'O ctkko g"  
 Rqtu.'cpf 'y g'P gct/\ gtq'VtwemEqqr gtcv'xg0"  
 "

O UTE'O go dgt'LceniMkqy unk'cungf 'tgi ctf kpi 'y g'f kuewukqp'qh'y cv'r kqv'r tqi tco . 'j qy 'hct"  
 cmipi 'ku'y cv'cv'y ku'r qkpvAJ cu'k'rcwpej gf 'qt'j cxg'{ qwt'gr mceg'xgj kengu'kp'y cv'  
 r tqi tco AP cxggp'Dgtt{ . 'Cuw0F gr w{ 'Gzgewkxg'Qhkegt'tgr rkgf 'y gog'f qkpi 'y g'vcf g'f qy p"  
 y kj 'uqo g'WUOGRC'hwf u'cv'y g'o qo gpv'cpf 'y gog'mqmkpi 'cv'cuq'GRC'hwf u'kp'eqo dkpcv'kp"  
 y kj 'Ectn'O q{ gt'v'f q'j g'meqo qv'xg'r tqlgcv0Y g'j cxg'pqv'ko r ngo gpvgf '{ g'vukpi 'uvcg'hwf u"  
 hqt'y cv0O t0Mkqy unk'eqo o gpvgf 'kai'ej cmgi kpi 0'Y gog'v'kgf . 'kai'c'dk'qh'y g'J qn{ 'I tck0'  
 Dgecwug'y j cv'{ qwt'g'i gwpi 'cv'y gtg'ku'y g'geqpqo leu0'Vj qug'y j q'ecp'chhqt'f 'c'pgy 'twem"  
 y j gtg'y g'kpegp'xgu'ctg'tgcm{ 'hgewugf . 'f qpø'j cxg'y g'qrf 'twem'y cv'pggf u'v'dg'uetcr r gf 0'K'  
 {qwt'y cpv'v'g'v'Ukr'etgf k'htqo 'hgf gtcn{ qxgtpo gpv.'{ qwt'y cxg'v'uetcr 'c'twem'cv'y g'gpf 'qh'  
 y ku.'uq'uqo gj qy '{ qwt'y cxg'v'w'y qug'v'gi gyj gt'cpf 'k'ku'j ki j n{ 'f guktcdng'v'v't '{ 'cpf 'f q'y cv0'  
 Y gog'v'kgf 'v'f q'k'v'y leg'hqt'twem'cpf 'qpeg'hqt'r ctvewr'v'kngtu0'Cm'y tgg'qh'y qug'j cf "  
 o wej 'rgu'y cp'y g'j cf 'j qr gf 'hqt'tguwu0'Kai'wuv'uq'cf o kpkv'cv'xgn{ 'j gcx{ 'cpf 'gxr gpuk'g0'  
 Dcukcm{ . 'kh'cp{ dqf { ai'j kxkpi 'wr 'y g'twem'y cv'htuv'pgg. 'y gtg'ctg'wuwcm{ 'kuwgu'cuuqekv'gf "  
 y kj 'k'cpf '{ qwt'qpø'y cpv'v'q'r cuu'k'f qy p'v'v'y g'pgz'v'wugt.'uq'y gog'j cf 'c'mv'qh'ej cmgi gu0'  
 Y g'j cxg'c'tcevt'vcf g'f qy p'kp'Ucp'Lqcs wkp'Xcmg{ 'y gog'f qkpi 'pqy 'cpf 'y cv'y cu'uqo g'htkn"  
 i qqf 'uweegu0Uq'o c{ dg'y gtg'ku'cp'cdk'k{ 'v'wtp'y g'eqtpgt.'dw'k'ku'xgt{ 'rcdq/ kpgpuk'xg'v'f q"  
 y cv0O t0Dgtt{ 'eqo o gpvgf 'j g'eqwf pø'ci tgg'o qtg0'Y gog'v'kgf 'y qpg'y tqwi j 'y cv'gz'gtekug'cpf "  
 y j cv'y gog'v't{ kpi 'v'f q'ku'v'guxcdkuj 'c'r tqv'eqn'y cv'ecp'dg'hmny gf 'cpf 'o cng'uwg'y cv'y g"  
 ecp'xcrkf cvg'cpf 'xgtkh{ 'y cv'kpf ggf 'y g'qrf guv'twem'y cu'dggp'uetcr r gf 0Qwt'f k'gevkqp'j cu'dggp"  
 v'g'zr mtg'y ku'dgecwug'y gtgaw'tgo ckpki 'geqpqo le'kkg'ghv'cpf 'y g'gpi kpg'kkg'cu'y gm0Y g"  
 y cpv'v'q'o cng'uwg'y g'g'zr mtg'cp'qr r qtwpkv{ 'v'pqv'gv'y cv'tgo ckpki 'geqpqo le'kkg'r tqf wv'dg"  
 uetcr r gf 'qt'f guv'q'gf . 'y cvu'y g'o qv'xv'kp'dgj kpf 'k0Uq.'y gog'v't{ kpi 'v'guxcdkuj 'c'r tqv'eqn'  
 y j gtg'y g'ecp'i q'dcem'cpf 'xgtkh{ 'cpf 'xcrkf cvg'cpf 'y gp'y kj 'y g'i qcnf qy p'v'y g'tqcf 'v'dg'cdng"  
 v'f go qpvtcv'v'CTD'y cv'y g'j cxg'y g'u{ ugo 'f qy p'pqy 0"  
 "

O UTE'Ej ck'Nctt{ 'O eEcmqp'cungf 'y j cv'kpf 'qh'r tqi tco 'f q'{ qwt'y cxg'hqt'v'cmkpi 'y g'twem'AI  
 O t0Dgtt{ 'tgr rkgf 'y gog'v'ukpi 'WUOGRC'i tcpw'v'y g{ 'f qpø'j cxg'y g'uco g'v'r g'qh'eqpegtpu"  
 v'qf c{ 0Uq.'y j cv'y gog'f qkpi 'ku'guxcdkuj kpi 'qwt'kpkcn'r tqv'eqn'dcugf 'qp'y cv'r tqi tco 0'Y g"  
 uctv'gf 'y kj '32'twem'y gtg'4234'cpf 'pgy gt'twem'ces v'kgf 'mccm{ 0'Vj qug'mecn'hggw"  
 tgegkxg' dtcpf /pgy 'pgct' gtq'go kukqp'twem'y kj 'y g'34'rkgt'gpi kpg'cpf 'y qug'4235'twem'

ctg'pqy 'f kur mēkpi '3; ; : 'vq'4222.'4223'twem'wr 'ctqwpf 'v' g'Ugcwng'r qtu0'Kj cu'pqv'dggp'gcu{ .  
 dw'egtckpn{ 'y gōg'uctvki 'vq'ngctp'uqo g'nguqpu'qp'j qy 'vq'tcem'cpf 'xgtkh{ 'v' qug0Y g'gpf gf "  
 wr 'cewcm{ 'ugpf kpi 'uchh'qww'v' gtg'vq'xgtkh{ 'cpf 'xcrkf cvg'gxgp'v' qwi j 'y g'eqpvtcevgf 'qww'y kj "  
 Rwi gv'Uqwpf 'cpf 'tckpgf 'v' gkt'uchh'vq'f q'kv.'dw'y g'lwv'y cpv'vq'o cng'uwg'v' cv'gxgt { v' kpi 'y cu "  
 f qpg0O t0Mkqy unk'cf f gf 'y gōg'i qkpi 'vq'j cxg'vq'v' kpm'utcvgi kcm{ 'qp'j qy 'v' cv'o wmk'ugr "  
 r tqi tco 'y qwr 'y qtm'i qkpi 'hqt' y ctf 0' qw'o c { 'tgo go dgt 'v' g'Vtwem'cpf 'Dwu'Twng'uctvu'c "  
 r j cug/qw'qh'cp{ v' kpi 'v' cv'u'qrf gt 'v' cp'4232'uctvki 'kp'4242'cpf 'kxu'i qkpi 'vq'dg'tgkphqtegf 'd { "  
 F O X'ej gem0Uq.'v' g { 'y qpōv'dg'cdrg'vq'tgi kvg't 'v' gug'xgj kengu'cpf 'y kn'dcukcm{ 'pggf 'vq'dg "  
 tgr mēg'cm'qh'v' go 'dgvy ggp'4242'cpf '42450Vj gtg'ku'c'ndpf 'qh'iko kgf 'rhg'qp'v' g'o wej 'qrf gt "  
 qpgu'v' g { 'm'dg'ucter r gf 'qt'o qxgf 'qww'qh'ucv'g'qp'v' gkt 'qy p'cp{ y c { 0O t0Dgtt { 'cf f gf 'v' cv'u "  
 r tgekugn{ 'y j cv'u'o qv'xcvki 'wu'vq'hqewu'v' gug'ghqtu'lvq'v' g'uo cm'lpf gr gpf gpv'qy pgt/  
 qr gtcvqtu'qt'o qo 'cpf 'r qr 'eqo r cpgu'v' cv'j cxg'ngu'v' cp'hxg'v'wem'dgecwug'v' g { 'f qpōv'j cxg'c "  
 o gej cpluo 'vq'f c { 'qt'hkpcpekpi 'ecr cdkk{ 'vq'uctv'ceegngtcvki 'tgr mēgo gpw'vq'o ggv'v' qug "  
 tgs vkt go gpw0Uq'v' cv'u'y j { 'kxu'tgcm{ 'ko r qtwcpv'v' cv'y g'mqm'cv'v' ku'cur gev.'uqpgt'tcv' gt 'v' cp "  
 m'vgt0O t0Mkqy unk'cf f gf 'v' cv'v' g'lphtcutwewt'g'y j lej '{ qw'o gpv'qpgf 'ku'qpg'qh'v' g'ctgcu'vq "  
 o qxg'qp.'v' cv'u'cp'ctgc'v' cv'j cu'egtckpn{ 'v' g'w'kkkgu'kp'v' cv'ur ceg.'v' g'Rwdn'Wkklkgu "  
 Eqo o kuukqp'cpf 'EGE'ctg'kp'v' g'ur ceg'dw'kxu'v' g'lphtcutwewt'g'v' cv'y qttkgu'o g'o qtg'v' gug "  
 f c { u'v' cp'v' g'xgj kengu'v' go ugrngu0'Vj g'xgj kengu'cpf 'v' g'gej pqm { 'uggo u'vq'dg'gxqk'kpi . 'cpf "  
 equu'uggo 'vq'dg'eqo kpi 'f qy p0K'mqmu'rkng'qxgt 'v' g'rhg'e { eng'qh'v' g'xgj keng.'v' g' gtq/  
 go kuukqp'grgevt'le'xgj kengu'y kn'r c { 'hqt'v' go ugrngu'dgecwug'v' g { 'g'ej gcr gt 'vq'qr gtcv'g.'v' gtg'ctg "  
 Nqy 'Ectdqp'Hwgn'Ucpcf ctf 'etgf ku.'cpf 'y g'j cxg'kpegpv'xg'r tqi tco u'vq'j grr 'dtkf i g'v' g'i cr 'kp "  
 v' g'wr htqp'v'equ0K'mqmu'rkng'qxgt 'v' g'rhg'e { eng'qh'v' g'xgj keng.'v' g' gtq/go kuukqp'grgevt'le "  
 xgj kengu'y kn'r c { 'hqt'v' go ugrngu'dgecwug'v' g { 'g'ej gcr gt 'vq'qr gtcv'g.'v' gtg'ctg'Nqy 'Ectdqp "  
 Hwgn'Ucpcf ctf 'etgf ku.'cpf 'y g'j cxg'kpegpv'xg'r tqi tco u'vq'j grr 'dtkf i g'v' g'i cr 'kp'v' g'wr htqp'v "  
 equ'Vj gtg'ctg'cm'v' gug'tgcuqpu'y j { 'v' g'xgj keng'cpf 'ku'j ki j gt'kp'kcn'wr htqp'v'equ'ku'pqv'cu'dki "  
 qh'c'dwtf gp'dw'hrggu'lwv'f qpōv'npqy 'y j cv'vq'f q'cdqww'lphtcutwewt'g.'j qy 'vq'j cpf ng'kv.'v' g "  
 vko g'htco g'lp'xqk'kf 0'Vj gtg'ctg'c'qv'qh'r qqr ng'kp'v' g'ur ceg.'dw'kxu'ukm'tgcm{ 'kp'vko kf cvkpi 'cpf "  
 Kō 'i wguukpi 'v' gtg'ctg'ukm'i qkpi 'vq'dg'c'qv'qh'i cr u'cpcf 'y gōg't { kpi 'vq'hi wtg'qww'y j cv'vq'f q "  
 qwtugrngu'kp'v' ku'ur ceg0 "

O t0O eEcmqp'cf f gf 'dgkpi 'htqo 'Ucp'Dgtptf kq'Eqwpv{ . 'Kō 'cny c { u'lpvgtguvgf 'kp'v' g "  
 y ctgj qwukpi . 'v' g'twem'cpf 'v' g'ko r cev'qh'v' kpi u'f gcrkpi 'y kj 'v' g'y ctgj qwugu'uwej 'cu'v' g "  
 gs vkr o gpv'wugf 'kp'v' g'y ctgj qwugu'qt'lphtcutwewt'g'uw'r r qtvki 'v' g'tghwgnkpi 'cv'v' g'y ctgj qwugu0 "  
 K'egtckpn{ 'ko r cev'v' g'kp'rcpf 'Go r ktg'dgecwug'Uqw'j 'Eqcu'CS O F 'ku'r tqr qukpi 'cp'lpf kt gev' "  
 uqwtg'twng.'y j lej 'Kqr r qug'dgecwug'qh'ku'ko r cev'qp'v' g'y ctgj qwugu0Vj g'dwukpgu'o qf gr'cpf "  
 ku'qy pgtuj kr 'hqt'gcej 'y ctgj qwug'ku'c'rkng'f khgtgpv.'uq.'kxu'c'pli j vo ctg't { kpi 'vq'f gcn'y kj "  
 v' go 0 "

Tc { 'I qtunk'O UTE 'Vgej plecn'Cf xkuqt/Eqpvtcevt'eqo o gpvgf 'vq'ug'v'v' g'uci g'hqt' { qwt'pgzv "  
 o ggwpi . '{ qwt'VCE'j gctf 'v' g'r tguvpv'kq'htqo 'Vj g'Dgwgt 'Y qtrf 'I tqwr 'cpf 'j cf 's wkg'c "  
 tqdwv'f kweuukqp0'F wtkpi 'v' ku'o qp'y . '{ qwt'VCE'ku'j cxkpi 'cf f kkp'cn'o qtg'kpvtgpcn "  
 f kweuukqpu'ugwpi 'v' g'uci g'hqt'v' g'o cvgtkcn'y j lej 'y kn'dg'r tguvpvgf 'vq' { qwt'eqo o kvgg'pgzv "  
 o qp'y 0Kxu'i qkpi 'vq'v'cng'v' ku'qxgtcm'i qqf u'o qxgo gpv.'dtqcf 'ck't's wcrk{ 'kuwg'cpf 't { 'vq'dtgcml "  
 k'f qy p'lpv'v' o qtg'o cpci gcdrg'r kgegu0Vj gtg'j cxg'dggp'hqwt'y j lej 'j cxg'dggp'r tgnko kpctk { "

kf gpxhkf . "dw" { qwt "VCE" j cupw hqto cm { "xqvgf "qp" y go 0Ukpeg" y g { "y gtg" cttgcf { "uj qy p" r wdrnf . "y g" hqwt "ctgcu" y j gtg" y g g" mqnkpi "q" hqewu" cv" hcuvtugctej "cwgpvkp" "q" f gvgto kpg" h" y j gtg" ctg" xkcdng" r ctvgtu j k u" y cv" ecp" dg" hqti gf "ctg" < 3 + "y g" krcpf "r qtu" . "y cvu" mqnkpi "cv" y j g" y ctg j qwug" f kwtkdwkqp" epgvtu" y j lej "ctg" r tko ctkn { "lp" y j g" krcpf "Go r k g 0 = 4 + "y g" o ctkko g" r qtu" . "cu" y cu" cmf gf "q" . "o quv" y j g" eqpvcpgtu" eqo g" k" y j tqwi j "y g" Ucp" Rgf tq" Dc { "r qtu 0 Vj g { g" f qkpi "c" m" v" qh" y qtnidw" y j gtg" ctg" qy j gt" q r r qtwpkkgu = 5 + "y g" ruv" o kg . "y cvu" mqnkpi "o ckn { "cv" y j qug" twemu" y j lej "eqo g" k" v" q" gxgt { qpgu" pgi j dqtj qaf "q" f grkxgt" i qaf u" . "qpeg" y j g" i qaf u" ctg" dtqngp" f qy p" cv" y j g" y ctg j qwug" f kwtkdwkqp" epgvtu = cpf " 6 + "eqpvcpgtu" qh" y j cv" y j g" f kuewukqp" j cu" dggp" y kj "P cxggp" Dgt { "cpf " Lceni Mkqy unk" mqnkpi "cv" cp" kuwg . "uo cmgt" twemu" y j pgt" q r gtcvtu" . "y j lej "y cu" dtqwi j v" w" d { "O UTE" 'O go dgt" Tgz" Tlej ctf uqp" c" hgy "o qp" y u" ci q0" K" y j gtg" c" r tqi tco "y cv" ecp" dg" r w" v" qi g" y j gt" v" q" cuukv" uqo g" qh" y j g" uo cmgt" kpf gr gpf gpv" qy pgt/ q r gtcvtu" qh" twemu" y j cv" r tko ctkn { "f q" f tc { ci g" qw" qh" Ucp" Rgf tq" Dc { "r qtu" A" K" y j gtg" cp" q r r qtwpkkgu" "q" "eqmcdqtcvkgu" y qtnly kj "kpf gr gpf gpv" qy pgt/ q r gtcvtu" qh" twemu" v" q" r w" y j go "k" c" ergcpgt" pgct/ | gtq" go kuukp" twemu" Vj qug" ctg" y j g" hqwt "ctgcu" y j lej "y knj" cxg" udeqo o kwggu" qt" y qtnkpi "i tqw" u" r ctvkr cvg" cpf "eqo g" w" r "cpf" r tguv" uqo g" xkcdng" r ctvgtu j k r "q r r qtwpkkgu 0 C m" i tqw" u" y qwf "dg" mqnkpi "cv" y j g" xgj keng" vej pqm { . "kphcwtwewt" g" cpf "cp { "q r gtcvkapcn" ko r tqxgo gpw" y j cv" ecp" dg" o cf g" v" o cng" y j g" q r gtcvkapu" o qtg" ghlekpv 0 P gzv" o qp" y . "y g" y kn" cnu" dg" dtkpi kpi "hqt" y ctf "hqt" eqpukf gtcvkap" y j ku" y j qng" eqpegr v" qh" y qtnkpi "i tqw" u" J knqtkecm { . " y j g" 'O UTE" cpf "y j g" 'VCE" j cxg" q r gtcvkgf "y kj "udeqo o kwggu" . "v" r kecm { "eqo r tkugf "qh" o go dgtu" qh" y j g" 'O UTE/ VCE 0 Uqo gko gu" y j g" j cxg" j cf "o go dgtu" qh" y j g" 'O UTE" r ctvkr cvg 0 Y j cv" y g g" y j kpnkpi . "i kxgp" y j g" eqo r ngzk { . "ku" y j g" o c { "y cpv" v" q" q r gp" w" v" q" qy j gt" r ctvkr cpw 0 Y g" y kn" qwtgcej "v" y j g" o go dgtu" qh" y j g" 'O UTE 0 Y gam" cnu" r tqdcdn { j cxg" tgeqo o gpf cvkapu" hqt "kpxkpi " qy j gt" ng { "ucngj qrf gtu" . "y j q" dtkpi "ur gekhe" gztvkgu" v" y j g" r tqi tco "cpf" y j gp" cf f kkapcn" Uqwj " Eqcu" CS O F "uchh" hng" Laj p" Mco r c . "y j q" y j g" dgrkxg" ecp" dg" gztgo gn { "xcwcdng" qp" udeqo o kwggu" . "mqnkpi " hqo "y j g" geqpqo k" xkcdk { "r gtur gevkg 0 "

**ACTION:** P q" hwt y j gt" cevkap" ku" ts wktgf 0 "

"

### Agenda Item #8 – Other Business

"

P q" qy j gt" dwukpguu" y cu" kptqf wegf 0 "

"

### PUBLIC COMMENT PERIOD

RWDNKE "EQO O GP V< Vgtgpi "Vqr lkcp" . "hwpf gt" qh" J cxg/ C/ I q0 kko "y qtnkpi "y kj "NC" Eqo o qvkap" cpf "y j g" Ewxgt" Ek { "Ctu" F kwtlew 0 Y g g" y qtnkpi "qp" cp" Ctv" Y cm { cpf "Tqn 0 Kku" cp" ctv" cpf "o letq" o qdkk { "hguukxcr 0 Ncu" { gct . "y g" j cf "37.222" hqmu" cwgpf kpi 0 K" y cu" c" o clqt "utggv" emuwg 0 Y g g" tgcmm { "kpvgtgugf "k" r tqo qvpi "htuv" o kg lruv" o kg" tcur qtvcvkap 0 Ky cpvgf "q" y j tqy "qw" y q" kf gcu < 3 + "hugpkpi "q" uqo g" qh" y j g" eqpxgtucvkapu" cdqw" y j g" ruv" o kg hngki j v" cpf " i qaf u" o qxgo gpv . "WTD/ G" ku" c" ueqqvg" eqo r cp { "dcugf "k" Rcu" cf gpc 0 Vj g { g" y qtnkpi "y kj "WRU" v" r kqv" c" ruv" o kg hngki "qh" tcur qtvcvkap" hqt" r ctegn" cpf "r cemci gu" . "k" r megu" y j gtg" hngki j v" twemu" qt" xcpu" y qwf "j cxg" c" j ctf "ko g" r ctnkpi "cpf" f grkxgtkpi . "o ctnkpi "y ku" o vej "o qtg"

ghlekp v's wlemt "cpf "equv ghge vxg0Vj ku'ku'c'r qvkv knkf gc'hqt'hwwtg"eqpukf gtevkp"cpf "  
 hwpf kpi ="cpf "\*"4+"hqt"vj g"Ctv'Y cm'y gøtg"vj kpnkpi "cdqw'j cxkpi "c" gtq/go kuukp"mggv'r gtj cr u"  
 j gr kpi "dtkpi "hqmu'vq"vj g"gxgpv'dgecwug'kø'uwej "c'hcti g"gxgpv0Vj gtgø'hqecn'go kuukpu"  
 eqpegtpu"cpf "rctnkpi "eqpegtpu0Y gøtg"vj kpnkpi "cdqw'j qy "vq'i gv'hqmu'hqo "vj g'O gvtq"vq"qwt"  
 gxgpv"cpf "hqo "qwukf g'rctnkpi "hqv'kvq"vj g"gxgpv0"

"

"

## ADJOURNMENT

"

Vj gtg'dgkpi "pq'hwtvj gt"dwukpguu."vj g'O UTE"o ggkpi "cf lqwtpgf "cv'4-6: "r 0 0

"

"

## NEXT MEETING

Vj wtuf c{."Lxpg"42."423;. "cv'4-22"r 0 0"Tqqo "EE: 0

"

]Rtgr ctgf 'd{ "Rgpp{ "Uj cy "Egf knq\_

MSRC Agenda Item No. 3

**DATE:** August 15, 2019

**FROM:** Cynthia Ravenstein

**SUBJECT:** AB 2766 Contracts Administrator's Report

**SYNOPSIS:** This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from May 30 to July 24, 2019.

**RECOMMENDATION:** Receive and file report

**WORK PROGRAM IMPACT:** None

**Contract Execution Status**

**2016-18 Work Program**

On July 8, 2016, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On October 7, 2016, the SCAQMD Governing Board approved three awards under the Event Center Transportation Program and one award for a Regional Active Transportation Partnership Program. These contracts are executed.

On January 6, 2017, the SCAQMD Governing Board approved an award for development, hosting and maintenance of a new MSRC website. This contract is executed.

On April 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On June 2, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On July 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On September 1, 2017, the SCAQMD Governing Board approved one award under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are executed.

On October 6, 2017, the SCAQMD Governing Board approved two awards under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are executed.

On December 1, 2017, the SCAQMD Governing Board approved sole source awards for a Hydrogen Infrastructure Partnership Program, for a Southern California Future Communities Partnership Program, and for electric vehicle charging infrastructure planning analysis. These contracts are executed. The MSRC has replaced the award to the California Energy Commission with a Program Opportunity Notice for the Hydrogen Infrastructure Partnership Program.

On February 2, 2018, the SCAQMD Governing Board approved one award under the Event Center Transportation Program, two awards under the Natural Gas Infrastructure Program, four awards under the Local Government Partnership Program, and two awards under the County Transportation Commission Partnership Program. These contracts are executed.

On March 2, 2018, the SCAQMD Governing Board approved one award under the Major Event Center Transportation Program, two awards under the Natural Gas Infrastructure Program, and one award under the Local Government Partnership Program. These contracts are executed.

On April 6, 2018, the SCAQMD Governing Board approved one award under the Natural Gas Infrastructure Program and eight awards under the Local Government Partnership Program. These contracts are executed.

On May 4, 2018, the SCAQMD Governing Board approved twenty-seven awards under the Local Government Partnership Program and one award under the County Transportation Commission Partnership Program. These contracts are executed.

On June 1, 2018, the SCAQMD Governing Board approved six awards under the Local Government Partnership Program, one award under the Natural Gas Infrastructure Program, and one award under the County Transportation Commission Partnership Program. These contracts are with the prospective contractor for signature or executed.

On July 6, 2018, the SCAQMD Governing Board approved nine awards under the Local Government Partnership Program. These contracts are with the prospective contractor for signature or executed.

On September 7, 2018, the SCAQMD Governing Board approved nineteen awards under the Local Government Partnership Program, three awards under the County Transportation Commission Partnership Program, one award under the Major Event Center Transportation Program, and twenty awards under the Natural Gas Infrastructure Program. These contracts are under development, with the prospective contractor for signature, with the SCAQMD Board Chair for signature, or executed.

On October 5, 2018, the SCAQMD Governing Board approved forty-eight awards under the Local Government Partnership Program and one award under the Hydrogen Infrastructure Program. These contracts are under development, with the prospective contractor for signature, with the SCAQMD Board Chair for signature, or executed.

On November 2, 2018, the SCAQMD Governing Board approved two awards under the Local Government Partnership Program. These contracts are executed.

**2018-21 Work Program**

On April 5, 2019, the SCAQMD Governing Board approved an award under the Major Event Center Transportation Program. This contract is undergoing internal review.

**Work Program Status**

Contract Status Reports for work program years with open and/or pending contracts are attached.

***FY 2007-08 Work Program Contracts***

No contracts from this work program year are open; and one is in “Open/Complete” status. 3 contracts closed during this period: City of Santa Monica, Contract #ML08028 – Purchase 24 Heavy-Duty CNG Vehicles; United Parcel Service, Contract #MS08007 – Purchase 10 Natural Gas Vehicles; and United Parcel Service, Contract #MS08013 – Purchase 12 Natural Gas Yard Tractors.

***FY 2007-08 Invoices Paid***

No invoices were paid during this period.

***FY 2010-11 Work Program Contracts***

2 contracts from this work program year are open; and 20 are in “Open/Complete” status. 4 contracts closed during this period: City of Whittier, Contract #ML11021 – Purchase 7 Heavy-Duty CNG Vehicles; City of Ontario, Contract #ML11044 – Expand Existing CNG Station; EDCO Disposal Corp., Contract #MS11011 – Install New CNG Station in Signal Hill; EDCO Disposal Corp., Contract #MS11012 – Install New CNG Station in Buena Park.

***FY 2010-11 Invoices Paid***

No invoices were paid during this period.

***FY 2011-12 Work Program Contracts***

8 contracts from this work program year are open, and 23 are in “Open/Complete” status. One contract closed during this period: SuperShuttle International, Inc., Contract #MS12086 – Purchase 23 Medium-Heavy-Duty Vehicles.

***FY 2011-12 Invoices Paid***

No invoices were paid during this period.

***FYs 2012-14 Work Program Contracts***

22 contracts from this work program year are open, and 28 are in “Open/Complete” status. One replacement contract is pending execution.

***FYs 2012-14 Invoices Paid***

No invoices were paid during this period.

***FYs 2014-16 Work Program Contracts***

54 contracts from this work program year are open, and 25 are in “Open/Complete” status. One contracts passed into “Open/Complete” status during this period: City of Ontario, Contract #ML16056 – Expansion of Existing CNG Station. Two replacement contracts are pending execution.

***FYs 2014-16 Invoices Paid***

3 invoices totaling \$1,059,458.75 were paid during this period.

***FYs 2016-18 Work Program Contracts***

122 contracts from this work program year are open, and 3 are in “Open/Complete” status.

4 invoices totaling \$284,590.01 were paid during this period.

***Administrative Scope Changes***

6 administrative scope changes were initiated during the period of May 30 to July 24, 2019:

- City of Yucaipa, Contract #ML16054 (Implement “Complete Streets” Project) – Three-month term extension
- City of Ontario, Contract #ML16056 (Expand CNG Station) – Reduce value from \$150,000 to \$105,565
- City of Lawndale, Contract #MS16106 (Expand CNG Station) – Terminate contract by request
- City of Arcadia, Contract #ML18032 (Purchase One Heavy-Duty Zero Emission Vehicle and One Heavy-Duty Near-Zero Emission Vehicle) – Remove zero emission vehicle and reduce value from \$74,650 to \$24,650
- City of Redlands, Contract #ML18039 (Purchase One Heavy-Duty Zero Emission Vehicle and Install EV Charging Station) – Six-month term extension
- City of Hidden Hills, Contract #ML18019 (Purchase Two Light-Duty Zero Emission Vehicles and Install EV Charging Stations) – Remove off-road vehicle and substitute an additional on-road vehicle and one-year term extension

***Attachments***

- FY 2007-08 through FYs 2016-18 (except FY 2009-10) Contract Status Reports





## AB2766 Discretionary Fund Program Invoices

May 30 to July 24, 2019

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2014-2016 Work Program</i>							
7/10/2019	7/25/2019	7/30/2019	7/30/2019	ML16009	City of Fountain Valley	1-Final	\$46,100.00
7/9/2019	7/25/2019	7/30/2019	7/30/2019	MS16030	Better World Group Advisors	2039	\$8,358.75
6/18/2019	6/20/2019	6/20/2019	6/21/2019	MS16112	Orange County Transportation Authority	FA140494	\$1,005,000.00
<b>Total: \$1,059,458.75</b>							
<i>2016-2018 Work Program</i>							
7/24/2019	7/25/2019	7/30/2019	7/30/2019	MS18002	Southern California Association of Governments	MS18002-03F	\$174,344.11
7/10/2019	7/25/2019	7/30/2019	7/30/2019	MS18003	Geographics	21569/2162	\$746.00
7/3/2019	7/25/2019	7/30/2019	7/30/2019	ML18138	City of La Canada Flintridge	1	\$9,499.90
6/7/2019	6/20/2019	6/20/2019	6/21/2019	ML18079	City of Pasadena	1	\$100,000.00

**Total: \$284,590.01**

**Total This Period: \$1,344,048.76**



## FYs 2006-07 Through 2016-18 AB2766 Contract Status Report

8/8/2019

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2006-2007 Contracts</b>									
<b>Declined/Cancelled Contracts</b>									
ML07031	City of Santa Monica				\$180,000.00	\$0.00	Upgrade N.G. Station to Add Hythane	\$180,000.00	No
ML07032	City of Huntington Beach Public Wor				\$25,000.00	\$0.00	One H.D. CNG Vehicle	\$25,000.00	No
ML07035	City of Los Angeles, General Service				\$350,000.00	\$0.00	New CNG Refueling Station/Southeast Yard	\$350,000.00	No
ML07038	City of Palos Verdes Estates				\$25,000.00	\$0.00	One H.D. LPG Vehicle	\$25,000.00	No
MS07010	Palos Verdes Peninsula Transit Auth				\$80,000.00	\$0.00	Repower 4 Transit Buses	\$80,000.00	No
MS07014	Clean Energy Fuels Corp.				\$350,000.00	\$0.00	New L/CNG Station - SERRF	\$350,000.00	No
MS07015	Baldwin Park Unified School District				\$57,500.00	\$0.00	New CNG Station	\$57,500.00	No
MS07016	County of Riverside Fleet Services D				\$36,359.00	\$0.00	New CNG Station - Rubidoux	\$36,359.00	No
MS07017	County of Riverside Fleet Services D				\$33,829.00	\$0.00	New CNG Station - Indio	\$33,829.00	No
MS07018	City of Cathedral City				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07021	City of Riverside				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07050	Southern California Disposal Co.				\$320,000.00	\$0.00	Ten Nat. Gas Refuse Trucks	\$320,000.00	No
MS07062	Caltrans Division of Equipment				\$1,081,818.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$1,081,818.00	No
MS07065	ECCO Equipment Corp.				\$174,525.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$174,525.00	No
MS07067	Recycled Materials Company of Calif				\$99,900.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$99,900.00	No
MS07069	City of Burbank	5/9/2008	3/8/2010	9/8/2011	\$8,895.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$8,895.00	No
MS07074	Albert W. Davies, Inc.	1/25/2008	11/24/2009		\$39,200.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$39,200.00	No
MS07081	Clean Diesel Technologies, Inc.				\$240,347.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$240,347.00	No
MS07082	DCL International, Inc.				\$153,010.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$153,010.00	No
MS07083	Dinex Exhausts, Inc.				\$52,381.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$52,381.00	No
MS07084	Donaldson Company, Inc.				\$42,416.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$42,416.00	No
MS07085	Engine Control Systems Limited				\$155,746.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$155,746.00	No
MS07086	Huss, LLC				\$84,871.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$84,871.00	No
MS07087	Mann+Hummel GmbH				\$189,361.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$189,361.00	No
MS07088	Nett Technologies, Inc.				\$118,760.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$118,760.00	No
MS07089	Rypos, Inc.				\$68,055.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$68,055.00	No
MS07090	Sud-Chemie				\$27,345.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$27,345.00	No
<b>Total: 27</b>									
<b>Closed Contracts</b>									
ML07023	City of Riverside	6/20/2008	10/19/2014	7/19/2016	\$462,500.00	\$461,476.42	CNG Station Expansion/Purch. 14 H.D. Vehi	\$1,023.58	Yes
ML07024	City of Garden Grove	3/7/2008	9/6/2014	7/6/2016	\$75,000.00	\$75,000.00	Three H.D. CNG Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML07025	City of San Bernardino	8/12/2008	7/11/2010		\$350,000.00	\$350,000.00	Maintenance Facility Modifications	\$0.00	Yes
ML07026	City of South Pasadena	6/13/2008	6/12/2014		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
ML07027	Los Angeles World Airports	6/3/2008	7/2/2014		\$25,000.00	\$25,000.00	One H.D. LNG Vehicle	\$0.00	Yes
ML07028	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Hollywood Yard	\$0.00	Yes
ML07029	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Venice Yard	\$0.00	Yes
ML07030	County of San Bernardino Public Wo	7/11/2008	9/10/2015		\$200,000.00	\$200,000.00	8 Natural Gas H.D. Vehicles	\$0.00	Yes
ML07033	City of La Habra	5/21/2008	6/20/2014	11/30/2013	\$25,000.00	\$25,000.00	One H.D. Nat Gas Vehicle	\$0.00	Yes
ML07034	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Van Nuys Yard	\$0.00	Yes
ML07036	City of Alhambra	1/23/2009	2/22/2015		\$50,000.00	\$50,000.00	2 H.D. CNG Vehicles	\$0.00	Yes
ML07037	City of Los Angeles, General Service	10/8/2008	10/7/2015		\$255,222.00	\$255,222.00	Upgrade LNG/LCNG Station/East Valley Yar	\$0.00	Yes
ML07039	City of Baldwin Park	6/6/2008	6/5/2014	8/5/2015	\$50,000.00	\$50,000.00	Two N.G. H.D. Vehicles	\$0.00	Yes
ML07040	City of Moreno Valley	6/3/2008	9/2/2014		\$25,000.00	\$25,000.00	One Heavy-Duty CNG Vehicle	\$0.00	Yes
ML07041	City of La Quinta	6/6/2008	6/5/2014		\$25,000.00	\$25,000.00	One CNG Street Sweeper	\$0.00	Yes
ML07042	City of La Quinta	8/15/2008	9/14/2010		\$100,000.00	\$100,000.00	Street Sweeping Operations	\$0.00	Yes
ML07043	City of Redondo Beach	9/28/2008	7/27/2014	10/27/2016	\$125,000.00	\$125,000.00	Five H.D. CNG Transit Vehicles	\$0.00	Yes
ML07044	City of Santa Monica	9/8/2008	3/7/2015	3/7/2017	\$600,000.00	\$600,000.00	24 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML07046	City of Culver City Transportation De	5/2/2008	5/1/2014		\$25,000.00	\$25,000.00	One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML07047	City of Cathedral City	6/16/2008	9/15/2014	3/15/2015	\$225,000.00	\$225,000.00	Two H.D. Nat. Gas Vehicles/New CNG Fueli	\$0.00	Yes
ML07048	City of Cathedral City	9/19/2008	10/18/2010		\$100,000.00	\$84,972.45	Street Sweeping Operations	\$15,027.55	Yes
MS07001	A-Z Bus Sales, Inc.	12/28/2006	12/31/2007	2/29/2008	\$1,920,000.00	\$1,380,000.00	CNG School Bus Buydown	\$540,000.00	Yes
MS07002	BusWest	1/19/2007	12/31/2007	3/31/2008	\$840,000.00	\$840,000.00	CNG School Bus Buydown	\$0.00	Yes
MS07003	Westport Fuel Systems, Inc.	11/2/2007	12/31/2011	6/30/2013	\$1,500,000.00	\$1,499,990.00	Advanced Nat. Gas Engine Incentive Progra	\$10.00	Yes
MS07005	S-W Compressors	3/17/2008	3/16/2010		\$60,000.00	\$7,500.00	Mountain CNG School Bus Demo Program-	\$52,500.00	Yes
MS07006	Coachella Valley Association of Gov	2/28/2008	10/27/2008		\$400,000.00	\$400,000.00	Coachella Valley PM10 Reduction Street Sw	\$0.00	Yes
MS07007	Los Angeles World Airports	5/2/2008	11/1/2014		\$420,000.00	\$420,000.00	Purchase CNG 21 Transit Buses	\$0.00	Yes
MS07008	City of Los Angeles, Department of T	9/18/2009	5/17/2020	9/17/2017	\$1,900,000.00	\$1,900,000.00	Purchase 95 Transit Buses	\$0.00	Yes
MS07009	Orange County Transportation Autho	5/14/2008	4/13/2016		\$800,000.00	\$800,000.00	Purchase 40 Transit Buses	\$0.00	Yes
MS07011	L A Service Authority for Freeway E	3/12/2010	5/31/2011	9/30/2011	\$700,000.00	\$700,000.00	"511" Commuter Services Campaign	\$0.00	Yes
MS07012	City of Los Angeles, General Service	6/13/2008	6/12/2009	6/12/2010	\$50,000.00	\$50,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS07013	Rainbow Disposal Company, Inc.	1/25/2008	3/24/2014	9/24/2014	\$350,000.00	\$350,000.00	New High-Volume CNG Station	\$0.00	Yes
MS07019	City of Cathedral City	1/9/2009	6/8/2010		\$32,500.00	\$32,500.00	Maintenance Facility Modifications	\$0.00	Yes
MS07020	Avery Petroleum	5/20/2009	7/19/2015		\$250,000.00	\$250,000.00	New CNG Station	\$0.00	Yes
MS07049	Palm Springs Disposal Services	10/23/2008	11/22/2014	9/22/2016	\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07051	City of San Bernardino	8/12/2008	12/11/2014		\$480,000.00	\$480,000.00	15 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07052	City of Redlands	7/30/2008	11/29/2014		\$160,000.00	\$160,000.00	Five Nat. Gas Refuse Trucks	\$0.00	Yes
MS07053	City of Claremont	7/31/2008	12/30/2014		\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07054	Republic Services, Inc.	3/7/2008	9/6/2014	9/6/2016	\$1,280,000.00	\$1,280,000.00	40 Nat. Gas Refuse Trucks	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS07055	City of Culver City Transportation De	7/8/2008	9/7/2014		\$192,000.00	\$192,000.00	Six Nat. Gas Refuse Trucks	\$0.00	Yes
MS07056	City of Whittier	9/5/2008	3/4/2015		\$32,000.00	\$32,000.00	One Nat. Gas Refuse Trucks	\$0.00	Yes
MS07057	CR&R, Inc.	7/31/2008	8/30/2014	6/30/2015	\$896,000.00	\$896,000.00	28 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07058	Better World Group Advisors	11/17/2007	11/16/2009	11/16/2011	\$247,690.00	\$201,946.21	MSRC Programmatic Outreach Services	\$45,743.79	Yes
MS07059	County Sanitation Districts of L.A. Co	9/5/2008	9/4/2010	7/14/2012	\$231,500.00	\$231,500.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07060	Community Recycling & Resource R	3/7/2008	1/6/2010	7/6/2011	\$177,460.00	\$98,471.00	Off-Road Diesel Equipment Retrofit Program	\$78,989.00	Yes
MS07061	City of Los Angeles, Department of	10/31/2008	8/30/2010	2/28/2013	\$40,626.00	\$40,626.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07063	Shimmick Construction Company, In	4/26/2008	2/25/2010	8/25/2011	\$80,800.00	\$11,956.37	Off-Road Diesel Equipment Retrofit Program	\$68,843.63	Yes
MS07064	Altfillisch Contractors, Inc.	9/19/2008	7/18/2010	1/18/2011	\$160,000.00	\$155,667.14	Off-Road Diesel Equipment Retrofit Program	\$4,332.86	Yes
MS07068	Sukut Equipment Inc.	1/23/2009	11/22/2010	5/22/2012	\$26,900.00	\$26,900.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07070	Griffith Company	4/30/2008	2/28/2010	8/28/2012	\$168,434.00	\$125,504.00	Off-Road Diesel Equipment Retrofit Program	\$42,930.00	Yes
MS07071	Tiger 4 Equipment Leasing	9/19/2008	7/18/2010	1/18/2013	\$210,937.00	\$108,808.97	Off-Road Diesel Equipment Retrofit Program	\$102,128.03	Yes
MS07072	City of Culver City Transportation De	4/4/2008	2/3/2010	8/3/2011	\$72,865.00	\$72,865.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07075	Dan Copp Crushing	9/17/2008	7/16/2010	1/16/2012	\$73,600.00	\$40,200.00	Off-Road Diesel Equipment Retrofit Program	\$33,400.00	Yes
MS07076	Reed Thomas Company, Inc.	8/15/2008	6/14/2010	3/14/2012	\$339,073.00	\$100,540.00	Off-Road Diesel Equipment Retrofit Program	\$238,533.00	Yes
MS07077	USA Waste of California, Inc.	5/1/2009	12/31/2014		\$160,000.00	\$160,000.00	Five Nat. Gas Refuse Trucks (Santa Ana)	\$0.00	Yes
MS07078	USA Waste of California, Inc.	5/1/2009	12/31/2014	12/31/2015	\$256,000.00	\$256,000.00	Eight Nat. Gas Refuse Trucks (Dewey's)	\$0.00	Yes
MS07079	Riverside County Transportation Co	1/30/2009	7/29/2013	12/31/2011	\$20,000.00	\$15,165.45	BikeMetro Website Migration	\$4,834.55	Yes
MS07080	City of Los Angeles Bureau of Sanita	10/31/2008	8/30/2010	8/28/2016	\$63,192.00	\$62,692.00	Off-Road Diesel Equipment Retrofit Program	\$500.00	No
MS07091	BusWest	10/16/2009	3/15/2010		\$33,660.00	\$33,660.00	Provide Lease for 2 CNG School Buses	\$0.00	Yes
MS07092	Riverside County Transportation Co	9/1/2010	10/31/2011		\$350,000.00	\$350,000.00	"511" Commuter Services Campaign	\$0.00	Yes

**Total: 60**

#### Closed/Incomplete Contracts

ML07045	City of Inglewood	2/6/2009	4/5/2015		\$75,000.00	\$25,000.00	3 H.D. Nat. Gas Vehicles	\$50,000.00	No
MS07004	BusWest	7/2/2007	7/1/2009		\$90,928.00	\$68,196.00	Provide Lease for 2 CNG School Buses	\$22,732.00	No
MS07066	Skanska USA Civil West California D	6/28/2008	4/27/2010	10/27/2010	\$111,700.00	\$36,128.19	Off-Road Diesel Equipment Retrofit Program	\$75,571.81	No
MS07073	PEED Equipment Co.	10/31/2008	8/30/2010		\$11,600.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$11,600.00	No

**Total: 4**

#### Open/Complete Contracts

MS07022	CSULA Hydrogen Station and Resea	10/30/2009	12/29/2015	10/29/2019	\$250,000.00	\$250,000.00	New Hydrogen Fueling Station	\$0.00	Yes
---------	----------------------------------	------------	------------	------------	--------------	--------------	------------------------------	--------	-----

**Total: 1**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
--------	------------	------------	----------------------	---------------------	-------------------	----------	---------------------	------------------	----------------------

## ***FY 2007-2008 Contracts***

### ***Declined/Cancelled Contracts***

ML08032	City of Irvine	5/1/2009	8/31/2010		\$9,000.00	\$0.00	36 Vehicles (Diagnostic)	\$9,000.00	No
ML08041	City of Los Angeles, Dept of Transpo	8/6/2010	7/5/2011	12/5/2011	\$8,800.00	\$0.00	73 Vehicles (Diagnostic)	\$8,800.00	No
ML08049	City of Cerritos	3/20/2009	1/19/2015	2/19/2017	\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08051	City of Colton				\$75,000.00	\$0.00	3 CNG Heavy-Duty Vehicles	\$75,000.00	No
ML08080	City of Irvine	5/1/2009	5/31/2015		\$50,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$50,000.00	No
MS08002	Orange County Transportation Autho				\$1,500,000.00	\$0.00	Big Rig Freeway Service Patrol	\$1,500,000.00	No
MS08008	Diversified Truck Rental & Leasing				\$300,000.00	\$0.00	10 H.D. Nat. Gas Vehicles	\$300,000.00	No
MS08010	Orange County Transportation Autho				\$10,000.00	\$0.00	20 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08011	Green Fleet Systems, LLC				\$10,000.00	\$0.00	30 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08052	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014	11/23/2015	\$100,000.00	\$0.00	New CNG Station - Fontana	\$100,000.00	No
MS08054	Clean Energy Fuels Corp.				\$400,000.00	\$0.00	New LNG Station - Fontana	\$400,000.00	No
MS08055	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$0.00	New LNG Station - Long Beach-Pier S	\$400,000.00	No
MS08059	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - San Bernardino	\$100,000.00	No
MS08060	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - Azusa	\$100,000.00	No
MS08062	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$0.00	New CNG Station - Rialto	\$400,000.00	No
MS08074	Fontana Unified School District	11/14/2008	12/13/2014		\$200,000.00	\$0.00	Expansion of Existing CNG station	\$200,000.00	No
MS08077	Hythane Company, LLC				\$144,000.00	\$0.00	Upgrade Station to Hythane	\$144,000.00	No

**Total: 17**

### ***Closed Contracts***

ML08023	City of Villa Park	11/7/2008	10/6/2012		\$6,500.00	\$5,102.50	Upgrade of Existing Refueling Facility	\$1,397.50	Yes
ML08024	City of Anaheim	7/9/2010	7/8/2017	1/8/2018	\$425,000.00	\$425,000.00	9 LPG Buses and 8 CNG Buses	\$0.00	Yes
ML08026	Los Angeles County Department of P	7/20/2009	7/19/2016		\$250,000.00	\$250,000.00	10 LPG Heavy-Duty Vehicles	\$0.00	Yes
ML08027	Los Angeles County Department of P	7/20/2009	1/19/2011	1/19/2012	\$6,901.00	\$5,124.00	34 Vehicles (Diagnostic)	\$1,777.00	Yes
ML08028	City of Santa Monica	9/11/2009	9/10/2016	5/10/2019	\$600,000.00	\$200,000.00	24 CNG Heavy-Duty Vehicles	\$400,000.00	Yes
ML08029	City of Gardena	3/19/2009	1/18/2015		\$25,000.00	\$25,000.00	1 Propane Heavy-Duty Vehicle	\$0.00	Yes
ML08030	City of Azusa	5/14/2010	3/13/2016		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	No
ML08031	City of Claremont	3/27/2009	3/26/2013	3/26/2015	\$97,500.00	\$97,500.00	Upgrade of Existing CNG Station, Purchase	\$0.00	Yes
ML08033	County of San Bernardino Public Wo	4/3/2009	2/2/2010		\$14,875.00	\$14,875.00	70 Vehicles (Diagnostic)	\$0.00	Yes
ML08034	County of San Bernardino Public Wo	3/27/2009	7/26/2015		\$150,000.00	\$150,000.00	8 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08035	City of La Verne	3/6/2009	11/5/2009		\$11,925.00	\$11,925.00	53 Vehicles (Diagnostic)	\$0.00	Yes
ML08036	City of South Pasadena	5/12/2009	7/11/2013		\$169,421.00	\$169,421.00	New CNG Station	\$0.00	Yes
ML08037	City of Glendale	5/20/2009	5/19/2015		\$325,000.00	\$325,000.00	13 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08038	Los Angeles Department of Water an	7/16/2010	7/15/2017		\$1,050,000.00	\$1,050,000.00	42 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08039	City of Rancho Palos Verdes	6/5/2009	8/4/2015		\$50,000.00	\$50,000.00	2 LPG Transit Buses	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML08040	City of Riverside	9/11/2009	9/10/2016	3/10/2019	\$455,500.00	\$455,500.00	16 CNG Vehicles, Expand CNG Station & M	\$0.00	Yes
ML08042	City of Ontario, Housing & Municipal	5/1/2009	1/31/2016		\$175,000.00	\$175,000.00	7 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08044	City of Chino	3/19/2009	3/18/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08045	City of Santa Clarita	2/20/2009	6/19/2010		\$3,213.00	\$3,150.00	14 Vehicles (Diagnostic)	\$63.00	Yes
ML08046	City of Paramount	2/20/2009	2/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08047	City of Culver City Transportation De	5/12/2009	8/11/2015		\$150,000.00	\$150,000.00	6 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08048	City of Santa Clarita	2/20/2009	6/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08050	City of Laguna Beach Public Works	8/12/2009	4/11/2016	10/11/2016	\$75,000.00	\$75,000.00	3 LPG Trolleys	\$0.00	Yes
MS08001	Los Angeles County MTA	12/10/2010	6/9/2014		\$1,500,000.00	\$1,499,999.66	Big Rig Freeway Service Patrol	\$0.34	Yes
MS08003	A-Z Bus Sales, Inc.	5/2/2008	12/31/2008	2/28/2009	\$1,480,000.00	\$1,400,000.00	Alternative Fuel School Bus Incentive Progra	\$80,000.00	Yes
MS08004	BusWest	5/2/2008	12/31/2008		\$1,440,000.00	\$1,440,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS08005	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Azusa	\$0.00	Yes
MS08006	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Saugus	\$0.00	Yes
MS08007	United Parcel Service West Region	12/10/2008	10/9/2014	4/9/2019	\$300,000.00	\$270,000.00	10 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08009	Los Angeles World Airports	12/24/2008	12/23/2014		\$870,000.00	\$870,000.00	29 H.D. Nat. Gas Vehicles	\$0.00	Yes
MS08012	California Cartage Company, LLC	12/21/2009	10/20/2015	4/20/2016	\$480,000.00	\$480,000.00	12 H.D. Nat. Gas Yard Tractors	\$0.00	Yes
MS08013	United Parcel Service West Region	12/10/2008	10/9/2014	3/9/2019	\$480,000.00	\$432,000.00	12 H.D. Nat. Gas Yard Tractors	\$48,000.00	No
MS08014	City of San Bernardino	12/5/2008	6/4/2015		\$390,000.00	\$360,000.00	13 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08015	Yosemite Waters	5/12/2009	5/11/2015		\$180,000.00	\$117,813.60	11 H.D. Propane Vehicles	\$62,186.40	Yes
MS08016	TransVironmental Solutions, Inc.	1/23/2009	12/31/2010	9/30/2011	\$227,198.00	\$80,351.34	Rideshare 2 School Program	\$146,846.66	Yes
MS08017	Omnitrans	12/13/2008	12/12/2015	12/12/2016	\$900,000.00	\$900,000.00	30 CNG Buses	\$0.00	Yes
MS08018	Los Angeles County Department of P	8/7/2009	10/6/2016	4/6/2018	\$60,000.00	\$60,000.00	2 CNG Vehicles	\$0.00	Yes
MS08019	Enterprise Rent-A-Car Company of L	2/12/2010	7/11/2016		\$300,000.00	\$300,000.00	10 CNG Vehicles	\$0.00	Yes
MS08020	Ware Disposal Company, Inc.	11/25/2008	2/24/2016		\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08021	CalMet Services, Inc.	1/9/2009	1/8/2016	7/8/2016	\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08022	SunLine Transit Agency	12/18/2008	3/17/2015		\$311,625.00	\$311,625.00	15 CNG Buses	\$0.00	Yes
MS08053	City of Los Angeles, Bureau of Sanit	2/18/2009	12/17/2015		\$400,000.00	\$400,000.00	New LNG/CNG Station	\$0.00	Yes
MS08056	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New LNG Station - POLB-Anah. & I	\$0.00	Yes
MS08057	Orange County Transportation Autho	5/14/2009	7/13/2015		\$400,000.00	\$400,000.00	New CNG Station - Garden Grove	\$0.00	Yes
MS08058	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$400,000.00	New CNG Station - Ontario Airport	\$0.00	Yes
MS08061	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$400,000.00	New CNG Station - L.A.-La Cienega	\$0.00	Yes
MS08063	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$400,000.00	New CNG Station - Moreno Valley	\$0.00	Yes
MS08064	Hemet Unified School District	1/9/2009	3/8/2015		\$75,000.00	\$75,000.00	Expansion of Existing Infrastructure	\$0.00	Yes
MS08065	Pupil Transportation Cooperative	11/20/2008	7/19/2014		\$10,500.00	\$10,500.00	Existing CNG Station Modifications	\$0.00	Yes
MS08066	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Palm Spring Airport	\$0.00	Yes
MS08067	Trillium CNG	3/19/2009	6/18/2015	6/18/2016	\$311,600.00	\$254,330.00	New CNG Station	\$57,270.00	Yes
MS08069	Perris Union High School District	6/5/2009	8/4/2015	8/4/2016	\$225,000.00	\$225,000.00	New CNG Station	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS08070	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Paramount	\$0.00	Yes
MS08071	ABC Unified School District	1/16/2009	1/15/2015		\$63,000.00	\$63,000.00	New CNG Station	\$0.00	Yes
MS08072	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$354,243.38	New CNG Station - Burbank	\$45,756.62	Yes
MS08073	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Norwalk	\$0.00	Yes
MS08075	Disneyland Resort	12/10/2008	2/1/2015		\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS08076	Azusa Unified School District	10/17/2008	11/16/2014	1/31/2017	\$172,500.00	\$172,500.00	New CNG station and maint. Fac. Modificati	\$0.00	Yes
MS08078	SunLine Transit Agency	12/10/2008	6/9/2015	2/9/2016	\$189,000.00	\$189,000.00	CNG Station Upgrade	\$0.00	Yes
MS09002	A-Z Bus Sales, Inc.	11/7/2008	12/31/2009	12/31/2010	\$2,520,000.00	\$2,460,000.00	Alternative Fuel School Bus Incentive Progra	\$60,000.00	Yes
MS09004	A-Z Bus Sales, Inc.	1/30/2009	3/31/2009		\$156,000.00	\$156,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS09047	BusWest	7/9/2010	12/31/2010	4/30/2011	\$480,000.00	\$480,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes

**Total: 62**

#### **Closed/Incomplete Contracts**

ML08025	Los Angeles County Department of P	10/30/2009	3/29/2011		\$75,000.00	\$0.00	150 Vehicles (Diagnostic)	\$75,000.00	No
MS08068	Regents of the University of Californi	11/5/2010	11/4/2017	11/4/2019	\$400,000.00	\$0.00	Hydrogen Station	\$400,000.00	No
MS08079	ABC Unified School District	1/16/2009	12/15/2009	12/15/2010	\$50,000.00	\$0.00	Maintenance Facility Modifications	\$50,000.00	No

**Total: 3**

#### **Open/Complete Contracts**

ML08043	City of Desert Hot Springs	9/25/2009	3/24/2016	3/24/2021	\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
---------	----------------------------	-----------	-----------	-----------	-------------	-------------	--------------------------	--------	-----

**Total: 1**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
--------	------------	------------	-------------------	------------------	----------------	----------	---------------------	---------------	-------------------

## FY 2008-2009 Contracts

### Declined/Cancelled Contracts

ML09017	County of San Bernardino Public Wo	1/28/2010	7/27/2016		\$200,000.00	\$0.00	8 Nat. Gas Heavy-Duty Vehicles	\$200,000.00	No
ML09018	Los Angeles Department of Water an	7/16/2010	9/15/2012		\$850,000.00	\$0.00	Retrofit 85 Off-Road Vehicles w/DECS	\$850,000.00	No
ML09019	City of San Juan Capistrano Public	12/4/2009	11/3/2010		\$10,125.00	\$0.00	Remote Vehicle Diagnostics/45 Vehicles	\$10,125.00	No
ML09022	Los Angeles County Department of P				\$8,250.00	\$0.00	Remote Vehicle Diagnostics/15 Vehicles	\$8,250.00	No
ML09025	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$50,000.00	\$0.00	Remote Vehicle Diagnostics/85 Vehicles	\$50,000.00	No
ML09028	Riverside County Waste Manageme				\$140,000.00	\$0.00	Retrofit 7 Off-Road Vehicles w/DECS	\$140,000.00	No
ML09039	City of Inglewood				\$310,000.00	\$0.00	Purchase 12 H.D. CNG Vehicles and Remot	\$310,000.00	No
ML09040	City of Cathedral City				\$83,125.00	\$0.00	Purchase 3 H.D. CNG Vehicles and Remote	\$83,125.00	No
ML09044	City of San Dimas				\$425,000.00	\$0.00	Install CNG Station and Purchase 1 CNG S	\$425,000.00	No
ML09045	City of Orange				\$125,000.00	\$0.00	Purchase 5 CNG Sweepers	\$125,000.00	No
MS09003	FuelMaker Corporation				\$296,000.00	\$0.00	Home Refueling Apparatus Incentives	\$296,000.00	No

**Total: 11**

### Closed Contracts

ML09007	City of Rancho Cucamonga	2/26/2010	4/25/2012		\$117,500.00	\$62,452.57	Maintenance Facility Modification	\$55,047.43	Yes
ML09008	City of Culver City Transportation De	1/19/2010	7/18/2016	7/18/2017	\$175,000.00	\$175,000.00	8 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09009	City of South Pasadena	11/5/2010	12/4/2016	3/4/2019	\$125,930.00	\$125,930.00	CNG Station Expansion	\$0.00	Yes
ML09010	City of Palm Springs	1/8/2010	2/7/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09011	City of San Bernardino	2/19/2010	5/18/2016		\$250,000.00	\$250,000.00	10 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09012	City of Gardena	3/12/2010	11/11/2015		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09013	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$144,470.00	\$128,116.75	Traffic Signal Synchr./Moreno Valley	\$16,353.25	Yes
ML09014	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$113,030.00	\$108,495.94	Traffic Signal Synchr./Corona	\$4,534.06	Yes
ML09015	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$80,060.00	\$79,778.52	Traffic Signal Synchr./Co. of Riverside	\$281.48	Yes
ML09016	County of San Bernardino Public Wo	1/28/2010	3/27/2014		\$50,000.00	\$50,000.00	Install New CNG Station	\$0.00	Yes
ML09020	County of San Bernardino	8/16/2010	2/15/2012		\$49,770.00	\$49,770.00	Remote Vehicle Diagnostics/252 Vehicles	\$0.00	Yes
ML09021	City of Palm Desert	7/9/2010	3/8/2012		\$39,450.00	\$38,248.87	Traffic Signal Synchr./Rancho Mirage	\$1,201.13	Yes
ML09023	Los Angeles County Department of P	12/10/2010	12/9/2017		\$50,000.00	\$50,000.00	2 Heavy-Duty Alternative Fuel Transit Vehicl	\$0.00	Yes
ML09024	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
ML09026	Los Angeles County Department of P	10/15/2010	10/14/2017	4/14/2019	\$150,000.00	\$80,411.18	3 Off-Road Vehicles Repowers	\$69,588.82	Yes
ML09027	Los Angeles County Department of P	7/23/2010	3/22/2012	6/22/2012	\$150,000.00	\$150,000.00	Freeway Detector Map Interface	\$0.00	Yes
ML09029	City of Whittier	11/6/2009	4/5/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09030	City of Los Angeles GSD/Fleet Servi	6/18/2010	6/17/2011		\$22,310.00	\$22,310.00	Remote Vehicle Diagnostics/107 Vehicles	\$0.00	Yes
ML09031	City of Los Angeles, Department of	10/29/2010	10/28/2017		\$825,000.00	\$825,000.00	33 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09032	Los Angeles World Airports	4/8/2011	4/7/2018		\$175,000.00	\$175,000.00	7 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09033	City of Beverly Hills	3/4/2011	5/3/2017	1/3/2019	\$550,000.00	\$550,000.00	10 Nat. Gas Heavy-Duty Vehicles & CNG St	\$0.00	No



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML09034	City of La Palma	11/25/2009	6/24/2015		\$25,000.00	\$25,000.00	1 LPG Heavy-Duty Vehicle	\$0.00	Yes
ML09035	City of Fullerton	6/17/2010	6/16/2017	6/16/2018	\$450,000.00	\$450,000.00	2 Heavy-Duty CNG Vehicles & Install CNG	\$0.00	Yes
ML09037	City of Redondo Beach	6/18/2010	6/17/2016		\$50,000.00	\$50,000.00	Purchase Two CNG Sweepers	\$0.00	Yes
ML09038	City of Chino	9/27/2010	5/26/2017		\$250,000.00	\$250,000.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09041	City of Los Angeles, Bureau of Sanit	10/1/2010	9/30/2017		\$875,000.00	\$875,000.00	Purchase 35 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML09042	Los Angeles Department of Water an	12/10/2010	12/9/2017		\$1,400,000.00	\$1,400,000.00	Purchase 56 Dump Trucks	\$0.00	Yes
ML09043	City of Covina	10/8/2010	4/7/2017	10/7/2018	\$179,591.00	\$179,591.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09046	City of Newport Beach	5/20/2010	5/19/2016		\$162,500.00	\$162,500.00	Upgrade Existing CNG Station, Maintenance	\$0.00	Yes
ML09047	Los Angeles County Department of P	8/13/2014	8/12/2015	11/12/2015	\$400,000.00	\$272,924.53	Maintenance Facility Modifications	\$127,075.47	No
MS09001	Administrative Services Co-Op/Long	3/5/2009	6/30/2012	12/31/2013	\$225,000.00	\$150,000.00	15 CNG Taxicabs	\$75,000.00	Yes
MS09005	Gas Equipment Systems, Inc.	6/19/2009	10/18/2010		\$71,000.00	\$71,000.00	Provide Temp. Fueling for Mountain Area C	\$0.00	Yes

**Total: 32**

#### Open/Complete Contracts

ML09036	City of Long Beach Fleet Services B	5/7/2010	5/6/2017	11/6/2022	\$875,000.00	\$875,000.00	Purchase 35 Natural Gas Refuse Trucks	\$0.00	Yes
---------	-------------------------------------	----------	----------	-----------	--------------	--------------	---------------------------------------	--------	-----

**Total: 1**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
--------	------------	------------	----------------------	---------------------	-------------------	----------	---------------------	------------------	----------------------

## FY 2010-2011 Contracts

### Open Contracts

ML11029	City of Santa Ana	9/7/2012	3/6/2020	3/6/2023	\$262,500.00	\$75,000.00	Expansion of Existing CNG Station, Install N	\$187,500.00	No
ML11045	City of Newport Beach	2/3/2012	8/2/2018	3/2/2021	\$30,000.00	\$0.00	Purchase 1 Nat. Gas H.D. Vehicle	\$30,000.00	No

**Total: 2**

### Declined/Cancelled Contracts

ML11038	City of Santa Monica	5/18/2012	7/17/2018		\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
MS11013	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Huntington Beach	\$150,000.00	No
MS11014	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Santa Ana	\$150,000.00	No
MS11015	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Inglewood	\$150,000.00	No
MS11046	Luis Castro				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11047	Ivan Borjas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11048	Phase II Transportation				\$1,080,000.00	\$0.00	Repower 27 Heavy-Duty Vehicles	\$1,080,000.00	No
MS11049	Ruben Caceras				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11050	Carlos Arrue				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11051	Francisco Vargas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11053	Jose Ivan Soltero				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11054	Albino Meza				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11059	Go Natural Gas				\$150,000.00	\$0.00	New Public Access CNG Station - Paramou	\$150,000.00	No
MS11063	Standard Concrete Products				\$310,825.00	\$0.00	Retrofit Two Off-Road Vehicles under Showc	\$310,825.00	No
MS11070	American Honda Motor Company				\$100,000.00	\$0.00	Expansion of Existing CNG Station	\$100,000.00	No
MS11072	Trillium USA Company DBA Californi				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS11077	DCL America Inc.				\$263,107.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$263,107.00	No
MS11083	Cattrac Construction, Inc.				\$500,000.00	\$0.00	Install DECS on Eight Off-Road Vehicles	\$500,000.00	No
MS11084	Ivanhoe Energy Services and Develo				\$66,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$66,750.00	No
MS11088	Diesel Emission Technologies				\$32,750.00	\$0.00	Retrofit Three H.D. Off-Road Vehicles Under	\$32,750.00	No
MS11089	Diesel Emission Technologies				\$9,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$9,750.00	No
MS11090	Diesel Emission Technologies				\$14,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$14,750.00	No

**Total: 22**

### Closed Contracts

ML11007	Coachella Valley Association of Gov	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	Yes
ML11021	City of Whittier	1/27/2012	9/26/2018	6/26/2019	\$210,000.00	\$210,000.00	Purchase 7 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11022	City of Anaheim	3/16/2012	7/15/2018		\$150,000.00	\$150,000.00	Purchase of 5 H.D. Vehicles	\$0.00	Yes
ML11026	City of Redlands	3/2/2012	10/1/2018		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11027	City of Los Angeles, Dept. of Genera	5/4/2012	7/3/2015	1/3/2016	\$300,000.00	\$300,000.00	Maintenance Facility Modifications	\$0.00	Yes
ML11028	City of Glendale	1/13/2012	5/12/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. CNG Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML11030	City of Fullerton	2/3/2012	3/2/2018		\$109,200.00	\$109,200.00	Purchase 2 Nat. Gas H.D. Vehicles, Retrofit	\$0.00	Yes
ML11031	City of Culver City Transportation De	12/2/2011	12/1/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11033	City of Los Angeles, Bureau of Sanit	3/16/2012	1/15/2019		\$1,080,000.00	\$1,080,000.00	Purchase 36 LNG H.D. Vehicles	\$0.00	Yes
ML11034	City of Los Angeles, Department of	5/4/2012	1/3/2019		\$630,000.00	\$630,000.00	Purchase 21 H.D. CNG Vehicles	\$0.00	Yes
ML11035	City of La Quinta	11/18/2011	11/17/2012		\$25,368.00	\$25,368.00	Retrofit 3 On-Road Vehicles w/DECS	\$0.00	Yes
ML11039	City of Ontario, Housing & Municipal	1/27/2012	9/26/2018		\$180,000.00	\$180,000.00	Purchase 6 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11042	City of Chino	2/17/2012	4/16/2018		\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle, Repower	\$0.00	Yes
ML11043	City of Hemet Public Works	2/3/2012	2/2/2019		\$60,000.00	\$60,000.00	Purchase 2 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11044	City of Ontario, Housing & Municipal	1/27/2012	6/26/2019		\$400,000.00	\$400,000.00	Expand Existing CNG Station	\$0.00	Yes
MS11001	Mineral LLC	4/22/2011	4/30/2013	4/30/2015	\$111,827.00	\$103,136.83	Design, Develop, Host and Maintain MSRC	\$8,690.17	Yes
MS11002	A-Z Bus Sales, Inc.	7/15/2011	12/31/2011	6/30/2013	\$1,705,000.00	\$1,705,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11003	BusWest	7/26/2011	12/31/2011	12/31/2012	\$1,305,000.00	\$1,305,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11004	Los Angeles County MTA	9/9/2011	2/29/2012		\$450,000.00	\$299,743.34	Clean Fuel Transit Service to Dodger Stadiu	\$150,256.66	Yes
MS11006	Orange County Transportation Autho	10/7/2011	2/29/2012	8/31/2012	\$268,207.00	\$160,713.00	Metrolink Service to Angel Stadium	\$107,494.00	Yes
MS11011	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Signal Hill	\$0.00	Yes
MS11012	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Buena Park	\$0.00	Yes
MS11017	CR&R, Inc.	3/2/2012	2/1/2018		\$100,000.00	\$100,000.00	Expansion of existing station - Garden Grove	\$0.00	Yes
MS11018	Orange County Transportation Autho	10/14/2011	1/31/2012		\$211,360.00	\$211,360.00	Express Bus Service to Orange County Fair	\$0.00	Yes
MS11052	Krisda Inc	9/27/2012	6/26/2013		\$120,000.00	\$120,000.00	Repower Three Heavy-Duty Vehicles	\$0.00	Yes
MS11056	Better World Group Advisors	12/30/2011	12/29/2013	12/29/2015	\$206,836.00	\$186,953.46	Programmatic Outreach Services	\$19,882.54	Yes
MS11057	Riverside County Transportation Co	7/28/2012	3/27/2013		\$100,000.00	\$89,159.40	Develop and Implement 511 "Smart Phone"	\$10,840.60	Yes
MS11058	L A Service Authority for Freeway E	5/31/2013	4/30/2014		\$123,395.00	\$123,395.00	Implement 511 "Smart Phone" Application	\$0.00	Yes
MS11061	Eastern Municipal Water District	3/29/2012	5/28/2015		\$11,659.00	\$1,450.00	Retrofit One Off-Road Vehicle under Showc	\$10,209.00	Yes
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showc	\$5,501.00	Yes
MS11065	Temecula Valley Unified School Distr	8/11/2012	1/10/2019		\$50,000.00	\$48,539.62	Expansion of Existing CNG Station	\$1,460.38	No
MS11066	Torrance Unified School District	11/19/2012	9/18/2018		\$42,296.00	\$42,296.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11068	Ryder System Inc.	7/28/2012	10/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Fontana)	\$0.00	Yes
MS11069	Ryder System Inc.	7/28/2012	8/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Orange)	\$0.00	Yes
MS11074	SunLine Transit Agency	5/11/2012	7/31/2012		\$41,849.00	\$22,391.00	Transit Service for Coachella Valley Festival	\$19,458.00	Yes
MS11080	Southern California Regional Rail Au	4/6/2012	7/31/2012		\$26,000.00	\$26,000.00	Metrolink Service to Auto Club Speedway	\$0.00	Yes
MS11086	DCL America Inc.	6/7/2013	10/6/2016		\$500,000.00	\$359,076.96	Retrofit Eight H.D. Off-Road Vehicles Under	\$140,923.04	Yes
MS11087	Cemex Construction Material Pacific,	10/16/2012	2/15/2016		\$448,766.00	\$448,760.80	Retrofit 13 H.D. Off-Road Vehicles Under Sh	\$5.20	Yes
MS11091	California Cartage Company, LLC	4/5/2013	8/4/2016	2/4/2018	\$55,000.00	\$0.00	Retrofit Two H.D. Off-Road Vehicles Under	\$55,000.00	No
MS11092	Griffith Company	2/15/2013	6/14/2016	12/14/2017	\$390,521.00	\$78,750.00	Retrofit 17 H.D. Off-Road Vehicles Under Sh	\$311,771.00	No

**Total: 40**

#### Closed/Incomplete Contracts

MS11064	City of Hawthorne	7/28/2012	8/27/2018	8/27/2019	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
---------	-------------------	-----------	-----------	-----------	--------------	--------	--------------------------------	--------------	----

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11076	SA Recycling, LLC	5/24/2012	9/23/2015		\$424,801.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$424,801.00	No
MS11081	Metropolitan Stevedore Company	9/7/2012	1/6/2016		\$45,416.00	\$0.00	Install DECS on Two Off-Road Vehicles	\$45,416.00	No
MS11082	Baumot North America, LLC	8/2/2012	12/1/2015		\$65,958.00	\$4,350.00	Install DECS on Four Off-Road Vehicles	\$61,608.00	Yes
MS11085	City of Long Beach Fleet Services B	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Unde	\$159,012.00	No

**Total: 5**

**Open/Complete Contracts**

ML11020	City of Indio	2/1/2013	3/31/2019	9/30/2020	\$15,000.00	\$9,749.50	Retrofit one H.D. Vehicles w/DECS, repower	\$5,250.50	Yes
ML11023	City of Rancho Cucamonga	4/20/2012	12/19/2018	9/19/2020	\$260,000.00	\$260,000.00	Expand Existing CNG Station, 2 H.D. Vehicl	\$0.00	Yes
ML11024	County of Los Angeles, Dept of Publi	12/5/2014	6/4/2022		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11025	County of Los Angeles Department o	3/14/2014	9/13/2021		\$150,000.00	\$150,000.00	Purchase 5 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11032	City of Gardena	3/2/2012	9/1/2018	10/1/2020	\$102,500.00	\$102,500.00	Purchase Heavy-Duty CNG Vehicle, Install	\$0.00	Yes
ML11036	City of Riverside	1/27/2012	1/26/2019	3/26/2021	\$670,000.00	\$670,000.00	Install New CNG Station, Purchase 9 H.D. N	\$0.00	Yes
ML11037	City of Anaheim	12/22/2012	12/21/2019		\$300,000.00	\$300,000.00	Purchase 12 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11040	City of South Pasadena	5/4/2012	1/3/2019	1/3/2022	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
ML11041	City of Santa Ana	9/7/2012	11/6/2018	1/6/2021	\$265,000.00	\$244,651.86	Purchase 7 LPG H.D. Vehicles, Retrofit 6 H.	\$20,348.14	Yes
MS11008	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11009	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11010	Border Valley Trading	8/26/2011	10/25/2017	4/25/2020	\$150,000.00	\$150,000.00	New LNG Station	\$0.00	Yes
MS11016	CR&R Incorporated	4/12/2013	10/11/2019		\$100,000.00	\$100,000.00	New CNG Station - Perris	\$0.00	Yes
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$225,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11055	KEC Engineering	2/3/2012	8/2/2018	8/2/2019	\$200,000.00	\$200,000.00	Repower 5 H.D. Off-Road Vehicles	\$0.00	Yes
MS11060	Rowland Unified School District	8/17/2012	1/16/2019	1/16/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11067	City of Redlands	5/24/2012	11/23/2018	11/23/2019	\$85,000.00	\$85,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11071	City of Torrance Transit Department	12/22/2012	1/21/2019	1/21/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11073	Los Angeles Unified School District	9/11/2015	2/10/2022		\$175,000.00	\$175,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11079	Bear Valley Unified School District	2/5/2013	10/4/2019		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes

**Total: 20**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
--------	------------	------------	----------------------	---------------------	-------------------	----------	---------------------	------------------	----------------------

## FY 2011-2012 Contracts

### Open Contracts

ML12014	City of Santa Ana	11/8/2013	8/7/2020		\$384,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$379,291.00	No
ML12018	City of West Covina	10/18/2013	10/17/2020	8/17/2023	\$300,000.00	\$0.00	Expansion of Existing CNG Station	\$300,000.00	No
ML12043	City of Hemet	6/24/2013	9/23/2019		\$60,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$60,000.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	6/13/2022	\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	No
ML12057	City of Coachella	8/28/2013	8/27/2019	1/27/2022	\$57,456.00	\$40,375.80	Purchase One Nat. Gas H.D. Vehicle/Street	\$17,080.20	No
ML12090	City of Palm Springs	10/9/2015	10/8/2021		\$21,163.00	\$0.00	EV Charging Infrastructure	\$21,163.00	No
ML12091	City of Bellflower	10/5/2018	10/4/2019		\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No
MS12060	City of Santa Monica	4/4/2014	8/3/2017	8/3/2019	\$500,000.00	\$434,202.57	Implement Westside Bikeshare Program	\$65,797.43	No

**Total: 8**

### Declined/Cancelled Contracts

ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructur	\$60,000.00	No
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Acess CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Mus	\$99,000.00	No

**Total: 12**

### Closed Contracts

ML12013	City of Pasadena	10/19/2012	3/18/2015	9/18/2015	\$200,000.00	\$65,065.00	Electric Vehicle Charging Infrastructure	\$134,935.00	Yes
ML12019	City of Palm Springs	9/6/2013	7/5/2015		\$38,000.00	\$16,837.00	EV Charging Infrastructure	\$21,163.00	Yes
ML12021	City of Rancho Cucamonga	9/14/2012	1/13/2020		\$40,000.00	\$40,000.00	Four Medium-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$192,333.00	EV Charging Infrastructure	\$57,667.00	Yes
ML12037	Coachella Valley Association of Gov	3/14/2013	3/13/2014		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	11/3/2015	11/3/2017	\$68,977.00	\$38,742.16	EV Charging Infrastructure	\$30,234.84	Yes
ML12042	City of Chino Hills	1/18/2013	3/17/2017		\$87,500.00	\$87,500.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12047	City of Orange	2/1/2013	1/31/2019		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12049	City of Rialto Public Works	7/14/2014	9/13/2015		\$30,432.00	\$3,265.29	EV Charging Infrastructure	\$27,166.71	Yes
ML12050	City of Baldwin Park	4/25/2013	4/24/2014	10/24/2014	\$402,400.00	\$385,363.00	EV Charging Infrastructure	\$17,037.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12054	City of Palm Desert	9/30/2013	2/28/2015		\$77,385.00	\$77,385.00	EV Charging Infrastructure	\$0.00	Yes
ML12055	City of Manhattan Beach	3/1/2013	12/31/2018		\$10,000.00	\$10,000.00	One Medium-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12056	City of Cathedral City	3/26/2013	5/25/2014		\$25,000.00	\$25,000.00	Regional Street Sweeping Program	\$0.00	Yes
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$5,900.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
MS12001	Los Angeles County MTA	7/1/2012	4/30/2013		\$300,000.00	\$211,170.00	Clean Fuel Transit Service to Dodger Stadiu	\$88,830.00	Yes
MS12002	Orange County Transportation Autho	9/7/2012	4/30/2013		\$342,340.00	\$333,185.13	Express Bus Service to Orange County Fair	\$9,154.87	Yes
MS12003	Orange County Transportation Autho	7/20/2012	2/28/2013		\$234,669.00	\$167,665.12	Implement Metrolink Service to Angel Stadiu	\$67,003.88	Yes
MS12005	USA Waste of California, Inc.	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12006	Waste Management Collection & Re	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12012	Rim of the World Unified School Dist	12/20/2012	5/19/2014		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12025	Silverado Stages, Inc.	11/2/2012	7/1/2018		\$150,000.00	\$150,000.00	Purchase Six Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$353,048.26	Purchase 23 Medium-Heavy Duty Vehicles	\$146,951.74	Yes
MS12028	Dy-Dee Service of Pasadena, Inc.	12/22/2012	1/21/2019		\$45,000.00	\$40,000.00	Purchase 2 Medium-Duty and 1 Medium-He	\$5,000.00	Yes
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	Yes
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$50,000.00	\$32,446.00	Purchase 2 Medium-Heavy Duty Vehicles	\$17,554.00	Yes
MS12032	Fox Transportation	12/14/2012	12/13/2018		\$500,000.00	\$500,000.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12036	Jim & Doug Carter's Automotive/VS	1/4/2013	11/3/2018		\$50,000.00	\$50,000.00	Purchase 2 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12058	Krisda Inc	4/24/2013	1/23/2019		\$25,000.00	\$25,000.00	Repower One Heavy-Duty Off-Road Vehicle	\$0.00	Yes
MS12059	Orange County Transportation Autho	2/28/2013	12/27/2014		\$75,000.00	\$75,000.00	Maintenance Facilities Modifications	\$0.00	Yes
MS12061	Orange County Transportation Autho	3/14/2014	3/13/2017		\$224,000.00	\$114,240.00	Transit-Oriented Bicycle Sharing Program	\$109,760.00	Yes
MS12062	Fraser Communications	12/7/2012	5/31/2014		\$998,669.00	\$989,218.49	Develop & Implement "Rideshare Thursday"	\$9,450.51	Yes
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$56,443.92	Implement Anaheim Circulator Service	\$70,852.08	Yes
MS12065	Orange County Transportation Autho	7/27/2013	11/30/2013		\$43,933.00	\$14,832.93	Ducks Express Service to Honda Center	\$29,100.07	Yes
MS12068	Southern California Regional Rail Au	3/1/2013	9/30/2013		\$57,363.00	\$47,587.10	Implement Metrolink Service to Autoclub Sp	\$9,775.90	Yes
MS12069	City of Irvine	8/11/2013	2/28/2014		\$45,000.00	\$26,649.41	Implement Special Transit Service to Solar	\$18,350.59	Yes
MS12071	Transit Systems Unlimited, Inc.	5/17/2013	12/16/2018		\$21,250.00	\$21,250.00	Expansion of Existing CNG Station	\$0.00	Yes
MS12076	City of Ontario, Housing & Municipal	3/8/2013	4/7/2015		\$75,000.00	\$75,000.00	Maintenance Facilities Modification	\$0.00	Yes
MS12078	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$73,107.00	Maintenance Facility Modifications - Vernon	\$1,893.00	Yes
MS12081	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$75,000.00	Maintenance Facility Modifications - Santa A	\$0.00	Yes
MS12085	Bear Valley Unified School District	4/25/2013	6/24/2014		\$75,000.00	\$75,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS12086	SuperShuttle International, Inc.	3/26/2013	3/25/2019		\$225,000.00	\$225,000.00	Purchase 23 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12087	Los Angeles County MTA	8/29/2013	11/28/2015		\$125,000.00	\$125,000.00	Implement Rideshare Incentives Program	\$0.00	Yes
MS12088	Orange County Transportation Autho	12/6/2013	3/5/2016		\$125,000.00	\$18,496.50	Implement Rideshare Incentives Program	\$106,503.50	Yes
MS12089	Riverside County Transportation Co	10/18/2013	9/17/2015		\$249,136.00	\$105,747.48	Implement Rideshare Incentives Program	\$143,388.52	No
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	No

**Total: 45**

**Closed/Incomplete Contracts**



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12051	City of Bellflower	2/7/2014	2/6/2016	5/6/2018	\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No
MS12077	City of Coachella	6/14/2013	6/13/2020		\$225,000.00	\$0.00	Construct New CNG Station	\$225,000.00	No
MS12079	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Boyle H	\$75,000.00	No
MS12084	Airport Mobil Inc.	12/6/2013	5/5/2020		\$150,000.00	\$0.00	Install New CNG Infrastructure	\$150,000.00	No

**Total: 4**

#### Open/Complete Contracts

ML12015	City of Fullerton	4/25/2013	11/24/2020	11/24/2021	\$40,000.00	\$40,000.00	HD CNG Vehicle, Expand CNG Station	\$0.00	Yes
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020	11/25/2021	\$950,000.00	\$950,000.00	32 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12020	City of Los Angeles, Department of	9/27/2012	3/26/2019	3/26/2020	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12022	City of La Puente	12/6/2013	6/5/2020		\$110,000.00	\$110,000.00	2 Medium-Duty and Three Heavy-Duty CNG	\$0.00	Yes
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$90,000.00	Three Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12046	City of Irvine	8/11/2013	3/10/2021		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
MS12004	USA Waste of California, Inc.	10/24/2013	11/23/2019		\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12008	Bonita Unified School District	7/12/2013	12/11/2019	4/11/2021	\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12009	Sysco Food Services of Los Angeles	1/7/2014	4/6/2020		\$150,000.00	\$150,000.00	Construct New Public-Access LNG Station	\$0.00	Yes
MS12010	Murrieta Valley Unified School Distric	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12011	Southern California Gas Company	6/14/2013	6/13/2019	5/28/2021	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12024	Southern California Gas Company	6/13/2013	12/12/2019	11/12/2020	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12033	Mike Diamond/Phace Management	12/22/2012	12/21/2018	6/21/2021	\$148,900.00	\$148,900.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	No
MS12034	Ware Disposal Company, Inc.	11/2/2012	11/1/2018	5/1/2022	\$133,070.00	\$133,070.00	Purchase 8 Medium-Heavy Duty Vehicles	\$0.00	No
MS12035	Disneyland Resort	1/4/2013	7/3/2019		\$25,000.00	\$18,900.00	Purchase 1 Medium-Heavy Duty Vehicle	\$6,100.00	Yes
MS12063	Custom Alloy Light Metals, Inc.	8/16/2013	2/15/2020		\$100,000.00	\$100,000.00	Install New Limited Access CNG Station	\$0.00	Yes
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$100,000.00	Construct New CNG Station	\$0.00	Yes
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$150,000.00	Construct New CNG Station	\$0.00	Yes
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12075	CR&R Incorporated	7/27/2013	1/26/2021	1/26/2022	\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS12080	City of Pasadena	11/8/2013	8/7/2020	2/7/2022	\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021	2/19/2023	\$175,000.00	\$175,000.00	Install New CNG Infrastructure	\$0.00	Yes
MS12083	Brea Olinda Unified School District	7/30/2015	2/29/2024		\$59,454.00	\$59,454.00	Install New CNG Infrastructure	\$0.00	Yes

**Total: 23**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
--------	------------	------------	----------------------	---------------------	-------------------	----------	---------------------	------------------	----------------------

## FY 2012-2014 Contracts

### Open Contracts

ML14012	City of Santa Ana	2/13/2015	10/12/2021		\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14018	City of Los Angeles, Department of	3/6/2015	9/5/2021	12/5/2022	\$810,000.00	\$720,000.00	Purchase 27 H.D. Nat. Gas Vehicles	\$90,000.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/30/2020	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14023	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2019	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Westcheste	\$230,000.00	No
ML14024	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2019	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Baldwin Par	\$230,000.00	No
ML14025	County of Los Angeles Dept of Publi	10/2/2015	7/1/2018	7/1/2024	\$300,000.00	\$0.00	Construct New CNG Station in Malibu	\$300,000.00	No
ML14026	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	5/1/2024	\$300,000.00	\$0.00	Construct New CNG Station in Castaic	\$300,000.00	No
ML14027	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	6/1/2024	\$500,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$500,000.00	No
ML14030	County of Los Angeles Internal Servi	1/9/2015	3/8/2018	10/8/2019	\$425,000.00	\$25,000.00	Bicycle Racks, Outreach & Education	\$400,000.00	No
ML14062	City of San Fernando	3/27/2015	5/26/2021	10/31/2023	\$387,091.00	\$325,679.00	Expand Existing CNG Fueling Station	\$61,412.00	No
ML14067	City of Duarte	12/4/2015	1/3/2023	6/3/2024	\$60,000.00	\$0.00	Purchase Two Electric Buses	\$60,000.00	No
ML14068	City of South Pasadena	9/12/2014	10/11/2015	1/11/2020	\$10,183.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,183.00	No
ML14069	City of Beaumont	3/3/2017	3/2/2025		\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
ML14072	City of Cathedral City	8/13/2014	1/12/2021	7/12/2022	\$66,000.00	\$35,089.03	Install EV Charging, Bike Racks & Education	\$30,910.97	No
ML14096	County of Los Angeles Dept of Publi	5/3/2019	12/2/2019		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
MS14037	Penske Truck Leasing Co., L.P.	4/7/2017	6/6/2020		\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Carson	\$75,000.00	No
MS14057	Los Angeles County MTA	11/7/2014	10/6/2019	10/6/2020	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018	4/4/2020	\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14072	San Bernardino County Transportatio	3/27/2015	3/26/2018	3/26/2020	\$1,250,000.00	\$887,566.17	Implement Various Signal Synchronization P	\$362,433.83	No
MS14076	Rialto Unified School District	6/17/2015	2/16/2022	6/25/2023	\$225,000.00	\$213,750.00	New Public Access CNG Station	\$11,250.00	No
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	2/13/2024	\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022		\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No

**Total: 22**

### Pending Execution Contracts

ML14097	County of Los Angeles Internal Servi				\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
---------	--------------------------------------	--	--	--	--------------	--------	--	--------------	----

**Total: 1**

### Declined/Cancelled Contracts

ML14063	City of Hawthorne				\$32,000.00	\$0.00	Expansion of Existng CNG Infrastructure	\$32,000.00	No
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14043	City of Anaheim				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS14078	American Honda Motor Co., Inc.	9/4/2015	8/3/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14085	Prologis, L.P.				\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS14086	San Gabriel Valley Towing I				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14091	Serv-Wel Disposal				\$100,000.00	\$0.00	New Limited-Access CNG Infrastructure	\$100,000.00	No

**Total: 9**

#### Closed Contracts

ML14010	City of Cathedral City	8/13/2014	10/12/2015		\$25,000.00	\$25,000.00	Street Sweeping Operations	\$0.00	Yes
ML14011	City of Palm Springs	6/13/2014	1/12/2016		\$79,000.00	\$78,627.00	Bicycle Racks, Bicycle Outreach & Educatio	\$373.00	Yes
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML14020	County of Los Angeles Dept of Publi	8/13/2014	1/12/2018		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$71,056.78	Bicycle Trail Improvements	\$19,443.22	Yes
ML14051	City of Brea	9/5/2014	1/4/2017	7/4/2018	\$450,000.00	\$450,000.00	Installation of Bicycle Trail	\$0.00	Yes
ML14054	City of Torrance	11/14/2014	4/13/2017	7/13/2017	\$350,000.00	\$319,908.80	Upgrade Maintenance Facility	\$30,091.20	Yes
ML14055	City of Highland	10/10/2014	3/9/2018	3/9/2019	\$500,000.00	\$489,385.24	Bicycle Lanes and Outreach	\$10,614.76	Yes
ML14056	City of Redlands	9/5/2014	5/4/2016	5/4/2018	\$125,000.00	\$125,000.00	Bicycle Lanes	\$0.00	Yes
ML14065	City of Orange	9/5/2014	8/4/2015		\$10,000.00	\$10,000.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14070	City of Rancho Cucamonga	9/3/2016	12/2/2018		\$365,245.00	\$326,922.25	Bicycle Trail Improvements	\$38,322.75	Yes
ML14071	City of Manhattan Beach	1/9/2015	11/8/2018		\$22,485.00	\$22,485.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
ML14094	City of Yucaipa	6/9/2017	6/8/2018		\$84,795.00	\$84,795.00	Installation of Bicycle Lanes	\$0.00	Yes
ML14095	City of South Pasadena	1/10/2019	7/9/2019		\$142,096.00	\$134,182.09	Bicycle Trail Improvements	\$7,913.91	Yes
MS14001	Los Angeles County MTA	3/6/2015	4/30/2015		\$1,216,637.00	\$1,199,512.68	Clean Fuel Transit Service to Dodger Stadiu	\$17,124.32	Yes
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	Yes
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$184,523.00	Implement Metrolink Service to Angel Stadiu	\$9,712.00	Yes
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	Yes
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$511,520.00	Provide Expanded Shuttle Service to Hollyw	\$3,680.00	Yes
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$189,622.94	Implement Special Metrolink Service to Ang	\$18,897.06	Yes
MS14008	Orange County Transportation Autho	8/13/2014	5/31/2015		\$601,187.00	\$601,187.00	Implement Clean Fuel Bus Service to Orang	\$0.00	Yes
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014	3/31/2015	\$388,000.00	\$388,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS14039	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Irvine	\$0.00	Yes
MS14040	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$0.00	Yes
MS14047	Southern California Regional Rail Au	3/7/2014	9/30/2014		\$49,203.00	\$32,067.04	Special Metrolink Service to Autoclub Speed	\$17,135.96	Yes
MS14048	BusWest	3/14/2014	12/31/2014	5/31/2015	\$940,850.00	\$847,850.00	Alternative Fuel School Bus Incentive Progra	\$93,000.00	Yes
MS14058	Orange County Transportation Autho	11/7/2014	4/6/2016	4/6/2017	\$1,250,000.00	\$1,250,000.00	Implement Various Signal Synchronization P	\$0.00	Yes
MS14073	Anaheim Transportation Network	1/9/2015	4/30/2017		\$221,312.00	\$221,312.00	Anaheim Resort Circulator Service	\$0.00	Yes
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ang	\$44,267.12	Yes
MS14088	Southern California Regional Rail Au	5/7/2015	9/30/2015		\$79,660.00	\$66,351.44	Special Metrolink Service to Autoclub Speed	\$13,308.56	Yes
MS14089	Top Shelf Consulting, LLC	1/18/2017	8/4/2016	3/31/2017	\$200,000.00	\$200,000.00	Enhanced Fleet Modernization Program	\$0.00	Yes

**Total: 31**

#### Closed/Incomplete Contracts

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14050	City of Yucaipa	7/11/2014	9/10/2015	7/1/2016	\$84,795.00	\$0.00	Installation of Bicycle Lanes	\$84,795.00	No
ML14060	County of Los Angeles Internal Servi	10/6/2017	1/5/2019		\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
ML14066	City of South Pasadena	9/12/2014	7/11/2016	2/11/2018	\$142,096.00	\$0.00	Bicycle Trail Improvements	\$142,096.00	No
ML14093	County of Los Angeles Dept of Publi	8/14/2015	1/13/2019		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
MS14092	West Covina Unified School District	9/3/2016	12/2/2022		\$124,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$124,000.00	No

**Total: 5**

<b>Open/Complete Contracts</b>									
ML14013	City of Los Angeles, Bureau of Sanit	10/7/2016	2/6/2025		\$400,000.00	\$400,000.00	Purchase 14 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14014	City of Torrance	9/5/2014	12/4/2019		\$56,000.00	\$56,000.00	EV Charging Infrastructure	\$0.00	Yes
ML14016	City of Anaheim	4/3/2015	9/2/2021		\$380,000.00	\$380,000.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$0.00	Yes
ML14019	City of Corona Public Works	12/5/2014	6/4/2020	3/6/2023	\$111,518.00	\$111,517.18	EV Charging, Bicycle Racks, Bicycle Locker	\$0.82	Yes
ML14022	County of Los Angeles Department o	10/2/2015	5/1/2022		\$270,000.00	\$270,000.00	Purchase 9 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML14028	City of Fullerton	9/5/2014	1/4/2022		\$126,950.00	\$126,950.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
ML14031	Riverside County Waste Manageme	6/13/2014	12/12/2020		\$90,000.00	\$90,000.00	Purchase 3 H.D. CNG Vehicles	\$0.00	Yes
ML14032	City of Rancho Cucamonga	1/9/2015	1/8/2022		\$113,990.00	\$104,350.63	Expansion of Existing CNG Infrast., Bicycle L	\$9,639.37	Yes
ML14033	City of Irvine	7/11/2014	2/10/2021	2/10/2022	\$60,000.00	\$60,000.00	Purchase 2 H.D. CNG Vehicles	\$0.00	Yes
ML14034	City of Lake Elsinore	9/5/2014	5/4/2021		\$56,700.00	\$56,700.00	EV Charging Stations	\$0.00	Yes
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$101,976.09	One HD Nat Gas Vehicle, EV Charging, Bicy	\$3,023.91	Yes
ML14061	City of La Habra	3/11/2016	3/10/2022		\$41,600.00	\$41,270.49	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$329.51	Yes
ML14064	City of Claremont	7/11/2014	7/10/2020	1/10/2021	\$60,000.00	\$60,000.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
MS14041	USA Waste of California, Inc.	9/4/2015	10/3/2021		\$175,000.00	\$175,000.00	Limited-Access CNG Station, Vehicle Maint.	\$0.00	Yes
MS14042	Grand Central Recycling & Transfer	6/6/2014	9/5/2021		\$150,000.00	\$150,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS14044	TIMCO CNG Fund I, LLC	5/2/2014	11/1/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Santa A	\$0.00	Yes
MS14045	TIMCO CNG Fund I, LLC	6/6/2014	12/5/2020		\$150,000.00	\$150,000.00	New Public-Access CNG Station in Inglewoo	\$0.00	Yes
MS14046	Ontario CNG Station Inc.	5/15/2014	5/14/2020	11/14/2021	\$150,000.00	\$150,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14052	Arcadia Unified School District	6/13/2014	10/12/2020		\$78,000.00	\$78,000.00	Expansion of an Existing CNG Fueling Statio	\$0.00	Yes
MS14053	Upland Unified School District	1/9/2015	7/8/2021		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS14074	Midway City Sanitary District	1/9/2015	3/8/2021		\$250,000.00	\$250,000.00	Limited-Access CNG Station & Facility Modif	\$0.00	Yes
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$300,000.00	\$293,442.00	Expansion of Existing CNG Infrastructure/Ma	\$6,558.00	Yes
MS14077	County Sanitation Districts of L.A. Co	3/6/2015	5/5/2021		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS14080	CR&R Incorporated	6/1/2015	8/31/2021	8/31/2022	\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure/Ma	\$0.00	No
MS14081	CR&R Incorporated	6/1/2015	5/30/2021		\$175,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure/Ma	\$75,000.00	No
MS14082	Grand Central Recycling & Transfer	12/4/2015	3/3/2023	3/3/2024	\$150,000.00	\$150,000.00	Construct New Public Access CNG Station	\$0.00	Yes
MS14084	US Air Conditioning Distributors	5/7/2015	9/6/2021		\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS14090	City of Monterey Park	5/7/2015	5/6/2021		\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes

**Total: 28**

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2014-2016 Contracts</b>									
<b>Open Contracts</b>									
ML16006	City of Cathedral City	4/27/2016	4/26/2022		\$25,000.00	\$0.00	Purchase 1 H.D. Nat. Gas Vehicle, Bicycle	\$25,000.00	No
ML16007	City of Culver City Transportation De	10/6/2015	4/5/2023		\$246,000.00	\$210,000.00	Purchase 7 H.D. Nat. Gas Vehicles, EV Cha	\$36,000.00	No
ML16008	City of Pomona	9/20/2016	11/19/2022	5/19/2025	\$60,000.00	\$0.00	Purchase 3 Medium-Duty and 1 Heavy-Duty	\$60,000.00	No
ML16009	City of Fountain Valley	10/6/2015	2/5/2018	5/5/2019	\$46,100.00	\$46,100.00	Install EV Charging Infrastructure	\$0.00	No
ML16010	City of Fullerton	10/7/2016	4/6/2023		\$370,500.00	\$27,896.71	Expand Existing CNG Station, EV Charging I	\$342,603.29	No
ML16013	City of Monterey Park	12/4/2015	7/3/2022	7/3/2024	\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	No
ML16016	City of Los Angeles, Department of	2/5/2016	12/4/2022		\$630,000.00	\$540,000.00	Purchase 21 Heavy-Duty Nat. Gas Vehicles	\$90,000.00	No
ML16017	City of Long Beach	2/5/2016	8/4/2023		\$1,445,400.00	\$1,131,400.00	Purchase 50 Medium-Duty, 19 H.D. Nat. Ga	\$314,000.00	No
ML16018	City of Hermosa Beach	10/7/2016	1/6/2023		\$29,520.00	\$23,768.44	Purchase 2 M.D. Nat. Gas Vehicles, Bicycle	\$5,751.56	No
ML16019	City of Los Angeles, Dept of General	1/25/2017	3/24/2020		\$102,955.00	\$0.00	Install EV Charging Infrastructure	\$102,955.00	No
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024	9/4/2025	\$360,000.00	\$0.00	Purchase 12 H.D. Nat. Gas Vehicles	\$360,000.00	No
ML16025	City of South Pasadena	6/22/2016	4/21/2023	10/21/2024	\$160,000.00	\$0.00	Purchase H.D. Nat. Gas Vehicle, Expand Ex	\$160,000.00	No
ML16032	City of Azusa	9/9/2016	4/8/2019	4/8/2020	\$474,925.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$474,925.00	No
ML16034	City of Riverside	3/11/2016	10/10/2018	7/10/2020	\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16038	City of Palm Springs	4/1/2016	7/31/2022		\$230,000.00	\$0.00	Install Bicycle Lanes & Purchase 4 Heavy-D	\$230,000.00	No
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022		\$32,000.00	\$0.00	Install EV Charging Infrastructure	\$32,000.00	No
ML16040	City of Eastvale	1/6/2017	7/5/2022		\$110,000.00	\$0.00	Install EV Charging Infrastructure	\$110,000.00	No
ML16041	City of Moreno Valley	9/3/2016	1/2/2021	7/2/2023	\$20,000.00	\$0.00	Install EV Charging Infrastructure	\$20,000.00	No
ML16042	City of San Dimas	4/1/2016	12/31/2019	12/31/2021	\$55,000.00	\$0.00	Install EV Charging Infrastructure	\$55,000.00	No
ML16045	City of Anaheim	6/22/2016	8/21/2019		\$275,000.00	\$0.00	Maintenance Facility Modifications	\$275,000.00	No
ML16046	City of El Monte	4/1/2016	5/31/2021	5/31/2023	\$20,160.00	\$0.00	Install EV Charging Infrastructure	\$20,160.00	No
ML16047	City of Fontana	1/6/2017	8/5/2019	8/5/2021	\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$500,000.00	No
ML16048	City of Placentia	3/26/2016	5/25/2021	6/25/2022	\$90,000.00	\$18,655.00	Install a Bicycle Locker and EV Charging Infr	\$71,345.00	No
ML16052	City of Rancho Cucamonga	9/3/2016	11/2/2019	9/30/2020	\$315,576.00	\$0.00	Install Two Class 1 Bikeways	\$315,576.00	No
ML16053	City of Claremont	3/11/2016	7/10/2018	5/10/2020	\$498,750.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$498,750.00	No
ML16054	City of Yucaipa	3/26/2016	7/26/2018	10/25/2019	\$120,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$120,000.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019	1/26/2020	\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$491,898.00	\$0.00	Purchase 15 H.D. Nat. Gas Vehicles and Ins	\$491,898.00	No
ML16069	City of West Covina	3/10/2017	6/9/2021		\$54,199.00	\$0.00	Installation of EV Charging Infrastructure	\$54,199.00	No
ML16070	City of Beverly Hills	2/21/2017	6/20/2023		\$90,000.00	\$0.00	Purchase 3 H.D. Nat. Gas Vehicles	\$90,000.00	No
ML16071	City of Highland	5/5/2017	1/4/2020	1/4/2022	\$264,500.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$264,500.00	No
ML16075	City of San Fernando	10/27/2016	2/26/2019	2/26/2020	\$354,000.00	\$0.00	Install a Class 1 Bikeway	\$354,000.00	No
ML16077	City of Rialto	5/3/2018	10/2/2021		\$463,216.00	\$0.00	Pedestrian Access Improvements, Bicycle L	\$463,216.00	No
ML16083	City of El Monte	4/1/2016	4/30/2021	4/30/2023	\$57,210.00	\$0.00	Install EV Charging Infrastructure	\$57,210.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16122	City of Wildomar	6/8/2018	6/7/2019		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
MS16029	Orange County Transportation Autho	1/12/2018	6/11/2020		\$851,883.00	\$82,000.00	TCM Partnership Program - OC Bikeways	\$769,883.00	No
MS16030	Better World Group Advisors	12/19/2015	12/31/2017	12/31/2019	\$256,619.00	\$203,799.18	Programmic Outreach Services to the MSR	\$52,819.82	No
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$229,589.91	Freeway Service Patrols	\$571,035.09	No
MS16090	Los Angeles County MTA	10/27/2016	4/26/2020		\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022		\$1,909,241.00	\$0.00	MetroLink First Mile/Last Mile Mobility Strate	\$1,909,241.00	No
MS16096	San Bernardino County Transportatio	10/27/2016	12/26/2019		\$450,000.00	\$0.00	EV Charging Infrastructure	\$450,000.00	No
MS16106	City of Lawndale	3/1/2019	11/30/2025		\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16110	City of Riverside	10/6/2017	2/5/2025		\$300,000.00	\$0.00	Expansion of Existing CNG Station and Main	\$300,000.00	No
MS16112	Orange County Transportation Autho	4/14/2017	3/13/2024		\$1,470,000.00	\$1,470,000.00	Repower Up to 98 Transit Buses	\$0.00	No
MS16113	Los Angeles County MTA	5/12/2017	4/11/2024		\$1,875,000.00	\$1,781,250.00	Repower Up to 125 Transit Buses	\$93,750.00	No
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$870,000.00	\$356,250.00	Repower 58 Transit Buses	\$513,750.00	No
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	No
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	No
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$0.00	Repower 63 Existing Buses	\$945,000.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024	11/30/2026	\$600,000.00	\$14,250.00	Repower 39 and Purchase 1 New Transit Bu	\$585,750.00	No
MS16123	Orange County Transportation Autho	12/7/2018	11/6/2023		\$91,760.00	\$0.00	Install La Habra Union Pacific Bikeway	\$91,760.00	No
MS16124	Riverside County Transportation Co	12/14/2018	12/14/2019		\$253,239.00	\$28,869.20	Extended Freeway Service Patrols	\$224,369.80	No

**Total: 53**

#### Pending Execution Contracts

ML16126	City of Palm Springs				\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycl	\$40,000.00	No
MS16125	San Bernardino County Transportatio				\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No

**Total: 2**

#### Declined/Cancelled Contracts

ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
ML16065	City of Temple City				\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16067	City of South El Monte				\$73,329.00	\$0.00	Implement an "Open Streets" Event	\$73,329.00	No
ML16074	City of La Verne	7/22/2016	1/21/2023		\$365,000.00	\$0.00	Install CNG Fueling Station	\$365,000.00	No
MS16043	LBA Realty Company LLC				\$100,000.00	\$0.00	Install Limited-Access CNG Station	\$100,000.00	No
MS16080	Riverside County Transportation Co				\$1,200,000.00	\$0.00	Passenger Rail Service for Coachella and St	\$1,200,000.00	No
MS16098	Long Beach Transit				\$198,957.00	\$0.00	Provide Special Bus Service to Stub Hub Ce	\$198,957.00	No
MS16104	City of Perris				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16107	Athens Services				\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No
MS16108	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public-Access CNG Station in Bell	\$150,000.00	No
MS16109	Sanitation Districts of Los Angeles C				\$275,000.00	\$0.00	Expansion of an Existing L/CNG Station	\$275,000.00	No
MS16111	VNG 925 Lakeview Avenue, LLC				\$150,000.00	\$0.00	Construct Public Access CNG Station in Pla	\$150,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>Total: 12</b>									
<b>Closed Contracts</b>									
ML16015	City of Yorba Linda	3/4/2016	11/3/2017		\$85,000.00	\$85,000.00	Install Bicycle Lanes	\$0.00	No
ML16020	City of Pomona	4/1/2016	2/1/2018	8/1/2018	\$440,000.00	\$440,000.00	Install Road Surface Bicycle Detection Syste	\$0.00	No
ML16026	City of Downey	5/6/2016	9/5/2017		\$40,000.00	\$40,000.00	Install EV Charging Infrastructure	\$0.00	No
ML16028	City of Azusa	9/9/2016	4/8/2018		\$25,000.00	\$25,000.00	Enhance Existing Class 1 Bikeway	\$0.00	Yes
ML16031	City of Cathedral City	12/19/2015	2/18/2017		\$25,000.00	\$25,000.00	Street Sweeping in Coachella Valley	\$0.00	Yes
ML16033	Coachella Valley Association of Gov	4/27/2016	4/26/2018		\$250,000.00	\$250,000.00	Street Sweeping Operations in Coachella Va	\$0.00	Yes
ML16035	City of Wildomar	4/1/2016	11/1/2017		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
ML16036	City of Brea	3/4/2016	12/3/2018		\$500,000.00	\$500,000.00	Install a Class 1 Bikeway	\$0.00	Yes
ML16049	City of Buena Park	4/1/2016	11/30/2018		\$429,262.00	\$429,262.00	Installation of a Class 1 Bikeway	\$0.00	Yes
ML16051	City of South Pasadena	2/12/2016	1/11/2017	12/11/2017	\$320,000.00	\$258,691.25	Implement "Open Streets" Event with Variou	\$61,308.75	Yes
ML16060	City of Cudahy	2/5/2016	10/4/2017		\$73,910.00	\$62,480.00	Implement an "Open Streets" Event	\$11,430.00	No
ML16064	County of Orange, OC Parks	2/21/2017	10/20/2018		\$204,073.00	\$157,632.73	Implement "Open Streets" Events with Vario	\$46,440.27	No
ML16066	City of Long Beach Public Works	1/13/2017	9/12/2018		\$75,050.00	\$63,763.62	Implement an "Open Streets" Event	\$11,286.38	Yes
ML16068	Riverside County Dept of Public Heal	12/2/2016	8/1/2018		\$171,648.00	\$171,648.00	Implement "Open Streets" Events with Vario	\$0.00	Yes
ML16073	City of Long Beach Public Works	1/13/2017	7/12/2017		\$50,000.00	\$50,000.00	Implement an "Open Streets" Event	\$0.00	Yes
ML16078	City of Moreno Valley	5/6/2016	11/5/2017	5/5/2018	\$32,800.00	\$31,604.72	Install Bicycle Infrastructure & Implement Bi	\$1,195.28	Yes
MS16001	Los Angeles County MTA	4/1/2016	4/30/2017		\$1,350,000.00	\$1,332,039.84	Clean Fuel Transit Service to Dodger Stadiu	\$17,960.16	Yes
MS16002	Orange County Transportation Autho	10/6/2015	5/31/2016		\$722,266.00	\$703,860.99	Clean Fuel Transit Service to Orange Count	\$18,405.01	Yes
MS16003	Special Olympics World Games Los	10/9/2015	12/30/2015		\$380,304.00	\$380,304.00	Low-Emission Transportation Service for Sp	\$0.00	Yes
MS16004	Mineral LLC	9/4/2015	7/3/2017	1/3/2018	\$27,690.00	\$9,300.00	Design, Develop, Host and Maintain MSRC	\$18,390.00	Yes
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Uni	\$168,670.00	No
MS16085	Southern California Regional Rail Au	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	No
MS16089	Orange County Transportation Autho	7/8/2016	4/30/2017		\$128,500.00	\$128,500.00	Implement Special Bus Service to Angel Sta	\$0.00	Yes
MS16092	San Bernardino County Transportatio	2/3/2017	1/2/2019		\$242,937.00	\$242,016.53	Implement a Series of "Open Streets" Event	\$920.47	No
MS16093	Orange County Transportation Autho	9/3/2016	3/2/2018	9/2/2018	\$1,553,657.00	\$1,499,575.85	Implement a Mobile Ticketing System	\$54,081.15	No
MS16095	Orange County Transportation Autho	7/22/2016	5/31/2017		\$694,645.00	\$672,864.35	Implement Special Bus Service to Orange C	\$21,780.65	Yes
MS16099	Foothill Transit	3/3/2017	3/31/2017		\$50,000.00	\$50,000.00	Provide Special Bus Service to the Los Ange	\$0.00	Yes
MS16100	Southern California Regional Rail Au	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes
<b>Total: 28</b>									
<b>Closed/Incomplete Contracts</b>									
ML16005	City of Palm Springs	3/4/2016	10/3/2017		\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycl	\$40,000.00	No
MS16082	Riverside County Transportation Co	9/3/2016	8/2/2018		\$590,759.00	\$337,519.71	Extended Freeway Service Patrols	\$253,239.29	No
MS16091	San Bernardino County Transportatio	10/7/2016	11/6/2018		\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No
<b>Total: 3</b>									
<b>Open/Complete Contracts</b>									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16011	City of Claremont	10/6/2015	6/5/2022		\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16012	City of Carson	1/15/2016	10/14/2022		\$60,000.00	\$60,000.00	Purchase 2 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$49,399.00	Install EV Charging Infrastructure	\$1.00	No
ML16023	City of Banning	12/11/2015	12/10/2021		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16024	City of Azusa	4/27/2016	2/26/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16027	City of Whittier	1/8/2016	11/7/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16037	City of Rancho Cucamonga	2/5/2016	11/4/2022		\$30,000.00	\$30,000.00	Purchase One Heavy-Duty Natural Gas Vehi	\$0.00	Yes
ML16050	City of Westminster	5/6/2016	7/5/2020	5/5/2022	\$115,000.00	\$93,925.19	Installation of EV Charging Infrastructure	\$21,074.81	No
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Veh	\$0.00	Yes
ML16056	City of Ontario	3/23/2016	9/22/2020	9/22/2021	\$106,565.00	\$106,565.00	Expansion of an Existing CNG Station	\$0.00	Yes
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	No
ML16061	City of Murrieta	4/27/2016	1/26/2020		\$11,642.00	\$9,398.36	Installation of EV Charging Infrastructure	\$2,243.64	Yes
ML16062	City of Colton	6/3/2016	7/2/2020		\$21,003.82	\$21,003.82	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16063	City of Glendora	3/4/2016	4/3/2022		\$30,000.00	\$30,000.00	Purchase One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16072	City of Palm Desert	3/4/2016	1/4/2020	1/3/2022	\$56,000.00	\$56,000.00	Installation of EV Charging Infrastructure	\$0.00	Yes
ML16076	City of San Fernando	2/21/2017	8/20/2021		\$43,993.88	\$43,993.88	Install EV Charging Infrastructure	\$0.00	No
ML16079	City of Yucaipa	4/1/2016	3/31/2020		\$5,000.00	\$5,000.00	Purchase Electric Lawnmower	\$0.00	Yes
MS16081	EDCO Disposal Corporation	3/4/2016	10/3/2022		\$150,000.00	\$150,000.00	Expansion of Existing Public Access CNG St	\$0.00	Yes
MS16087	Burrtec Waste & Recycling Services,	7/8/2016	3/7/2023		\$100,000.00	\$100,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS16088	Transit Systems Unlimited, Inc.	5/12/2017	1/11/2023		\$17,000.00	\$17,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS16097	Walnut Valley Unified School District	10/7/2016	11/6/2022		\$250,000.00	\$250,000.00	Expand CNG Station & Modify Maintenance	\$0.00	No
MS16102	Nasa Services, Inc.	2/21/2017	4/20/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	No
MS16103	Arrow Services, Inc.	2/3/2017	4/2/2023		\$100,000.00	\$100,000.00	Construct a Limited-Access CNG Station	\$0.00	Yes
MS16105	Huntington Beach Union High School	3/3/2017	7/2/2024		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS16114	City of Norwalk	3/3/2017	6/2/2024		\$45,000.00	\$32,170.00	Purchase 3 Transit Buses	\$12,830.00	Yes
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Purchase One Transit Bus	\$207.00	No

**Total: 26**



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
<b>FY 2016-2018 Contracts</b>									
<b>Open Contracts</b>									
ML18019	City of Hidden Hills	5/3/2018	5/2/2022		\$49,999.00	\$43,427.00	Purchase Two Light-Duty ZEVs and EVSE	\$6,572.00	No
ML18020	City of Colton	5/3/2018	4/2/2024		\$67,881.00	\$0.00	Purchase One Medium-Duty and One Heavy	\$67,881.00	No
ML18022	City of Desert Hot Springs	5/3/2018	1/2/2020		\$50,000.00	\$0.00	Traffic Signal and Synchronization Project	\$50,000.00	No
ML18028	City of Artesia	6/28/2018	3/27/2025		\$50,000.00	\$0.00	Install EVSE	\$50,000.00	No
ML18030	City of Grand Terrace	6/28/2018	3/27/2022	3/27/2025	\$45,000.00	\$0.00	Install EVSE	\$45,000.00	No
ML18031	City of Diamond Bar	9/7/2018	11/6/2025		\$73,930.00	\$0.00	Install EVSE, Purchase up to 2-LD Vehicles	\$73,930.00	No
ML18032	City of Arcadia	2/1/2019	4/30/2025		\$24,650.00	\$0.00	Purchase 1 Heavy-Duty Near-ZEV	\$24,650.00	No
ML18033	City of Duarte	8/8/2018	2/7/2025		\$50,000.00	\$0.00	Purchase 1-HD ZEV	\$50,000.00	No
ML18034	City of Calabasas	6/8/2018	3/7/2022		\$50,000.00	\$0.00	Install EVSE	\$50,000.00	No
ML18035	City of Westlake Village	8/8/2018	11/7/2022		\$50,000.00	\$0.00	Install EVSE	\$50,000.00	No
ML18036	City of Indian Wells	8/8/2018	5/7/2023		\$50,000.00	\$0.00	Install EV Charging Station	\$50,000.00	No
ML18037	City of Westminster	6/28/2018	6/27/2024	12/27/2026	\$120,900.00	\$0.00	Install EVSE, Purchase up to 3-LD ZEV & 1-	\$120,900.00	No
ML18038	City of Anaheim	10/5/2018	5/4/2025		\$221,500.00	\$50,000.00	Purchase 5 Light-Duty ZEVs and Install EVS	\$171,500.00	No
ML18039	City of Redlands	6/28/2018	7/27/2024		\$87,000.00	\$0.00	Purchase 1 Medium/Heavy-Duty ZEV and In	\$87,000.00	No
ML18040	City of Agoura Hills	7/13/2018	6/12/2022		\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18041	City of West Hollywood	8/8/2018	12/7/2023		\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18043	City of Yorba Linda	9/7/2018	12/6/2023		\$87,990.00	\$0.00	Install EV Charging Infrastructure	\$87,990.00	No
ML18044	City of Malibu	8/8/2018	10/7/2022		\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18045	City of Culver City Transportation De	6/28/2018	6/27/2025		\$51,000.00	\$0.00	Purchase Eight Near-Zero Vehicles	\$51,000.00	No
ML18046	City of Santa Ana	11/9/2018	7/8/2026		\$385,000.00	\$0.00	Purchase 6 Light-Duty ZEVs, 9 Heavy-Duty	\$385,000.00	No
ML18047	City of Whittier	8/8/2018	4/7/2026		\$113,910.00	\$0.00	Purchase 5 Heavy-Duty Near-Zero Emission	\$113,910.00	No
ML18048	City of Lynwood	6/28/2018	10/27/2024		\$93,500.00	\$0.00	Purchase Up to 3 Medium-Duty Zero-Emissi	\$93,500.00	No
ML18049	City of Downey	7/6/2018	5/5/2023		\$148,260.00	\$0.00	Install EVSE	\$148,260.00	No
ML18050	City of Irvine	9/7/2018	8/6/2028		\$330,490.00	\$0.00	Purchase 1 Medium/Heavy-Duty ZEV and In	\$330,490.00	No
ML18051	City of Rancho Cucamonga	3/1/2019	10/31/2025		\$227,040.00	\$0.00	Purchase 9 Light-Duty ZEVs, 2 Med-Duty Z	\$227,040.00	No
ML18052	City of Garden Grove	8/8/2018	10/7/2022		\$53,593.00	\$0.00	Purchase 4 L.D. ZEVs and Infrastructure	\$53,593.00	No
ML18053	City of Paramount	9/7/2018	3/6/2023		\$64,675.00	\$0.00	Install EV Charging Infrastructure	\$64,675.00	No
ML18054	City of La Habra Heights	8/8/2018	4/7/2022		\$9,200.00	\$0.00	Purchase 1 L.D. ZEV	\$9,200.00	No
ML18055	City of Long Beach Fleet Services B	11/29/2018	11/28/2026		\$622,220.00	\$0.00	Install EV Charging Stations	\$622,220.00	No
ML18056	City of Chino	3/29/2019	9/28/2023		\$103,868.00	\$0.00	Install EV Charging Infrastructure	\$103,868.00	No
ML18057	City of Carson	10/5/2018	7/4/2023		\$106,250.00	\$0.00	Purchase 5 Zero-Emission Vehicles and Infr	\$106,250.00	No
ML18058	City of Perris	10/12/2018	11/11/2024		\$94,624.00	\$0.00	Purchase 1 Med. H.D. ZEV and EV Chargin	\$94,624.00	No
ML18059	City of Glendale Water & Power	2/1/2019	7/31/2026		\$260,500.00	\$0.00	Install Electric Vehicle Charging Infrastructur	\$260,500.00	No
ML18060	County of Los Angeles Internal Servi	10/5/2018	8/4/2026		\$1,367,610.00	\$0.00	Purchase 29 Light-Duty Zero Emission Vehi	\$1,367,610.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18061	City of Moreno Valley	4/9/2019	2/8/2025		\$25,000.00	\$0.00	Purchase 1 Heavy-Duty Near-ZEV	\$25,000.00	No
ML18063	City of Riverside	6/7/2019	1/6/2027		\$383,610.00	\$0.00	Expand Existing CNG Station	\$383,610.00	No
ML18064	City of Eastvale	11/29/2018	4/28/2026		\$80,400.00	\$0.00	Purchase 2 Light-Duty, One Medium-Duty. Z	\$80,400.00	No
ML18067	City of Pico Rivera	9/7/2018	11/6/2022		\$83,500.00	\$0.00	Instal EVSE	\$83,500.00	No
ML18069	City of Torrance	3/1/2019	7/31/2027		\$187,400.00	\$0.00	Purchase 4 Heavy-Duty Near-Zero Emission	\$187,400.00	No
ML18070	City of Lomita	11/29/2018	6/28/2022		\$6,250.00	\$0.00	Purchase 1 Light-Duty ZEV	\$6,250.00	No
ML18071	City of Chino Hills	9/7/2018	10/6/2022		\$30,000.00	\$0.00	Purchase 2 Light-Duty ZEVs and Install EVS	\$30,000.00	No
ML18072	City of Anaheim	12/18/2018	11/17/2026		\$239,560.00	\$0.00	Purchase 9 Light-Duty ZEVs & 2 Med/Hvy-D	\$239,560.00	No
ML18074	City of Buena Park	12/14/2018	6/13/2026		\$107,960.00	\$0.00	EV Charging Infrastructure	\$107,960.00	No
ML18076	City of Culver City Transportation De	10/5/2018	10/4/2023		\$1,130.00	\$0.00	Purchase Light-Duty ZEV	\$1,130.00	No
ML18077	City of Orange	11/2/2018	10/1/2022		\$59,776.00	\$0.00	Four Light-Duty ZEV and EV Charging Infr	\$59,776.00	No
ML18078	County of Riverside	10/5/2018	10/4/2028		\$425,000.00	\$100,000.00	Purchase 17 Heavy-Duty Vehicles	\$325,000.00	No
ML18079	City of Pasadena	12/7/2018	11/6/2023		\$183,670.00	\$100,000.00	EV Charging Infrastructure	\$83,670.00	No
ML18080	City of Santa Monica	1/10/2019	12/9/2023		\$121,500.00	\$0.00	Install EV Charging Stations	\$121,500.00	No
ML18081	City of Beaumont	10/5/2018	10/4/2022		\$31,870.00	\$0.00	EV Charging Infrastructure	\$31,870.00	No
ML18083	City of San Fernando	11/2/2018	11/1/2022		\$20,000.00	\$0.00	Implement Traffic Signal Synchronization	\$20,000.00	No
ML18085	City of Orange	4/12/2019	10/11/2026		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$50,000.00	No
ML18086	City of Los Angeles Bureau of Street	2/8/2019	4/7/2023		\$300,000.00	\$0.00	Install Sixty EV Charging Stations	\$300,000.00	No
ML18087	City of Murrieta	3/29/2019	3/28/2025		\$143,520.00	\$0.00	Install Four EV Charging Stations	\$143,520.00	No
ML18088	City of Big Bear Lake	11/29/2018	8/28/2020		\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18090	City of Santa Clarita	5/9/2019	2/8/2023		\$122,000.00	\$0.00	Install Nine EV Charging Stations	\$122,000.00	No
ML18091	City of Temecula	1/19/2019	7/18/2023		\$141,000.00	\$0.00	Install Sixteen EV Charging Stations	\$141,000.00	No
ML18092	City of South Pasadena	2/1/2019	1/31/2025		\$50,000.00	\$0.00	Procure Two Light-Duty ZEVs and Install EV	\$50,000.00	No
ML18093	City of Monterey Park	2/1/2019	2/28/2026		\$25,000.00	\$0.00	Purchase Heavy-Duty Near-ZEV	\$25,000.00	No
ML18094	City of Laguna Woods	7/12/2019	12/11/2024		\$50,000.00	\$0.00	Install Two EV Charging Stations	\$50,000.00	No
ML18095	City of Gardena	11/9/2018	12/8/2024		\$25,000.00	\$0.00	Purchase Heavy-Duty Near-ZEV	\$25,000.00	No
ML18097	City of Temple City	11/29/2018	7/28/2022		\$16,000.00	\$0.00	Purchase Two Light-Duty ZEVs	\$16,000.00	No
ML18098	City of Redondo Beach	2/1/2019	3/31/2023		\$89,400.00	\$0.00	Install Six EV Charging Stations	\$89,400.00	No
ML18099	City of Laguna Hills	3/1/2019	5/31/2023		\$32,250.00	\$0.00	Install Six EV Charging Stations	\$32,250.00	No
ML18101	City of Burbank	2/1/2019	4/30/2024		\$137,310.00	\$0.00	Install Twenty EV Charging Stations	\$137,310.00	No
ML18126	City of Lomita	12/7/2018	1/6/2020		\$26,500.00	\$0.00	Install bicycle racks and lanes	\$26,500.00	No
ML18127	City of La Puente	2/1/2019	2/28/2023		\$27,800.00	\$0.00	Purchase One Light-Duty ZEV & Install One	\$27,800.00	No
ML18129	City of Yucaipa	12/14/2018	3/13/2023		\$63,097.00	\$0.00	Install Six EV Charging Stations	\$63,097.00	No
ML18130	City of Lake Forest	3/1/2019	9/30/2022	9/30/2019	\$106,480.00	\$0.00	Install Twenty-One EVSEs	\$106,480.00	No
ML18131	City of Los Angeles, Police Departm	5/3/2019	12/2/2022		\$19,294.00	\$0.00	Purchase Three Light-Duty ZEVs	\$19,294.00	No
ML18132	City of Montclair	4/5/2019	9/4/2023		\$50,000.00	\$0.00	Install Eight EVSEs	\$50,000.00	No
ML18133	City of Rancho Mirage	12/7/2018	11/6/2020		\$50,000.00	\$0.00	Traffic Signal Synchronization	\$50,000.00	No



Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18134	City of Los Angeles, Department of	5/3/2019	5/2/2028		\$290,000.00	\$0.00	Purchase Five Medium-Duty ZEVs	\$290,000.00	No
ML18136	City of Orange	4/12/2019	8/11/2024		\$42,500.00	\$0.00	Purchase Four Light-Duty ZEVs and Install	\$42,500.00	No
ML18137	City of Wildomar	3/1/2019	5/31/2021		\$50,000.00	\$0.00	Install Bicycle Trail	\$50,000.00	No
ML18138	City of La Canada Flintridge	2/8/2019	5/7/2023		\$50,000.00	\$9,499.90	Install Four EVSEs and Install Bicycle Racks	\$40,500.10	No
ML18140	City of Bell Gardens	12/14/2018	12/13/2028		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-ZEVs	\$50,000.00	No
ML18142	City of La Quinta	4/24/2019	2/23/2023		\$51,780.00	\$0.00	Install Two EV Charging Stations	\$51,780.00	No
ML18146	City of South Gate	3/1/2019	11/30/2023		\$127,400.00	\$0.00	Purchase Five Light-Duty ZEVs and Install T	\$127,400.00	No
ML18147	City of Palm Springs	1/10/2019	1/9/2024		\$60,000.00	\$0.00	Install Eighteen EV Charging Stations	\$60,000.00	No
ML18153	City of Cathedral City	5/3/2019	4/2/2025		\$52,215.00	\$0.00	Install EV Charging Infrastructure	\$52,215.00	No
ML18156	City of Covina	2/1/2019	3/31/2023		\$63,800.00	\$0.00	Purchase Four Light-Duty ZEVs and EV Cha	\$63,800.00	No
ML18157	City of Los Angeles Bureau of Street	6/21/2019	5/20/2027		\$85,000.00	\$0.00	Purchase One Medium-Duty ZEV	\$85,000.00	No
ML18160	City of Irwindale	3/29/2019	12/28/2022		\$14,263.00	\$0.00	Purchase Two Light-Duty ZEVs	\$14,263.00	No
ML18161	City of Indio	5/3/2019	10/2/2025		\$50,000.00	\$0.00	Purchase 1 Light-Duty Zero Emission, 1 Hea	\$50,000.00	No
ML18163	City of San Clemente	3/8/2019	12/7/2024		\$85,000.00	\$0.00	Purchase Three Light-Duty ZEVs and EV Ch	\$85,000.00	No
ML18165	City of Baldwin Park	2/1/2019	1/30/2024		\$49,030.00	\$0.00	Expand CNG Station	\$49,030.00	No
ML18167	City of Beverly Hills	3/29/2019	6/28/2025		\$50,000.00	\$0.00	Purchase Two Heavy-Duty Near-Zero Emiss	\$50,000.00	No
ML18168	City of Maywood	3/29/2019	11/28/2022		\$7,059.00	\$0.00	Purchase EV Charging Infrastructure	\$7,059.00	No
ML18169	City of Alhambra	6/14/2019	8/13/2024		\$111,980.00	\$0.00	Install EV Charging Infrastructure	\$111,980.00	No
ML18171	City of El Monte	3/1/2019	4/30/2025		\$119,757.00	\$0.00	Purchase One Heavy-Duty ZEVs and EV Ch	\$119,757.00	No
ML18172	City of Huntington Park	3/1/2019	2/28/2025		\$65,450.00	\$0.00	Purchase One Heavy-Duty ZEV	\$65,450.00	No
ML18173	City of Manhattan Beach	3/29/2019	2/28/2023		\$49,000.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Cha	\$49,000.00	No
ML18176	City of Coachella	3/1/2019	11/30/2024		\$58,020.00	\$0.00	Install EV Charging Stations	\$58,020.00	No
ML18177	City of San Bernardino	6/7/2019		12/6/2026	\$279,088.00	\$0.00	Purchase Medium- and Heavy-Duty Evs and	\$279,088.00	No
MS18002	Southern California Association of G	6/9/2017	11/30/2018	12/30/2019	\$2,500,000.00	\$593,455.98	Regional Active Transportation Partnership	\$1,906,544.02	No
MS18003	Geographics	2/21/2017	2/20/2021		\$62,953.00	\$54,244.86	Design, Host and Maintain MSRC Website	\$8,708.14	No
MS18005	Orange County Transportation Autho	1/5/2018	4/30/2019		\$834,222.00	\$834,222.00	Clean Fuel Bus Service to OC Fair	\$0.00	No
MS18006	Anaheim Transportation Network	10/6/2017	2/28/2020		\$219,564.00	\$9,488.22	Implement Anaheim Circulator Service	\$210,075.78	No
MS18008	Foothill Transit	1/12/2018	3/31/2019		\$100,000.00	\$99,406.61	Special Transit Service to LA County Fair	\$593.39	No
MS18009	Penske Truck Leasing Co., L.P.	8/8/2018	12/7/2020		\$82,500.00	\$0.00	Modify Maintenance Facility & Train Technici	\$82,500.00	No
MS18010	Southern California Regional Rail Au	12/28/2017	7/31/2019		\$351,186.00	\$275,490.61	Implement Special Metrolink Service to Unio	\$75,695.39	No
MS18012	City of Hermosa Beach	2/2/2018	2/1/2024		\$36,000.00	\$0.00	Construct New Limited-Access CNG Station	\$36,000.00	No
MS18014	Regents of the University of Californi	10/5/2018	12/4/2019		\$254,795.00	\$206,604.79	Planning for EV Charging Infrastructure Inve	\$48,190.21	No
MS18015	Southern California Association of G	7/13/2018	2/28/2021		\$2,000,000.00	\$0.00	Southern California Future Communities Par	\$2,000,000.00	No
MS18023	Riverside County Transportation Co	6/28/2018	6/27/2021		\$500,000.00	\$60,720.54	Weekend Freeway Service Patrols	\$439,279.46	No
MS18024	Riverside County Transportation Co	6/28/2018	8/27/2021		\$1,500,000.00	\$230,670.00	Vanpool Incentive Program	\$1,269,330.00	No
MS18025	Los Angeles County MTA	11/29/2018	5/31/2019		\$1,324,560.00	\$0.00	Special Bus and Train Service to Dodger Sta	\$1,324,560.00	No
MS18026	Omnitrans	10/5/2018	1/4/2020		\$83,000.00	\$0.00	Modify Vehicles Maintenance Facility and Tr	\$83,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS18027	City of Gardena	11/2/2018	9/1/2026		\$365,000.00	\$0.00	Install New Limited Access CNG, Modify Mai	\$365,000.00	No
MS18029	Irvine Ranch Water District	8/8/2018	10/7/2024		\$185,000.00	\$0.00	Install New Limited Access CNG Station & T	\$185,000.00	No
MS18065	San Bernardino County Transportatio	3/29/2019	8/28/2023		\$2,000,000.00	\$0.00	Implement Metrolink Line Fare Discount Pro	\$2,000,000.00	No
MS18073	Los Angeles County MTA	1/10/2019	2/9/2026		\$2,000,000.00	\$0.00	Purchase 40 Zero-Emission Transit Buses	\$2,000,000.00	No
MS18103	Orange County Transportation Autho	2/8/2019	9/7/2020		\$642,000.00	\$0.00	Install Hydrogen Detection System	\$642,000.00	No
MS18105	Southern California Regional Rail Au	1/10/2019	6/30/2019		\$252,696.00	\$0.00	Special Train Service to the Festival of Light	\$252,696.00	No
MS18106	R.F. Dickson Co., Inc.	7/19/2019	1/18/2026		\$265,000.00	\$0.00	Expansion of Existing Infrastructure/Mechani	\$265,000.00	No
MS18108	Capistrano Unified School District	2/1/2019	5/30/2025		\$116,000.00	\$0.00	Expansion of Existing Infrastructure & Train	\$116,000.00	No
MS18110	Mountain View Unified School Distric	2/1/2019	3/31/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18112	Banning Unified School District	11/29/2018	11/28/2024		\$275,000.00	\$0.00	Install New CNG Infrastructure	\$275,000.00	No
MS18115	City of Commerce	6/7/2019	12/6/2025		\$275,000.00	\$0.00	Expansion of Existing L/CNG Infrastructure	\$275,000.00	No
MS18117	City of San Bernardino	6/7/2019	11/6/2025		\$240,000.00	\$0.00	Expansion of Existing CNG Infrastructure/Me	\$240,000.00	No
MS18118	City of Beverly Hills	3/29/2019	7/28/2025		\$85,272.00	\$0.00	Expansion of Existing CNG Infrastructure	\$85,272.00	No
MS18120	City of Redondo Beach	2/1/2019	9/30/2025		\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No
MS18122	Universal Waste Systems, Inc.	2/1/2019	3/31/2025		\$200,000.00	\$0.00	Install New Limited Access CNG Infrastructur	\$200,000.00	No
MS18123	City Rent A Bin DBA Serv-Wel Dispo	12/14/2018	2/13/2025		\$200,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$200,000.00	No
MS18125	US Gain	5/9/2019	8/8/2025		\$200,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$200,000.00	No
MS18175	Regents of the University of Californi	6/7/2019	8/6/2025		\$1,000,000.00	\$0.00	Expansion of Existing Hydrogen Station	\$1,000,000.00	No

**Total: 126**

Pending Execution Contracts									
ML18068	City of Mission Viejo				\$125,690.00	\$0.00	Purchase 2 Light-Duty ZEVs, Install EVSE &	\$125,690.00	No
ML18082	City of Los Angeles Bureau of Sanita				\$900,000.00	\$0.00	Purchase Medium-Duty Vehicles and EV Ch	\$900,000.00	No
ML18084	City of South El Monte				\$30,000.00	\$0.00	EV Charging Infrastructure	\$30,000.00	No
ML18089	City of Glendora				\$50,760.00	\$0.00	Purchase a medium-duty ZEV	\$50,760.00	No
ML18096	City of Highland				\$70,210.00	\$0.00	Purchase Light-Duty ZEV and Install Three	\$70,210.00	No
ML18100	City of Brea				\$56,500.00	\$0.00	Install Thirteen EV Charging Stations	\$56,500.00	No
ML18128	City of Aliso Viejo				\$65,460.00	\$0.00	Purchase Two Light-Duty ZEVs and Install S	\$65,460.00	No
ML18135	City of Azusa				\$55,000.00	\$0.00	Purchase Three Light-Duty ZEVs and One H	\$55,000.00	No
ML18139	City of Calimesa				\$50,000.00	\$0.00	Install Bicycle Lane	\$50,000.00	No
ML18141	City of Rolling Hills Estates				\$40,000.00	\$0.00	Purchase One Light-Duty ZEV and Install T	\$40,000.00	No
ML18143	City of La Habra				\$80,700.00	\$0.00	Install Two EVSEs	\$80,700.00	No
ML18144	City of Fontana				\$269,090.00	\$0.00	Install Twelve EVSEs	\$269,090.00	No
ML18145	City of Los Angeles Dept of Transpor				\$1,400,000.00	\$0.00	Provide One Hundred Rebates to Purchaser	\$1,400,000.00	No
ML18148	City of San Dimas				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
ML18149	City of Sierra Madre				\$50,000.00	\$0.00	Implement Bike Share Program	\$50,000.00	No
ML18150	City of South El Monte				\$20,000.00	\$0.00	Implement Bike Share Program	\$20,000.00	No
ML18151	County of San Bernardino Departme				\$200,000.00	\$0.00	Purchase Eight Heavy-Duty Near Zero Emis	\$200,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18152	County of San Bernardino Flood Con				\$108,990.00	\$0.00	Purchase Five Heavy-Duty Near Zero Emissi	\$108,990.00	No
ML18154	City of Hemet				\$30,000.00	\$0.00	Purchase Two Light-Duty ZEV and EV Char	\$30,000.00	No
ML18155	City of Claremont				\$50,000.00	\$0.00	Install EV Charging Infrastructure	\$50,000.00	No
ML18158	City of Inglewood				\$146,000.00	\$0.00	Purchase 4 Light-Duty Zero Emission, 4 Me	\$146,000.00	No
ML18159	City of Rialto				\$135,980.00	\$0.00	Purchase Nine Light-Duty ZEVs and EV Cha	\$135,980.00	No
ML18162	City of Costa Mesa				\$148,210.00	\$0.00	Purchase Four Light-Duty ZEVs and EV Cha	\$148,210.00	No
ML18164	City of Pomona				\$200,140.00	\$0.00	Purchase Three Heavy-Duty ZEVs	\$200,140.00	No
ML18166	City of Placentia				\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
ML18170	City of Laguna Niguel				\$85,100.00	\$0.00	Purchase Two Light-Duty ZEVs and EV Cha	\$85,100.00	No
ML18174	City of Bell				\$25,000.00	\$0.00	Purchase One Heavy-Duty ZEV	\$25,000.00	No
ML18178	City of La Puente				\$25,000.00	\$0.00	Purchase One Heavy-Duty Near-Zero Emiss	\$25,000.00	No
MS18066	El Dorado National				\$100,000.00	\$0.00	Install New Limited-Access CNG Station	\$100,000.00	No
MS18102	Orange County Transportation Autho				\$1,146,000.00	\$0.00	Implement OC Flex Micro-Transit Pilot Proje	\$1,146,000.00	No
MS18104	Orange County Transportation Autho				\$212,000.00	\$0.00	Implement College Pass Transit Fare Subsi	\$212,000.00	No
MS18107	Huntington Beach Union High School				\$225,000.00	\$0.00	Expansion of Existing Infrastructure	\$225,000.00	No
MS18109	City of South Gate				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18114	Los Angeles County Department of P				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18116	Los Angeles County Department of P				\$175,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$175,000.00	No
MS18121	City of Montebello				\$70,408.00	\$0.00	Expansion of Existing CNG Infrastructure	\$70,408.00	No
MS18124	County Sanitation Districts of Los An				\$275,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$275,000.00	No

**Total: 37**

#### Declined/Cancelled Contracts

ML18075	City of Orange				\$25,000.00	\$0.00	One Heavy-Duty Vehicle	\$25,000.00	No
MS18013	California Energy Commission				\$3,000,000.00	\$0.00	Advise MSRC and Administer Hydrogen Infr	\$3,000,000.00	No
MS18017	City of Banning				\$225,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$225,000.00	No
MS18018	City of Norwalk	6/8/2018	9/7/2019		\$75,000.00	\$0.00	Vehicle Maintenance Facility Modifications	\$75,000.00	No
MS18111	Newport-Mesa Unified School Distric				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS18113	City of Torrance				\$100,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$100,000.00	No
MS18119	LBA Realty Company XI LP				\$100,000.00	\$0.00	Install New Limited-Access CNG Infrastructu	\$100,000.00	No

**Total: 7**

#### Closed Contracts

MS18001	Los Angeles County MTA	6/29/2017	4/30/2018		\$807,945.00	\$652,737.07	Provide Clean Fuel Transit Service to Dodge	\$155,207.93	No
MS18004	Orange County Transportation Autho	8/3/2017	4/30/2019		\$503,272.00	\$456,145.29	Provide Special Rail Service to Angel Stadiu	\$47,126.71	No
MS18011	Southern California Regional Rail Au	2/9/2018	6/30/2018		\$239,565.00	\$221,725.12	Special Train Service to Festival of Lights	\$17,839.88	Yes
MS18016	Southern California Regional Rail Au	1/10/2019	3/31/2019		\$87,764.00	\$73,140.89	Special Train Service to Auto Club Speedwa	\$14,623.11	No

**Total: 4**

#### Open/Complete Contracts

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML18021	City of Signal Hill	4/6/2018	1/5/2022		\$49,661.00	\$46,079.31	Install EV Charging Station	\$3,581.69	Yes
ML18042	City of San Fernando	6/28/2018	2/27/2024		\$10,000.00	\$10,000.00	Purchase 1 Light-Duty ZEV	\$0.00	Yes
ML18062	City of Beaumont	8/8/2018	9/7/2024		\$25,000.00	\$25,000.00	Purchase 1 Heavy-Duty Near-ZEV	\$0.00	Yes

**Total: 3**

DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt "8."423; "

CI GPFC "P Q0"43"

TGRQTV< Ecrkhqtpkc'Ck'Tguqwegu'Dqctf "O qpj n{ "O ggkpi "

U[ PQRUKJ' Vj g'Ecrkhqtpkc'Ck'Tguqwegu'Dqctf "o gv'qp'Lwn{ "47."423; 0"Vj g'hqmy kpi "  
ku'c"uwo o ct{ "qh'v'j g'o ggkpi 0'

TGEQO O GPFGF "CEVKQP <

Tgegxg"cpf 'hkg0'

Lwf kj "O kej gm "O go dgt"

Uqwj "Eqcu'CS O F "I qxgtpkpi "Dqctf "

fi "

Vj g'Ecrkhqtpkc'Ck'Tguqwegu'Dqctf "ECTD"qt"Dqctf +j grf "c"o ggkpi "qp'Lwn{ "47."423; "  
kp"Ucetco gpv"cv'v'j g'Ecrkhqtpkc'Gpxkqpo gpvcrRtqvgevkp"Ci gpe{ "J gcf s wctvgtu"  
Dwkrf kpi 0Mg{ "kgo u'r tgugpvgf "ctg"uwo o ctg gf "dgmj 0'

## **DISCUSSION ITEMS**

### **19-7-1: Public Hearing to Consider Proposed Amendments to Certification Procedures for Vapor Recovery Systems for Aboveground Storage Tanks at Gasoline Dispensing Facilities**

Vj g'Dqctf "cr r tqxgf "co gpf o gpw'v'q"v'j g'Rj cug"KKGpj cpegf "Xcr qt "Tgeqxt { "GXT+"  
tgs wktgo gpw'hqt "gzkwpkpi "cdqxi tqwpf "uqtc i g'cpm"CUV+cv'i cuqkpg'f kur gpukpi "  
hcekrklgu"FI FH0"Vj g'co gpf o gpw'emtkh{ "f ghpkkqpu"cpf "ko r tqxg"equv'ghgevkxgpgu"qh"  
v'j g'Rj cug"KKGXT"gs wkr o gpv'wr i tcf g'tgs wktgo gpw'dcugf "qp"cppwcnf cuqkpg'v'j tqw j r w"  
cv'CUV"FI FH0""

### **19-7-3: Public Meeting to Hear an Informational Update on Prescribed Burning**

Vj g'Dqctf "j gctf "cp"wr f cvg"qp"pgy "hgi kurvkp"cpf "I qxgtpqtu"Gzgewkxg"Qtf gtu"  
tgi ctf kpi "r tguetkdgf "dwtpkpi ."cpf "j qy "ECTD"ku'eqqtf kpcvki "y kj "r ctvpgt "ci gpekgu"v'q"  
c f f tguu'r tguetkdgf "hktgu"cpf "j gcnj { "hqtguu0"Ecrkhqtpkc'au'pcwten'cpf "y qtnkpi "hcpf u'ctg"  
ewtgpwn{ "pgv'i tggpj qwug'i cu'go kvgtu."dw'j cxg'v'j g'r qvvpkcn'v'q"ugs wguvgt "ectdqp"v'j j gr "  
o gg'vectdqp"pgwtcnk{ "i qcnu0"C"egpwt { "qh'hktg"uwr r tguukp."tgegpv'f tqw j v'cpf "r guv"

Rci g"4"

kphgucvqpu"eqo dkgf "y kj "y g'ghgeu"qh'enko cvg"ej cpi g."j cxg"etgcvgf"eqpf kkgpu"  
eqpf welxg"vq"rti g'wpeqptqmgf "y kf hktgu0"Uo qng"htqo "y gug'hktgu'ku'kpetgculpi n{ "  
ko rcevki "pqv'qpn{ "twtcndw'cnuq'wtdep"eqo o wpkkgu"cetquu'Ecrkhqtpkc0"Teqi pk kpi "y g"  
etkuku'kp"qwt'htguu."y g'Ngi kurwtg"cpf "I qxgtpqtu'Qhheg"j cxg"ecmgf "hqt"cm'tgrxcpv"  
mqecn"Ucvg."cpf "hgf gtcn'ci gpekgu'vq'y qtm'vqi gy gt "vq'tgf weg'y g'tkum'qh'y kf hktg"d{ "  
fqwdrkpi "y g'ucvgy kf g'tcvg"qh'htguv'tgcw gpw'y kj kp'hkxg">{ gctu."tgf welki "dcttkgtu"vq"  
htguv'j gcnj "cpf "hngn'tgf welqp'r tqlgew."kpetgculpi "y g'qr r qtwpkkgu'htq'r tguetkdgf "hktg"  
r tqlgew."cpf "f gxgnr kpi "grgevtqpk"vqnu'vq'hcekxkvg'y g'r gto wvki "qh'r tguetkdgf "hktg"  
r tqlgew0"ECTD'uchh'cpf "tgr tguwpvwxgu'htqo "y g'Ecrkhqtpkc"F gr ctwo gpv'qh'Hqgtu{ "  
cpf "Hktg'Rtqvewkp."y g'Wpkgf "Ucvgu'Hqgtu'Ugtxleg."y g'Ecrkhqtpkc"Ckt'Rqmwkqp"  
Eqptqn'Qhhegtu'Cuuqekvqp."cpf "y g'I qxgtpqtu'Hqgtu'O cpci go gpv'VcumiHqteg"  
fkuewugf "y gkt"ci gpekgu'tqngu'kp'r tqo qvki "j gcnj { "htguv'd{ "kpetgculpi "r tguetkdgf "  
dwtpki 0"  
"

## 19-7-2:" Public Meeting to Hear an Informational Update on the Status of Transitioning to Zero-Emission Vehicles"

Vj g'Dqctf "j gctf "cp"wr f cvg"qp"y g'r tqi tguu"vqy ctf "tcpukskqpkpi "vq" gtq/go kuukqp"  
xgj lengu."kpenw kpi "c'f kuewukqp"qh'r tqi tco u'y cv'f tkxg" gtq/go kuukqp"xgj leng"wr veng"cpf "  
r qvgpvkn'pgy "r qrekgu'vq'kpetgcug" gtq/go kuukqp"xgj lengu'kp"y g'hngv0"Cu'Ecrkhqtpkc"  
uwtr cuugu'gki j v'r gtegpv'qh'pgy "xgj leng"ucngu'dgkpi " gtq/go kuukqp"xgj lengu"GX+"cpf "  
r mwi /kp"j { dtkf u'vqf c{ ."gxkf gpeg'uj qy u'ucngu'y kn'pggf "vq'kpetgcug"vq'o ggV'Ecrkhqtpkcw"  
pgy guv'4267'i tggpj qwug'i cu'vcti gu."cu'y gni'cu'y g'pgy "pvcqpcn'co dkgpv'ckt's wcrkv{ "  
ucpf ctf u'kp"425: 0"Vq'kpetgcug"ucngu."Ecrkhqtpkc"y kn'pggf "vq'r tqo qvg" GXu"  
ci i tguukxgn{ "y tqwi j ."hqt"gzco r ng."utqpi gt'r cuugpi gt"xgj leng"ucpf ctf u'dg{ qpf "4247"  
cpf "pgy "hngv'tgs wktgo gpw."eqwr ngf "y kj "uwuvcpcdng."o gcplki hwn"cpf "gs wkcdng"  
kpegpvwxgu0"Gzr cpf gf "r wdike'hcu'ej cti kpi "cpf "j { f tqi gp'kphcutwewt"cpf "cr r tqr tlcvg"  
hngnr tleki "y kn'dg'pggf gf "vq"gpuwtg"eqpuwcpv'cpf "tgrkcdng'tghwgrkpi "ceegu'htq"y cv"  
i tqy kpi "o ctngv0"  
"

### Attachment

ECTD'Lwn{ "47."423; "O ggkpi "Ci gpf c"



## PUBLIC MEETING AGENDA

**Thursday,  
July 25, 2019**

**[Webcast](#)**

### LOCATION:

California Environmental Protection Agency  
California Air Resources Board  
Byron Sher Auditorium, 2nd Floor  
1001 I Street  
Sacramento, California 95814

This facility is accessible by public transit. For transit information, call (916) 321-BUSS, website:

<http://www.sacrt.com>

(This facility is accessible to persons with disabilities.)

**TO SUBMIT WRITTEN COMMENTS ON AN AGENDA  
ITEM IN ADVANCE OF THE MEETING GO TO:**

**<http://www.arb.ca.gov/lispub/comm/bclist.php>**

**Thursday  
July 25, 2019  
9:00 a.m.**

### **DISCUSSION ITEMS:**

**Note:** The following agenda items may be heard in a different order at the Board meeting.

#### **Agenda Items #**

**19-7-1: Public Hearing to Consider Proposed Amendments to Certification Procedures for Vapor Recovery Systems for Aboveground Storage Tanks at Gasoline Dispensing Facilities**

*The California Air Resources Board (CARB or Board) will hear the proposal to amend Phase II Enhanced Vapor Recovery (EVR) requirements for existing aboveground storage tanks (AST) at gasoline dispensing facilities (GDF). The amendments clarify definitions and improve cost effectiveness of the Phase II EVR equipment upgrade requirements based on annual gasoline throughput at AST GDFs. The Board will also consider adoption of the environmental analysis set forth in the Initial Statement of Reasons.*

[More Information](#)

[Staff Presentation](#)

**19-7-3: Public Meeting to Hear an Informational Update on Prescribed Burning**

*The Board will hear an update on prescribed burning, CARB's role regarding prescribed fire, new legislation and Governor's Executive Orders regarding prescribed burning, and how CARB is coordinating with partner agencies on prescribed fire. This will be a joint presentation with other state, federal, and local agencies.*

[More Information](#)

[Staff Presentation](#)

**19-7-2: Public Meeting to Hear an Informational Update on the Status of Transitioning to Zero Emission Vehicles**

*Staff will provide an update to the Board on the progress toward transitioning to zero emission vehicles, including a discussion of programs that drive zero emission vehicle uptake and potential new policies to increase zero emission vehicles in the fleet.*

[More Information](#)

[Staff Presentation](#)

**CLOSED SESSION**

The Board may hold a closed session, as authorized by Government Code section 11126(e), to confer with, and receive advice from, its legal counsel regarding the following pending or potential litigation, and as authorized by Government Code section 11126(a):

*American Fuel and Petrochemical Manufacturers, et al. v. Jane O'Keeffe, et al.*, U.S. District Court (D. Ore. Portland), Case No. 3:15-CV-00467; Plaintiffs' appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 15-35834; Plaintiffs' petitions for certiorari in United States Supreme Court, Case No. 18-881.

*California Air Resources Board v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1085.

*Mexichem Fluor, Inc. v. U.S. EPA*, (D.C. Cir. 2017) 866 F. 3d 451 (U.S. Court of Appeals, District of Columbia Circuit, Case Nos. 15-1328 and 15-1329).

*Rocky Mountain Farmers Union, et al. v. Corey*, U.S. District Court (E.D. Cal. Fresno), Case No. 1:09-CV-02234-LJO-DLB; ARB interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 12-15131.

*American Fuels and Petrochemical Manufacturers, et al. v. Corey, et al.*, U.S. District Court (E.D. Cal. Fresno), Case No. 1:10-CV-00163-AWI-GSA; ARB's interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 10-CV-00163. ; Plaintiffs' petitions for certiorari in United States Supreme Court, Case No. 13-1149.

*Sowinski v. California Air Resources Board, et al.*, United States District Court for the Central District of California, No. 8:15-cv-02123.

*State of California, et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1114.

*State of California, et al., v. United States Environmental Protection Agency* (United States District Court, Northern District of California, Case No. 4:18-cv-03237)

*State of California, et al. v. Ryan Zinke, et al.*, United States District Court, Northern District of California, Case No. 3:18-cv-5712-DMR

*State of New York, et al. v. United States Environmental Protection Agency*, U.S. District Court, District of Columbia, Case No. 1:18-cv-00773.

*State of California, et al. v. United States Environmental Protection Agency et al.*, U.S. District Court, Northern District of California, Oakland Division, Case No. 4:17-cv-6936-HSG.

*State of North Dakota, et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1242.



*State of North Dakota v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1381.

*State of West Virginia et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1363.

*State of Wyoming, et al. v. United States Department of the Interior, et al.*, U.S. District Court, District of Wyoming, Case No. 16-CV-285-SWS.

*Truck Trailer Manufacturers Association, Inc. v. United States Environmental Protection Agency, et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1430.

*Alliance for California Business v. California State Transportation Agency, et al.*, Sacramento County Superior Court, Case No. 34-2016-80002491.

*American Coatings Association, Inc. v. State of California and California Air Resources Board*, Sacramento County Superior Court, Case No. 04CS01707.

*Dalton Trucking, Inc. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 13-1283 (dismissed), U.S. Court of Appeals, Ninth Circuit, Case No. 13-74019.

*John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al.*, Fresno County Superior Court, Case No. 14-CECG01494; ARB's appeal, Court of Appeal, Fifth District, Case No. F074003.

*Murray Energy Corporation v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1385.

*Valero Refining Co. California v. Hearing Board of the Bay Area Air Quality Management District et al.*, Court of Appeal, First Appellate District, Case No. A151004.

*Air Resources Board v. Key Disposal, Inc. and John Katangian*, Los Angeles Superior Court, Case No. BC650014.

*People v. Southern California Gas Company*, Los Angeles Superior Court, Case No. BC 602973.

*Air Resources Board v. Fiat Chrysler Automobiles N.V. and FCA US LLC*, U.S. District Court, Northern District of California, Case No. 3:17-md-02777-EMC, 3:17-cv-3446-EMC, 3:19-cv-00151-EMC.

*People v. Walgreens Co.*, Sacramento County, Case No. 34-2018-00244759.

*In re Pacific Gas and Electric Company*, U.S. Bankruptcy Court, Northern District of California, Case No. 19-30089.

*California Air Resources Board vs. Cascade Sierra*, Sacramento Superior Court, Case No. 34-2017-00223510.

*Friends of Oceano Dunes, Inc. v. California Coastal Commission, et al.*, San Luis Obispo County Superior Court, Case No. 17CV-0576; U.S. District Court for the Central District of California, Case No. 2:17-cv-8733.

*John Mahan v. California Air Resources Board*, Sacramento County Superior Court, Case No. 34-2016-80002416.

*The Two Hundred, et al. v. California Air Resources Board, et al., Fresno County Superior Court, Case No. 18CECG01494.*

### **OPPORTUNITY FOR MEMBERS OF THE BOARD TO COMMENT ON MATTERS OF INTEREST**

*Board members may identify matters they would like to have noticed for consideration at future meetings and comment on topics of interest; no formal action on these topics will be taken without further notice.*

### **OPEN SESSION TO PROVIDE AN OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD ON SUBJECT MATTERS WITHIN THE JURISDICTION OF THE BOARD**

*Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board's jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.*

### **TO ELECTRONICALLY SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO:**

<https://www.arb.ca.gov/lispub/comm/bclist.php>

(Note: not all agenda items are available for electronic submittals of written comments.)

**PLEASE NOTE:** No outside memory sticks or other external devices may be used at any time with the Board audio/visual system or any CARB computers. Therefore, PowerPoint presentations to be displayed at the Board meeting must be electronically submitted via email to the Clerk of the Board at [cotb@arb.ca.gov](mailto:cotb@arb.ca.gov) no later than noon on the business day prior to the scheduled Board meeting.

### **IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT THE CLERK OF THE BOARD:**

**1001 I Street, 23<sup>rd</sup> Floor, Sacramento, California 95814**

**(916) 322-5594**

**CARB Homepage: [www.arb.ca.gov](http://www.arb.ca.gov)**

### **SPECIAL ACCOMMODATION REQUEST**

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the hearing;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact the Clerk of the Board at (916) 322-5594 or by facsimile at (916) 322-3928 as soon as possible, but no later than 7 business days before the scheduled Board hearing. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Consecuente con la sección 7296.2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia
- Documentos disponibles en un formato alterno u otro idioma
- Una acomodación razonable relacionados con una incapacidad

Para solicitar estas comodidades especiales o necesidades de otro idioma, por favor llame a la oficina del Consejo al (916) 322-5594 o envíe un fax a (916) 322-3928 lo más pronto posible, pero no menos de 7 días de trabajo antes del día programado para la audiencia del Consejo. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.

**SMOKING IS NOT PERMITTED AT MEETINGS OF THE CALIFORNIA AIR RESOURCES BOARD**

DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC"P Q0"44"

RTQRQUCN<"

Tgeqo o gpf "Eqo o wpkkgu'hqt"l gct'4"ko r ngo gpvcvqp'hqt"  
Cuugo dn{ "Dkm'839"

U PQRUK<"

Cuugo dn{ "Dkm\*CD+'839'tgs wktgu'ECTD."kp'eqpuwncvqp'y kj "ckt"  
f kntleu."vq'ugrgev'eqo o wpkkgu'hqt'eqo o wpkv{ "ckt"o qpkqtkpi "  
cpf lqt'yj g'r tgr ctcvqp"qh'eqo o wpkv{ "go kuukpu'tgf wevqp"  
r tqi tco u0CD'839"ur gekkgu'y cv'y g'j ki j guv'r tkqtkv{ "ctgcu'uj cm'dg"  
f kucf xcpvc gf "eqo o wpkkgu'y kj "c'j ki j "ewo wrcvkg"gzr quwtg"  
dwtf gp'hqt"etkgtlc'r qmwcpvu'cpf lqt'vqzle"ckt"eqpvc kpcpvu0Uchh"  
dwkn'qp'yj g'vgej plecni'gxcnvcvqp'cpf 'r wdike'r tqeguu'htqo "yj g'r tkqt"  
{ gct."cpf "j cu'eqpf wevgf "cf f kkpqpcnr wdike"qwtgcej "cpf "i cvj gtgf "  
eqo o wpkv{ "kpr w'vq"j grr 'r tkqtkk g'vy q'eqo o wpkkgu'hqt"l gct'4"qh"  
yj ku'r tqi tco 0Vj g'htuv'r tqr qugf "eqo o wpkv{ "ku'yj g'Uqwj "Gcu'Nqu"  
Cpi grgu'eqo o wpkv{ "qh'Uqwj "I cvg."Hqtgpeg/Hktguvpgg\*gcuvgtp"  
r qtvcqp+."Y cipw'Rctm"J wpkpi vqp'Rctm'y guvgtp'r qtvcqp+."Ewf cj {."  
Dgm'I ctf gpu"\*uqwj gtp'r qtvcqp+0Vj g'ugeqpf "r tqr qugf "eqo o wpkv{ "  
ku'yj g'Gcuvgtp'Eqcej gmr "Xcmg{ "eqo o wpkv{ "qh'kpf kq."Eqcej gmr."  
Vj gto cn'Qcuku."O geec."P qt vj "Uj qtg0Vj ku'cevqp"uggmi'cr r tqxcn'vq"  
uwo k'tgeqo o gpf cvkqu'vq'ECTD'hqt'yj gk'eqpukf gtcvqp"kp"  
ugrgevpi "eqo o wpkkgu'hqt'yj g'ugeqpf/{ gct'ko r ngo gpvcvqp"qh"  
CD'8390'

EQO O KVVGG<"

Tgxkgy gf."Ucvkqpct{ "Uqwteg."Lwn{ "48."423; "

TGEQO O GPFGF "CEVKQP U<"

Crrtqxg'tgeqo o gpf cvkqu'hqt'yj g'ugrgevqp"qh"l gct'4"eqo o wpkkgu'hqt"CD'839"  
eqo o wpkv{ "r np'ko r ngo gpvcvqp'cpf "uwo kvcn'qh'yj g'cee r cp{ lpi "tgr qtv'vq'ECTD0'

Y c{pg"P cwtk"

Gzgewkxg"Qhhegt"

## Background

Ecrhqtplc"ncy "npqy p"cu"Cuugo dn{ "Dkn"CD+839"hqewagu"qp"cf f t gukpi "hqcni'ckt"  
r qmwkqp"kp"gp xktqpo gpwcnl'wuleg"eqo o wpkkgu"CD"839'tgs vkt gu'ECTD"vq"ugrgev"  
eqo o wpkkgu"qp"cp"cppwcnl'dcuku"vq"dg"lpenw gf "kp"y j g'r tqi tco "hqt"y j g'f gxgrqr o gpv'qh"  
eqo o wpk{ "go kuukapu'tgf wevqp'r ncpu"cpf "ckt'o qpkqtkpi "r ncpu"oeqo o wpk{ "r ncpu+0'  
Ck"f kntlew'uwd o k'cppwcnl'tgeqo o gpf cvkqpu"vq'ECTD'hqt"eqpukf gtcvqp0kp"423: "  
\*ö[ gct"3ö+."Uqw j 'Eqcu'CS O F"uvch'uwd o kwgf "c'tgr qtv'vq'ECTD'y kj "c"  
eqo r t g j gpukxg'f guetkr vqp"qh"Uqw j 'Eqcu'CS O F æ'r wdrke'r tqeguu"cpf "gej plecn"  
o gj qf qm j { "vq"kf gpwkh{ "cpf "cuuguu"eqo o wpkkgu'hqt"y j g'CD"839'r tqi tco ."cpf "  
tgeqo o gpf cvkqpu'hqt"l gct"3"eqo o wpkkgu0Vj g'Dqctf "cr r tqxgf "tgeqo o gpf kpi "hqw"  
eqo o wpkkgu"vq"i gxgrqr "cpf "ko r ngo gpveqo o wpk{ "go kuukapu'tgf wevqp'r ncpu"cpf "ckt"  
o qpkqtkpi "r ncpu'hqt"l gct"3"\*ugg"423: "tgr qtv'vq'ECTD'hqt"o qtg'kphqto cvkqp<sup>3</sup>+."qh'y j kej "  
y j tgg'y gtg'f guki pcwgf "cpf "cr r tqxgf "d{ 'ECTD'kp"Ugr vgo dgt"423: 0"

## Summary of Public Process

## Outreach

Rwdnke "kpr w'y cu'c"ng{\ "gngo gpv'kp'kf gpvk{\ kpi 'y' g'o quv'j gcxkn{\ "dwtf gpgf "eqo o wpkkgu"  
y kj kp "Uqwj "Eqcu'CS O F \u'lwtkuf kkvqp0Dgy ggp' Hgdtwct {\ "cpf "Cwi wuv'423; . "uchh"  
j grf "ukz"gxgpkpi "eqo o wpk{\ "qwtgcej "o ggkpi u'kp "P qt vj "Uj qtg\*"Ucnqp "Ugc+. "Dwpgc"  
Rctm "Eqnqp. "J wpvkpi vqp "Rctm "Lwtw c "Xcng {\ "cpf "Uqwj "I cvg0Cff kkvapcn' l gct "4"  
ugrgevkvq "qwtgcej "y cu'eqpf wvgf "f wtkpi "eqo o wpk{\ "o ggkpi u'j quvgf "d {\ "eqo o wpk{\ "  
qti cpk ckvapu. "uej qqrnf kmtkew. "cpf "qy gt "qti cpk ckvapu "Uchh' h'qto "qh'hegu'qh'gngvgf "  
qh'hekn. "i qxgtpo gpv'ci gpekgu. "tgukf gpw. "dwukpguugu"cpf "qy gt "ucngj qrf gtu'cwvgf gf "  
y gug'o ggkpi u0 "Uqwj "Eqcu'CS O F "uchh' f kweuugf "y' g' gngo gpw'qh' y' g'CD'839"  
rtqi tco . "y' g'Eqo o wpk{\ "Uggtkpi "Eqo o kwggu. "cpf "y' g'eqo o wpk{\ "ugrgevkvq' r tqegu"  
cpf "ko gnp0Eqo o wpk{\ "ugn' tgeqo o gpf ckvq "h'qto u'y gtg'o cf g'cxkncdng' dgi kppkpi "kp"  
Hgdtwct {\ "423; 0""

## Summary of Community Input

C"vqcnlqh"99"eqo o wpxl "ugrh/pqo kpcwqpu'y gtg'tgegxgf "htqo "Uqwj "Nqu"Cpi grgu." Uqwj "EgpxcnlNqu"Cpi grgu."O c { y qqf . "J wpxpi vqp "Rctm"Xgtpqp."Dgm"DgmI ctf gpu." N{py qqf ."Y cwu."Ewf c j { ."I ctf gpc."GnEco kpx"Xkmi g"Uqwj "I cvg."J wpxpi vqp "Rctm" Y cnpw'Rctm"HqtgpegIHkt guxpggIHqtgpeg"( "I tcj co ."Rctco qwpv."Vqttcepg."J kxqtkc" Y guv/Cf co u"cpf "Y guv'RctmVgttceg"lp"Nqu"Cpi grgu"Eqwpv{="Hwngt vqp."Dwgpc'Rctm"cpf " Cpcj glo "lp"Qtcpj g"Eqwpv{="Lxwrc"Xcng{ ."Kpf kq."Eqcej gmc."Vj gto cn"Qcuku."O geec." Pqtj "Uj qtg"cpf "Ej ktceq"Uwo o k/lp"Txgtuf g"Eqwpv{ "cpf "Eqnqp"lp"Ucp"Dgtptcf kpx" Eqwpv{OKp"y g'ugrh/tgeqo o gpf cvqp"htqo u."eqo o wpxl "o go dgtu'r tqxkf gf "lphqto cvqp" cdqw'y gk"eqo o wpxl ."kpmf kpi "y g'ej ctcevgtku"ku'y cv'o cng"y gk"eqo o wpxl "c"i qqf " ecpf kf cvg"ht"y g'r tqi tco " \*gI 0"gpi ci gf "eqo o wpxl "qti cpl cvqpu."gzz gtkepeg"y kj "

3Uqwj "Eqcu/CS O F ö.423: 00Eqo o wpl{ "Tgeqo o gpf cwqpuhtq "CD'839"K r ngo gpwvqp. "Hpcn/Uwdo kwcnhtqo "  
Uqwj "Eqcu/CS O F ö.423: 0Cxckrdrng'cw" [j wr dly y Qs o f Q qx lf qeulf ghvwn/uqwegcd/839/cd/  
356lwdo kwcn/q/ectd0 fh"](#)

f g x g m r k p i " c p f " k o r r g o g p v k p i " e q o o w p k v { " r n c p u . " g v e 0 0 U q o g ' e q o o w p k v { " u g r h /  
t g e q o o g p f c v k p u ' y g t g ' e q o r t g j g p u k x g " c p f " r t q x k f g f " c " y j q t q w i j " f g u e t k r v k p " q h ' y j g "  
e q o o w p k v { o u ' c k ' s w e r k v { " r t k q t k k g u " c p f " j k i j r k i j v g f " g z c o r r g u " q h ' e q o o w p k v { " t g c f k p g u u 0 "

## Proposal

### Recommendations

D c u g f " q p " y j g ' r t k q t k k k c v k p p ' r t q e g u u h t q o " l g c t " 3 " \* 4 2 3 : + " c p f " c f f k k q p c n ' e q o o w p k v { " k p r w w "  
c p f " t g e q o o g p f c v k p u ' t g e g k x g f . " u c h h ' t g e q o o g p f u ' y q ' e q o o w p k k g u ' v q ' d g ' e q p u k f g t g f " "  
h q t " l g c t " 4 " k o r r g o g p v c v k p p " q h ' c ' e q o o w p k v { " g o k u k q p u ' t g f w e v k p p ' r n c p " c p f " c " e q o o w p k v { "  
c k ' o q p k q t k p i " r n c p 0 V j g ' h k u v ' e q o o w p k v { " t g e q o o g p f g f " h q t " l g c t " 4 " k o r r g o g p v c v k p p "  
k p e n m f g u " U q w j " l c v g . " H q t g p e g / H k t g u v q p g " \* g c u v g t p ' r q t v k p p + " Y c i p w w ' R c t m ' J w p v k p i v q p "  
R c t m ' \* y g u v g t p ' r q t v k p p + " E w f c j { . " D g m l I c t f g p u " \* u q w j g t p ' r q t v k p p + 0 V j g ' u g e q p f " "  
e q o o w p k v { " h q t " l g c t " 4 " k o r r g o g p v c v k p p " k u ' k p " G c u v g t p ' E q c e j g m c " X c m g { " c p f " k p e n m f g u "  
k p f k q . " E q c e j g m c . " V j g t o c n " Q c u k u . " O g e e c . " P q t y j " U j q t g 0 "

**First Community Recommendation: South East Los Angeles community of South Gate, Florence-Firestone (eastern portion), Walnut Park, Huntington Park (western portion), Cudahy, Bell Gardens (southern portion):** k p " 4 2 3 : . " y j g ' D q c t f " "

c r r t q x g f " y j g ' e q o o w p k v { " q h " U q w j " l c v g . " H q t g p e g / H k t g u v q p g . " Y c i p w w ' R c t m ' c p f " "  
J w p v k p i v q p ' R c t m ' c u ' c ' t g e q o o g p f c v k p p " v q ' E C T D ' h q t " c " l g c t " 3 " e q o o w p k v { 0 J q y g x g t . " y j k u "  
e q o o w p k v { " y c u ' p q v f g u k i p c v g f " d { " E C T D ' k p " 4 2 3 : . " f w g " v q " n k o k g f " t g u q w e g u " c x c k r c d r g " h q t "  
k o r r g o g p v c v k p p 0 V j g ' w r f c v g f " t g e q o o g p f c v k p p " k p e n m f g u ' y j g ' w p k p e q t r q t c v g f " N q u ' C p i g r g u "  
E q w p v { " p g k i j d q t j q q f u " q h " H q t g p e g / H k t g u v q p g " \* g c u v g t p ' r q t v k p p + " c p f " Y c i p w w ' R c t m ' c u ' y g m l "  
c u ' y j g ' e k v { " q h " U q w j " l c v g . " y j g ' y g u v g t p ' r q t v k p p " q h " J w p v k p i v q p ' R c t m ' y j g " u q w j g t p ' r q t v k p p "  
q h " D g m l I c t f g p u . " c p f " c m ' q h " E w f c j { 0 V j k u " U q w j " G c u v ' N q u ' C p i g r g u ' e q o o w p k v { " k p e n m f g u "  
r c t v ' q h ' y j g ' C m o g f c " E q t t k f q t . " c p " k p f w u t k e n ' c t g c " y k j " c " e c t i q ' t c k n l k p g " y j c v n k p m u ' y j g ' r q t w u "  
c t g c " v q " y j g ' t c k n l k p g u " p g c t " f q y p v q y p " N q u ' C p i g r g u 0 k p " c f f k k q p " y j g t g " c t g " u g x g t e n l k p f w u t k e n "  
c t g c u ' k p " y j g ' g c u v g t p ' r q t v k p p " q h ' y j g ' e q o o w p k v { " c u ' y g m l c u ' y j g ' 9 3 2 " h t g g y c { . " c " j g c x k n { " "  
v t c h h l e m g f " t w e m l t q w g 0 V j k u ' e q o o w p k v { " j c u " x g t { " j k i j " u e q t g u " h q t " d q j " O C V G U " K X " c p f " "  
E c n G p x k t q U e t g g p " 5 0 . " k p f k e c v k p i " y j c v ' y j k u ' c t g c " j c u ' c " j k i j " c k t " v q z k e u " d w t f g p . " c u ' y g m l c u "  
k o r c e w u h t q o " q v j g t " g p x k t q p o g p v c n r q m w k p p . " r w d r k e " j g c n j " d w t f g p u . " c p f " u q e k e n ' c p f " "  
g e q p q o k e " f k u c f x c p v c i g u 0 "

V j g t g " j c x g " d g g p " u q o g ' o k p q t " c f l w u v o g p u " v q " y j g ' r t q r q u g f " e q o o w p k v { " d q w p f c t { " t g r c v k x g " "  
v q " y j g " l g c t " 3 " t g e q o o g p f c v k p p " v q " j g r r " h q e w u " q w t g c e j " c p f " c e v k p p u . " d c u g f " q p " y j g "  
r t g r k o k p c t { " e q o o w p k v { " d q w p f c t { 0 V j g " g c u v g t p " r c t v ' q h " U q w j " l c v g " u j c t g u " c k t " r q m w k p p "  
u q w t e g u " y k j " D g m l I c t f g p u " c p f " E w f c j { . " u w e j " c u " y j g ' 9 3 2 " h t g g y c { " e q t t k f q t . " y j k e j " k u " y j g "  
d c u k u " q h " y j k u " i t q w r k p i 0 "

U q w j " E q c u v ' C S O F " u c h h " j c x g " g u w c d n k u j g f " u t q p i " y q t n k p i " t g r c v k p u j k r u " y k j " c i g p e k g u "  
c p f " q t i c p k c v k p u " y j c v ' u g t x g " y j k u ' e q o o w p k v { . " y j k e j " f g o q p u t c v g u " y j g ' e q o o w p k v { o u "  
t g c f k p g u u " h q t " y j g " C D " 8 3 9 " r t q i t c o 0 D g i k p p k p i " k p " 4 2 3 9 . " U q w j " E q c u v ' C S O F " u c h h "  
e q m e d q t c v g f " y k j " y j g " N q u ' C p i g r g u " \* N C + " E q w p v { " F g r c t v o g p v ' q h " R w d r k e " J g c n j " c p f " y j g "  
N q u ' C p i g r g u " E q w p v { " F g r c t v o g p v ' q h " T g i k q p c n ' R i c p p k p i " k p " y j g " E q o o w p k v { " T k u m l "

Tgf wevkqp "Kpklcvxg"cpf "vj g"Kpf wutkenWugVcumHqteg."dqvj "kp"vj g"Hqtgpeg/Hkt guvqpg"  
ctgc0Cu'r ctv'qh'vj ku'ghhqv."uchh'r ctvek cvgf "kp"eqo o wpkv{ "o ggkpi u."lqkv'kpur gevqpp"  
ghhqv."cpf "qvj gt"eqmcdqtcvxg"ghhqv'u'y kj "vj g"Eqwv{0Tgr tgugpvcxgu'htqo "vj gug'NC"  
Eqwv{ "f gr ctwo gpw"ctg"ewttgpw{ "ugt xkpi "qp"vj g"CD'839"Eqo o wpkv{ "Uvggtkpi "  
Eqo o kvvgu'htq "y q"l gct "3"eqo o wpkv{kp"NC"Eqwv{."cpf "j cxg'dggp"gpi ci gf "  
vj tqwi j qw'vj ku'r tqegu0Tgr tgugpvcxgu'htqo "vj g"Eqwpeki'qh'O gzkecp'Hgf gtcvkpu"  
\*EQHGO +j cxg"cmq"dgpp"cev{xg'r ctvek cpw"qp"vj g"CD'839"Eqo o wpkv{ "Uvggtkpi "  
Eqo o kvvg."cpf "cmq"gzr tgugf "vj gk"uwr r qtv'htq"dtkpi kpi "vj g"CD'839"r tqi tco "vq"vj g"  
Uqwj "Gcu'Nqu'Cpi grgu"eqo o wpkv{ "tgeqo o gpf gf "htq"l gct "40"  
"

Vj tqwi j "ugrh/tgeqo o gpf cvkqp"htqo u."cf f kkpnci'phqto cvkqp"y cu'r tqxkf gf "vq"  
f go qputcvg"eqo o wpkv{ "tgcflpgu'htq"vj ku'r tqi tco 0Vj ku'kpenmf gu"eqo o wpkv{ /rgf "  
ghhqv"vq"cf f tguu'ck"r qmwkqp"cpf "tgrvgf "gpxktqpo gpvci'kuwgu0Vj g"Uqwj "I cvg"  
Eqo o wpkv{ "Gpxktqpo gpvci'J gcmj "Cevkqp"Vgco "EGJ CV+y qtmv'vq"gpi ci g"cpf "gf wecvg"  
vj g"mecn'eqo o wpkv{ "cpf "kf gpvh{ "cpf "cf f tguu'gpxktqpo gpvci'J gcmj "kuwgu0EGJ CV"j cu"  
j gr gf "qti cpl g"gf wecvkqpci'y qtmij qr u"qp"Kpf qqt"cpf "qwf qqt"ck"s wcrkv{."cti gvgf "ng{ "  
mecn'kpu'htq"öP q"K rpi ö"eco r cki pu."cpf "ko r ngo gpvgf "vj g"WLOGRC"Hci "Rtqi tco "cv"  
vj tgg'mecn'uej qqu0Hwvj gto qtg."EGJ CV"eqmcdqtcvgf "y kj "Uqwj "Eqcu'CS O F"qp"vj g"  
WLOGRC"UVCT"l tcpv'vq"f kmtkdwg"4; "mty "equv'ck"s wcrkv{ "o qpkqtu'vq"t gukf gpw'vq"  
uj qy "tgcv'ko g"ck"r qmwkqp"f cv0Kp"Cr tki'423; ."EGJ CV"y cu'cy ctf gf "i tcpv'hwpf kpi "  
htqo "vj g"Wpkxgtukv{ "qh'Ecrkhtpck."Nqu'Cpi grgu'Mckugt'Rgto cpgpv'Egpvg'htq"J gcmj "  
Gs wkv{ "htq"vj g"Uqwj "I cvg"ck"S wcrkv{ "Eqo o wpkv{ "O qpkqtkpi "Rtqlgev."y j kej "y km"  
gpi ci g"eqo o wpkv{ "o go dgtu'vj tqwi j "cf f kkpnci'ck"r qmwkqp"ugpuqt"r tqlgew0Kp"  
cf f kkp."vj g"Nqu'Cpi grgu"Eqwv{ "F gr ctwo gpv'qh'Tgi kqpci'Rncppkpi "j cu'dggp"y qtnkpi "  
y kj "vj g"Hqtgpeg/Hkt guvqpg"eqo o wpkv{ "kp"i gxgr kpi "vj gk"l tggp" qpgu'qtf kpcpeg"vq"  
cf f tguu'rcpf "wug"ko r cev'kp"gpxktqpo gpvci'lwuleg"ctgcu'cpf "ku'f gxgr kpi "c"Eqo o wpkv{ "  
Rncp'htq"Hqtgpeg/Hkt guvqpg0Vj g"Eqo o wpkv{ "Rncp'ku'c'r qike{ "f qewo gpv'vj cv'r tqxkf gu"  
i qcu'vq"i wkv'rcpf "wug"f gekukpu'cpf "kpenmf gu"vj go gu'vj cv'ctg"eqpi twgpv'y kj "CD'839"  
uwej "cu'gpxktqpo gpvci'lwuleg."hwpf kpi ."cpf "i tcpw0"  
"

Tgeqo o gpf cvkpu'tgegkxgf "kp"423; "htq"vj ku'eqo o wpkv{ "kpenmf gf "pqo kpcvkpu'htqo "vj g"  
Ecrkhtpck"F gr ctwo gpv'qh'Rwdrk"J gcmj ."o go dgtu'qh'EGJ CV."o go dgtu'qh'Rj {ulekpu"  
htq"Uqekci'Tgur qpukdkv{ "ö"Nqu'Cpi grgu."o go dgtu'qh'EQHGO."cpf "o go dgtu'qh"  
Eqo o wpkv{ku'htq"c"Dgwgt"Gpxktqpo gpv'\*EDG+0"  
"

## Second Community Recommendation: Eastern Coachella Valley community of Indio, Coachella, Thermal, Oasis, Mecca, North Shore: "

Vj g"Gcuvgtp"Eqcej gmc"Xcng{ "ku'c'twtcn'eqo o wpkv{ "vj cv'utgvej gu'htqo "vj g"Ekv{ "qh'Kpf kq"  
vq"vj g"Ucnqp"Ugc."cpf "ku'mecvgf "kp"vj g"Ucnqp"Ugc"ck"Dculp"y kj kp"Tkxgtukf g"Eqwv{0'  
Vj gtg'ctg"o wnkrg'uwtegu'qh'r qmwkqp"kp"vj g'tgi kq"vj cv'ctg"cuqekcvgf "y kj "ci tlewnwtcn'  
cev{xkku."i qqf u"o qxgo gpv'uo g"Kpf wutken'hcekklku'cpf "j c| ctf qwu'y cug'hcekklku0'  
Kpenmf kpi "vj g"Gcuvgtp"Eqcej gmc"Xcng{ "kp"vj g"CD'839"r tqi tco "y qwf "dg"cp"qr r qtwpkv{ "  
vq"i gxgr "c"Uqwj "Eqcu'CS O F"o qf grlhtq"ko r tqxkpi "ck"s wcrkv{ "kp"c'twtcn"  
wvf gtugt xgf "eqo o wpkv{0"

Uqwj 'EqcuVCS O F 'uchh'j c'xg'eqmdqtcvgf 'y kj 'qti cplk'cvkpu'j cv'ugtxg'j ku'  
eqo o wplv{.'cpf 'j g'gtg'j c'xg'dggp'ugxgtcn'eqo o wplv{/rgf 'ghqtu'lp'j g'Gcvgtp'Eqcej gmc'  
Xcng{'v'cf f tgu'ck'r qmwkqp'cpf 'tgrv'g'gpxtkqpo gpvcn'kuwgu'lp'j g'tgi kqp0k'  
Hgdwtc{'423:.'j g'Gcvgtp'Eqcej gmc'Xcng{'y cu'cy ctf gf 'c'r rppkpi 'i tcpv'q'tgf weg'  
i tggpj qwug'i cugu'cpf 'g'zr cpl'chh'qtf cdng'j qwukpi 'qr vkpu'j tqwi j 'j g'Gcvgtp'Eqcej gmc'  
Xcng{'Cevkqp'Rrcp'hqt'Eno cvg'Tgukkgpeg0Ukeg'4238.'Uqwj 'EqcuVCS O F 'uchh'j c'xg'  
dggp'eqmdqtcvki 'y kj 'Eqo k'Ekkeq'F gn'Xcng'\*EEX+.'c'eqo o wplv{'dcugf "  
qti cplk'cvkqp.'qp'gf wecvki 'j g'Gcvgtp'Eqcej gmc'Xcng{'eqo o wplv{'qp'j g'wug'cpf "  
cr r n'ecv'kpu'qh'Rwtr ngCk'tugpuqtu.'j tqwi j 'c'WU0GRC'UVCT'I tcpv0'  
"

Cpqj gt'ej ctcevgtku'j cv'o cmgu'j ku'eqo o wplv{'wpls wg'ku'j cv'k'ku'j ki j n{'ko r cevgf 'd{'  
j g'f genkpi 'Ucnqp'Ugc'ngxgn0Uqwj 'EqcuVCS O F 'uchh'eqv'kpwg'q'r m{'c'r ctv'lp'  
cf f tgu'kpi 'j ku'kuwg.'d{'d'gkpi 'npi /ko g'r ctv'ekr cpw'lp'j g'Ucnqp'Ugc'O cpci go gpv'  
eqo o kwggu.'ewtgpv{'j gcf gf 'd{'j g'Ecirkh'qtpk'P cwatcn'Tguqtegu'Ci gpe{0Uchh'  
ewtgpv{'ugtxg'qp'j g'Uekgpeg'cpf 'Ck'S wcrk'Eqo o kwggu'q'r tqxkf g'kpr w'qp'j g'  
Ucnqp'Ugc'32/{gct'r rcp0k'cf f k'kqp.'uchh'tgi wcrn{'r ctv'ekr cvg'lp'j g'Eqcej gmc'Xcng{'  
Gpxtkqpo gpvcn'Lwukg'Vcun'Hqteg'o ggvki u0'  
"

Vj tqwi j 'ugrh'tgeqo o gpf cvkqp'hqto u.'cf f k'kqpcn'lp'hqto cvkqp'y cu'r tqxkf gf 'q'  
f go qpuctvg'eqo o wplv{'t'gcf kpgu'hqt'j ku'r tqi tco 0Vj ku'kpen'f gu'eqo o wplv{/rgf "  
ghqtu'v'cf f tgu'ck'r qmwkqp'cpf 'tgrv'g'gpxtkqpo gpvcn'kuwgu0k'423;.'j g'EEX"  
eqmdqtcvgf 'y kj 'Rtqo qvqtgu'Eqo wpkctkqu'f gn'F gukg'vq.'c'eqo o wplv{'j gcmj "  
qti cplk'cvkqp.'cpf 'Nc'Wpkqp'J ceg'Nc'Hwgt| c \*Nc'Wpkqp+.'cp'gpxtkqpo gpvcn'cpf "  
hcto y qtngt'lwukg'qti cplk'cvkqp.'lp'j g'Eqcej gmc'Xcng{.'v'guvcdkuj 'j g'k'gpvkh{ kpi "  
Xkqr'v'kpu'chh'ge'kpi 'P gli j dqtj qqf u'\*KCP +Eqcej gmc'pgwy qtn0Vj g'KCP 'pgwy qtn'  
j cu'dggp'uweegu'hw'lp'ugew'kpi '&39'o k'kqp'lp'kpxguo gpw'lp'r tqlgew'dgpghk'kpi "  
gpxtkqpo gpvcn'lwukg'eqo o wplv'ku'j tqwi j qw'j g'Eqcej gmc'Xcng{0Vj g'Eqcej gmc'  
Xcng{'j cu'cu'q'dggp'cy ctf gf '&72'o k'kqp'lp'CD'353: 'o k'ki cvkqp'hw'f kpi 'ko r ngo gpv'f "  
j tqwi j 'j g'Uqwj 'EqcuVCS O F 0EEX'cu'q'eqmdqtcvgf 'y kj 'r tkx'cv'g'pvytr tkugu'q'  
cuwtg'j cv'r tqlgew'y gtg'hw'{'f gxgnr gf 'cpf 'j cv'kpxguo gpw'dgpghk'gf 'j g'Gcvgtp'  
Eqcej gmc'Xcng{0'  
"

Vj gug'r tqi tco u'f go qpuctvg'j g'eqo o wplv{'cu'cdk'k'v'q'r ctv'pgt'y kj 'nqecn'tgi kqpcn'cpf "  
ucv'g'ci gpek'gu'q'ngxgtci g'j g'tguqtegu'pgeguuct{'v'q'cf xcpeg'gpxtkqpo gpvcn'r wdrke"  
j gcmj .'.cpf 'geqpqo k'qr r qtwpkv{'lp'j g'tgi kqp.'y j lej 'ku'pgeguuct{'hqt'uweegu'hw'  
ko r ngo gpvc'kqp'qh'CD'839'eqo o wplv{'r rcpu0'  
"

Tgeqo o gpf cvkqp'u'tgegk'xgf 'lp'423; 'hqt'j ku'eqo o wplv{'kpen'f gf 'pqo kpcv'kpu'hqto 'j g'  
hqmqy kpi 'y q'i tqw'u'qh'qti cplk'cvkpu'<

30 Qh'leg'qh'Cuugo dn{o go dgt'Gf wctf q'I ctekc'au.'Qh'leg'qh'Hqwtj 'F k'utlev'  
Uwr gtxkuqt'X00 cpwgn'Rgtg|. 'Qh'leg'qh'Ugpcvt'lg'h'Uqpg.'Egpyt'hqt'Eqo o wplv{'  
Cevkqp'cpf 'Gpxtkqpo gpvcn'Lwukg'\*EECGL+.'EC'k'pukw'g'hqt'Twtcn'Uwf kgu."  
F gugt'Vj gcmj ectg'F k'utlev'cpf 'Hqwpf cvkqp.'Ek'q'qh'Eqcej gmc.'Cw'wdqp'  
Ecirkh'qtpk.'Wpkqp'f g'Rqrpequ.'Tkxgtukf g'Wpkxgtukv{'J gcmj 'U{ugvo '\*Rwdrke"



J gcnj + 'Cnkcp| c. 'Mqwpmwg{ 'F guki p 'kpkckxg\*MF K: 'l qwj 'Ngcf gtuj kr 'kunkwwg'  
 \*l NK: 'Ngcf gtuj kr 'Eqwpugnhqt 'Lwuleg'( 'Ceeqwpvcdkx{ . 'Nqo c 'Nkpf c 'Wpkxgtukx{ "  
 Uej qqnl'qh'Rwdnke"J gcnj . 'Rwgdnt 'Wpkf q 'EFE. 'Vqttgu'O ctvkg| 'F gugtv'Ecj wkr"  
 kpf kpu. 'Nkf gtgu'Eco r gukpcu. 'cpf 'eqo o wpkv{ 'tgukf gpw'qh'Gcuvgtp'Eqcej gmc"  
 Xcng{ . 'cpf "

40 Eqcej gmc'Xcng{ 'Wpkhkf 'Uej qqnl'F kntlev. 'Eqo kg'Ekxleq'F gn'Xcng\*'EEX+."  
 Eqo o wpkkgu'hqt'c'P gy 'Eckhqtple\*'EP E+ 'Rtqo qvtgu'Eqo wpkctkqu'F gn'F gukgvq"  
 \*REF+ 'Nc'Wpkqp'J ceg'Nc'Hwgt| c. 'J gcnj 'Cuuguo gpv'cpf 'Tgugctej 'hqt"  
 Eqo o wpkkgu\*'J CTE+ 'cpf 'Hcto y qtngtu'kunkwwg'qh'Gf wecvkp'( 'Ngcf gtuj kr "  
 F gxgnr o gpv\*HGNF +0"

"

### Benefits to South Coast AQMD"

Ko r ngo gpvcvqp'qh'CD'839'y knj gr 'cf xcppeg'gpxktqpo gpvcnl'wuleg'i qcnl'v'ko r tqxg'ck"  
 s wcrkx{ 'cv'c'eqo o wpkv{ 'uecng. 'gur gekcm{ 'kp'yj g'o quv'ko r cevfg 'cpf 'f kucf xcpvci gf "  
 eqo o wpkkgu'y kj kp'Uqwj 'Eqcu'CS O F au'lwtkuf levkp0Vj g'ghqtu'lp' l gct'4'y kn'  
 hqmqy 'yj g'o qf gn'ugv'd{ 'l gct'3'eqo o wpkkgu'hqt'yj g'f gxgnr o gpv'qh'eqo o wpkv{ 'ck"  
 o qpkqtapi 'cpf 'go kuukpu'tgf wevqp'r ncpu'cpf 'tglphqteg'Uqwj 'Eqcu'CS O F au"  
 ngcf gtuj kr 'tqng'lp'vcemkpi 'eqo r ngz'necl'ck't s wcrkx{ 'kuwgu0Hwtvj gto qtg. 'yj g'ugrgecvkp'qh"  
 yj g'Uqwj 'Gcu'Nqu'Cpi grgu'eqo o wpkv{ 'qh'Uqwj 'l cvg. 'Hqtgpeg/Hkt guvpg\*'gcu+."  
 Y cnpw'Rctm'J wvki qp'Rctm'y guv+. 'Ewf c| { . 'Dgm'l ctf gpu\*'uqwj + 'cpf 'yj g'Gcuvgtp"  
 Eqcej gmc'Xcng{ 'eqo o wpkv{ 'qh'kpf kq. 'Eqcej gmc. 'Vj gto cn'Qcuku. 'O geec. 'P qtvj 'Uj qtg.  
 f go qpwtcvg'c'eqo o ko gpv'v'c'f kxgtukx{ 'qh'eqo o wpkkgu'chgevgf 'd{ 'uqwtegu'htqo "  
 wtdcp'cpf 'twctn'go kuukpu0""

"

### Resource Impacts

Uqwj 'Eqcu'CS O F 'tgegkxgf "&320 "o knkqp'hqt'yj g'kpkcn'ko r ngo gpvcvqp'qh'CD'839"  
 cpf '&42"o knkqp'hqt'yj g'htuv'{ gct'qh'yj ku'r tqi tco 0kpf'cf f kkp. 'yj g'Eqo o wpkv{ 'Ck"  
 Rtqvevqp'kpegpvxg'hwpf u'y kn'dg'wugf 'vqy ctf 'ko r ngo gpvki 'cuqekcvgf 'kpegpvxg"  
 r tqlgew0kpf'423; . 'Uqwj 'Eqcu'CS O F 'tgegkxgf '& 7.792.222'kp'vqcnl' tcvp'hwpf kpi "  
 yj tqwi j 'yj g'Eqo o wpkv{ 'Ck'Rtqvevqp'hwpf u.'y j lej 'kpenmf gu'8047' "cf o kpkntcvxg"  
 hwpf u0"

"

Vj g'cpvckr cvgf 'tguqweg'pggf u'hqt'Uqwj 'Eqcu'CS O F au'qpi qkpi 'ko r ngo gpvcvqp'qh'  
 CD'839'ku'&520"o knkqp'r gt'{ gct0Vj ku'cuwo gu'yj cv'vq'v'v'j tgg'pgy 'eqo o wpkkgu'ctg"  
 cffgf'gcej "'{ gct. 'cpf'gcej 'eqo o wpkv{ 'r tqi tco 'ncuu'cr r tqzko cvgn{ 'hxg'{ gctu'y kj "c"  
 o czko wo 'qh'36'eqo o wpkkgu'lp'yj g'r tqi tco 'uko wncpgqwn{ 0Vj gtg'ku'pq'kpetgcug'lp'yj g"  
 hwpf kpi 'ngxgn'hqt' l gct'40Uchh'eqpvkpwgu'v'y qtnly kj 'yj g'Eckhqtple'ucvg'ngi kurwtg'vq"  
 ugvcukf g'uwxckpgf 'hwpf kpi 'hqt'CD'839'ucvgy kf g0kpf'Lxpg'423; . 'yj g'Dqctf'cr r tqxgf'cp"  
 kpetgcug'lp'vqzku'hgg. 'y j lej 'y knj gr 'vq'r tqxkf g'uqo g'tguqtegu'hqt'ck'vqzku"  
 r tqi tco u'cv'Uqwj 'Eqcu'CS O F . 'kpenmf kpi 'uqo g'CD'839'vqzku'tgrcvf 'ghqtu0"

"

Uqwj 'Eqcu'CS O F 'dwfi gv'ko r cew'hqt'hwwtg'{ gctu'ctg'f gr gpf gpv'qp'yj g'pwo dgt'qh"  
 eqo o wpkkgu'yj cv'ctg'f guki pcvgf. 'cpf 'yj g'co qwpv'qh'hwpf kpi 'cmqecvgf 'd{ 'yj g'ngi kurwtg"  
 vq'uwr r qtv'CD'839'ko r ngo gpvcvqp'd{ 'yj g'necl'ck'f kntlew0Uchh'y kn'dg'xki kcpv'lp"

o qpkqtkpi "cm'CD'839'tgrwgf "gxr gpf kwt gu'v'q"gpwt g"ghlekpv'wug'qh't guqwt egu'cpf "y km'  
wug'ku"gxrgt kgpeg"cpf "kpuji w'v'q"rncp"cpf "hqtgecu'hwwtg"gxrgpf kwt gu'

### Attachments

30 F tch'Tgr qtv'v'q'ECTD"\*HpcnUwdo kwnlhtqo 'Uqwj 'Eqcu'CS OF <I gct'4'Ego o wpk{ "  
Tgeqo o gpf cvkpu'hqt'CD'839"K r ngo gpvcvkp+""  
40 Dqctf 'O ggvp'pi 'Rtgugpvcvkp"

# **Attachment 1**

## **Draft Report to CARB**

### **Final Submittal from South Coast AQMD: Year 2 Community Recommendations for AB 617 Implementation**



Uqwj "Eqcu"CS O F < "Eqo o wplv "Tgeqo o gpf cvkpu" hqt "CD"839"  
[ gct"4"Eqo o wplv "Rcpu"ko r ngo gpvcvqp"

## Introduction

### Dceni tqwpf "

Cuugo dn( "Dkn" \*CD+ "839." uki pgf "kpv" ncy "kp"4239." cff tguugu" ckt "r qmwkqp" kuwgu" kp"  
gpxktqpo gpvcn' lwnleg" eqo o wplv "v tqwi j " eqo o wplv /hqewugf " cevqpu0' Vj g" ncy "  
tgs vktgu"vj g'Ecrkhtpk'Ckt'Tguqwtgu"Dqctf "ECTD+."kp"eqpuwncvqp"y kj "ckt"fkntlevu."vq"  
ugrgev'eqo o wplv "hqt"eqo o wplv "ckt"o qpkqt kpi "cpf lqt"vj g"r tgr ctvqp"qh"eqo o wplv "  
go kuukpu"tgf wevqp"r tqi tco u0'CD"839"ur gekkhu"vj cv"vj g"j ki j guv'r tkqtkv "ctgcu"uj cm'dg"  
f kucf xcpvc gf " eqo o wplv "y kj " c" j ki j " ewo wrcvkg" gzer quwtg" dwtf gp" hqt" etkgtkc"  
r qmwcpw"cpf "vzle"ckt"eqpco kpcpw0"  
"

CD"839"tgs vktgu"ECTD"vq"ugrgev'eqo o wplv "qp"cp"cppwcn'dcuku"vq"dg"kpnmf gf "kp"vj g"  
r tqi tco " hqt" vj g" f gxgnr o gpv' qh" eqo o wplv " go kuukpu"tgf wevqp" r ncpu" cpf lqt" ckt"  
o qpkqt kpi "r ncpu"oeqo o wplv "r ncpu+0'Ckt"fkntlevu"uwo k'cppwcn'tgeqo o gpf cvkpu"vq"  
ECTD'hqt"eqpuf gtcvqp0'kp"423: "o[ gct"3ö+."Uqwj "Eqcu"CS O F "vchh'uwo kwgf "c'tgr qtv"  
vq"ECTD"y kj "c"eqo r tgj gpukxg"fguetkr vqp"qh"Uqwj "Eqcu"CS O F æ'r wdrlr"r tqeguu"cpf "  
vej plect'o gy qf qm{ "vq"kf gpvh{ "cpf "cuugu"eqo o wplv "hqt"vj g"CD"839"r tqi tco ."cpf "  
tgeqo o gpf cvkpu"hqt"[ gct"3"eqo o wplv "Uqwj "Eqcu"CS O F "vchh'tgeqo o gpf gf "hqt"  
eqo o wplv "hqt"[ gct"3"ugg"423: "tgr qtv"vq"ECTD'hqt"o qtg'kphqto cvkqp<sup>3</sup>+."qh'y j lej "vj tgg"  
y gtg"ugrgev"cpf "cr r tqxgf "d{ "ECTD"kp"Ugr vgo dgt"423: "vq"fgxgnr "cpf "ko r ngo gpv"  
eqo o wplv "go kuukpu"tgf wevqp"r ncpu"cpf "ckt"o qpkqt kpi "r ncpu0"  
"

Vj kltgr qtv'eqpvcvqp"Uqwj "Eqcu"CS O F )t'geqo o gpf cvkpu"hqt"eqo o wplv "vq"dg"cff gf "  
kp"[ gct"4"qh"vj g"r tqi tco 0'Vj g"tgr qtv"kpnmf gu"cp"qxgtxky "qh"vj g"cr r tqcej "wugf "vq"  
f gvgto kpg"vj g"eqo o wplv "hqt"vj g"ugrgev"r tqeguu0"

## Year 2 Community Selection

Dcugf " qp" vj g" cuuguo gpv' wugf " kp" [ gct" 3." hqwtvggp" eqo o wplv "tgo clpgf " wpgt"  
eqpuf gtcvqp" hqt" ko r ngo gpvcvqp" kp" [ gctu" 4/7" qh" vj g" r tqi tco 0' Eqo o wplv "  
tgeqo o gpf cvkpu"hqt"[ gct"4"ugrgev"ctg'dcugf "qp"vj g"gz kpi "eqo o wplv "kf gpvhkcvqp"  
r tqeguu"htqo "[ gct"3."cnpi "y kj "cff kkpnc'eqo o wplv "kpw"cpf "pqo kpcvqp"tgegkxgf "  
htqo "qwtgcej "eqpf wevgf "kp"423; 0'Vj g"hmjy kpi "hcvqtu"y gtg" wugf "vq"kf gpvh{ "cpf "  
r tkqtkk g"vj g"o quv'j gcxk{ "dwtf gpgf "eqo o wplv "hqt"CD"839"[ gct"4"ko r ngo gpvcvqp<  
"  
"  
"

=====

<sup>3</sup>"Uqwj "Eqcu"CS O F "423: 0öEqo o wplv "Tgeqo o gpf cvkpu"hqt"CD"839"ko r ngo gpvcvqp. "Hpcn"Uwo kvcn'htqo "  
Uqwj "Eqcu"CS O F ö."Lwn{ "53."423: 0Cxcnkrdng"cv<"j wr <ly y y Qs o f Q qx lf qeulf ghcwn/uqwtgkd/839/cd/  
[356.hwo kvcn/vq/ectd0fh"](#)

- Gzlvkpi "eqo o wplv{ 'kf gpvhlcvkqp"cpf "rtkqtkk cvkqp"r tqeguu'hqt"l gct"3."kpenmf kpi <"
  - Rtkqtkk kpi "f kuf xcpwi gf "eqo o wplvku"vj cv'tg" f kur tqr qt vqpcvgn{ "chgevgf "d{ " ckt"r qmwkqp0F kuf xcpwi gf "eqo o wplvku"ctg" f ghkpgf "kp"vj g"Ecrkhtpkc"J gcmj " cpf "Uchgv{ "Eqf g"Ugevkqp"5; 933<ödcugf "qp"i gqi tcr j kē."uqekqgeqpqo kē."r wdrle" j gcmj ."cpf "gpvktqpo gpvcn{ c| ctf "etkgtkcö"
  - Wlvk kpi "cr r tqr tkcv"gzlvkpi "f cvc"cpf "vqqn."gur gekcm{ "vj qug"vj cv"j cxg"i qpg" vj tqwi j "vj g"r wdrle"r tqeguu" \*gđ 0"ckt "r qmwkqp" f cvc+"
  - Eqpukf gtlpi "uej qqn{r tqzko k{ "vq"uqwtegu"
  - Rcuw"eqo o wplv{ "r rpu"qt "r tqi tco u"
- Cff kkvpcn"r wdrle"lpr wv."pgy "ckt "r qmwkqp" f cvc."cpf "pqo kpcvkpu"tgegkxgf "htqo " qwtgcej "o ggkpi u"
- Cff kkvpcnēqpukf gtcvkqp"htq"i gqi tcr j kcrnf kxgtukv{ "cpf "f kxgtug"ckt "r qmwkqp"kuwgu"
- Rtkqtkk kpi "eqo o wplvku"vj cv" f go qpuctcv"tgcf kpguu"htq"eqmcdqtcvkqp"y kj "Uqwj " Eqcu"CS O F "vq"ko r ngo gpv"CD'839"r rpu."uwej "cu" f go qpuctcvkpi <"
  - Mpqy ngf i g"qh"mecn{ckt "r qmwkqp"uqwtegu"
  - Gzr gtlgpeg"cpf "y kkvpi pguu"vq"y qtn{y kj "i qxgtpo gpv"ci gpeku."qti cpl{ cvkpu." dwukpguu"qt "dwukpguu"qti cpl{ cvkpu."uej qqn."j qur kcn."gve0"
  - Eqo o wplv{ "gpi ci go gpv"cpf "qti cpl{ cvkqp"ctqwpf "ckt "r qmwkqp"kuwgu"
  - J cxkpi "tguqwtegu"htqo "mecn{ci gpeku"cpf "qti cpl{ cvkpu"vj cv"y qwf "eqpvtkdwg" vq"vj g"tcr kf "ko r ngo gpvcvkqp"qh"vj ku"r tqi tco "
  - Rtqi tguu"y kj "uēgpeg/dcugf "eqo o wplv{ "ckt "r qmwkqp"r tqlgewu" \*gđ 0"eqo o wplv{ " ckt "ugpuqt "r tqlgewu+"

"

Vj gug"eqpukf gtcvkpu"ctg"tghgevgf "cu"r ctv"qh"vj g"r wdrle"r tqeguu."vj g"vgej plecny qtm"cpf " vj g"tgeqo o gpfcvkpu" f guetkdgf "kp"vj ku"tgr qt v0"

## Summary of Outreach and Public Input

### Qwtgcej "

Rwdrle"lpr wv"y cu" c"ng{ "grgo gpv"kp"kf gpvkh{ kpi "vj g"o quv"j gcxkn{ "dwtf gpgf "eqo o wplvku" y kj kp"Uqwj "Eqcu"CS O F ōu"lwtkuf kvkqp0Eqo o wplv{ "o go dgtu"y gtg" gpeqwtci gf "vq" uwdō k/pqo kpcvkpu" \*ugr/ tgeqo o gpfcvkpu+"vq"j gr "kf gpvkh{ "y j { "vj cv"eqo o wplv{ "uj qwf " dg" c" r ctv" qh" vj g" r tqi tco ." kpenmf kpi "hcvqtu" f go qpuctcvkpi "eqo o wplv{ "tgcf kpguu"qt" cff kkvpcn"pgy "kphqto cvkqp"vj cv"y cu"pqv"r tqxkf gf "htqo "l gct"30Uchh"j grf "ukz"gxgplpi " eqo o wplv{ "qwtgcej "o ggkpi u"dgwy ggp"Hgdtwct{ "cpf "Cwi wuv" \*Table 1+0"

"

**Table 1.** 'Eqo o wplv' 'Qwtgcej 'K gpv' 'hlec' 'vqp' 'O gg' 'vpi u'j quvgf 'd' 'Uqwj 'Eqcu' 'CS O F 'v' 'i cyj gt' r wdrle' 'kpr w' 'hqt' 'CD' '839' 'l gct' '4' 'ko r ngo gpvc' 'vqp'

Date and Time	Location	Approximate Attendance
Hgdtwct{ "44."423; "4" 7-52"6"9-52"r o "	P qtj 'Uj qtg'Dgcej "cpf 'l cej v'Enwd" ; ; 377"Ugc'Xkgy 'F tkxg" P qtj 'Uj qtg.'EC"; 4476"	: 2"
O c{ "44."423; " 8-22"6": -22"r o "	J gtkci g'J cm'cv'j g'Gj rgtu'Gxgpv'Egpvt" : 372'Mpqw'Cxgpwg" Dwgpc'Rctm'EC"; 2842"	32"
O c{ "4; ."423; " 8-22"6": -22"r o "	J wwqp'Ego o wplv' 'Egpvt" 882'Egnqp'Cxgpwg" Eqnqp.'EC"; 4546"	42"
Lypg'7."423; " 8-22"6": -22"r o "	J wplv' vqp'Rctm'F gr ctvo gpv'qh'Rctm'(' 'Tgetgc'vqp" Uqekn'J cm' 5623'G0Hqtgpeg'Cxgpwg" J wplv' vqp'Rctm'EC"; 2477"	42"
Lypg'3; ."423; " 8-22"6": -22"r o "	Etguo qtg'O cpqt" 6822'Etguo qtg'Tqcf " Lxwrc'Xcng{ ."EC"; 427; "	37"
Cwi wuv'4; ."423; " 8-22"6": -22"r o "	Uqwj 'I cvg'Rctm' 6; 22'Uqwj gtp'Cxgpwg" Uqwj 'I cvg.'EC"; 24: 2"	VDF "
<b>Total</b>		367"

"

Hqt" gcej "Eqo o wplv' 'K gpv' 'hlec' 'vqp' \*K + "o gg' 'vpi . "kphqto cv'vqp" y cu'f kntkdwgf "v" o qtg" yj cp" 5.222" uwduetkdgtu" xlc" Uqwj "Eqcu' 'CS O F 'v' go ckn'f kntkdwkqp" cpf "uqekn' o gf lc" r m'vqto u. "cpf "y cu' r tqo qvgf "j tqwi j "j g' hqmqy kpi "ghqtu<"

"

- O gg' 'vpi u' y kj "j g' uchl' 'qh" gngvgf "qh' hlekn' 'cv' j g' ekv' . "eqwv' . "ucvg. "cpf "hgf gten' ngxgn"
- Hn' gt "f kntkdwkqp" v' ugpkt' "egpvtu. "pgki j dqtj qqf "eqwpekn. "r wdrle" r' dtdctkgu. "ekv' " j cmu. "cpf "h' qecn' uej qqn'f kntkdw"
- Xkuku' v' i' qxgtpo gpv' ci gpeku' v' kpxkg' uchl' v' w' eqo kpi "o gg' 'vpi u"
- Cwgp' cpeg' cv' h' qecn' Ej co dgt' qh' Eqo o gteg' cpf "Eqwpekn' qh' I' qxgtpo gpv' o gg' 'vpi u' v' r' tqxkf g' w' f cvgu' cpf "kphqto cv'vqp" = cpf "
- Gpi ci go gpv' y kj " gp' xktqpo gpv' cn' lwv' leg" qti cpl' cv'vqp" cpf " eqo o wplv' " j gcnj " cf xqecvgu' v' uwr r qt v' qwtgcej "ghqtu0"

"

F wtkpi "j g' Eqo o wplv' 'K "o gg' 'vpi u. "uchh' r' tgu' gpvgf "c" uwo o ct{ "qh' j g' l gct" 3" r' tqeguu. " kpen' f kpi "j qy "r wdrle" kpr w' cpf "v' gej p' lecn' f' cv" kphqto gf "j g' eqo o wplv' " r' tqtkk' cv'vqp" r' tqeguu' Uchl' r' tqxkf gf "cp" w' f cvg' qp' j g' l gct" 3" eqo o wplv' " ko r ngo gpvc' vqp. " kpen' f kpi " j g' r' ctv' lek' cv'vqp" tgs vktgo gpw' qp" j g' Eqo o wplv' " Uggtkpi " Eqo o kwggu' Uchl' cnuq"

\*\*\*\*\*

<sup>4</sup>O gg' 'vpi "eq/ j quvgf "y kj "ECTD' uchl'

rtgugpvf" kphqto cvkqp" qp" j qy " eqo o wplv{ " o go dgtu" ecp" uwdokv" eqo o wplv{ " ugrh/  
tgeqo o gpf cvkqp" hqto u" hqt" pqo kpcvkqpu." kpenwf kpi " ng{ " grgo gpw" vj cv' uychh" y qwf " dg"  
mqnkp i " hqt" y kj kp" vj gug" hqto u0Ugrh/tgeqo o gpf cvkqp" hqto u" y gtg" cxckrdng" qp" r cr gt" cv"  
gcej " qh" vj g" eqo o wplv{ " o ggkpi u." cpf " kphqto cvkqp" qp" j qy " vq" uwdokv" vj g" hqto u" d{ " o ckn"  
go ckn" cpf " y gd" hqto " y gtg" r tqxkf gf " vq" cwgpfggu0 Vj g" rtgugpvkqp" eqpvckkpi " vj ku"  
kphqto cvkqp" y cu'cnuq" r tqxkf gf " qp" vj g" y gdr ci g<"

[j wr <ly y y @s o f 0 qx lpcx lcdqwlkpkcvkxguleqo o wplv{ / ghqtulgpvxtqpo gpvcr/  
lwvleglcd839/356leqo o wplv{ / kf gpvkecvkqp/ r tlqtkk cvkqp0"](#)

"

Uchh" f gxgnqr gf " ur gekrk gf " qwtgcej " o cvgtknu" vq" r tqxkf g" kphqto cvkqp" vq" vj g" i gpgtcrn"  
r wdrke" cdqw" CD" 8390' Vj gug" qwtgcej " o cvgtknu" kpenwf gf " kphqi tcr j keu." uqekcn" o gfk "  
i tcr j keu." o ggkpi " hn{ gtu." eqo o wplv{ " ugrh/tgeqo o gpf cvkqp" hqto u." cpf " c" f gfkcvgf "  
y gdr ci g" y kj " kphqto cvkqp" cdqw" vj g" o ggkpi u." rtgugpvkqpu." cpf " ugrh/tgeqo o gpf cvkqp"  
hqto u0Cf f kkpemf . " kphqto cvkqp" qp" Uqwj " Eqcu' CS O F " kpegpvkxg" r tqi tco u" y gtg" cnuq"  
o cf g" cxckrdng" \*k00" r co r j ngu." dtqej wtgu0' Cm' r tlqvfg " o cvgtknu" cpf " o quv" grgevtqple"  
o cvgtknu" y gtg" r tqxkf gf " kp" Gpi rkuj " cpf " Ur cpluj 0'

"

[Uwo o ct { " qh' Eqo o wplv{ " P qo kpcvkqpu" \\*Ugrh/ Tgeqo o gpf cvkqpu+ " Tgegkxgf "](#)

Dgnqy " ku" c" vdrng" y kj " c" rkuv' qh' cmi' vj g" eqo o wplvku" vj cv' y gtg" ugrh/tgeqo o gpf gf " hqt" l gct"  
4' ko r ngo gpvkvkqp0 Vj gug' kpenwf gf " eqo o wplvku" kp" vj g" Uqwj " Eqcu' Ck' Dculp" \*UECD+ "  
cpf " vj g" Ucnqp" Ugc' Ck' Dculp" \*UUCD+0"

"

**Table 2.** 'P co g'qh'gcej "eqo o wplk\ 'hqt 'y j kej "qpg"qt'o qtg'pgo kpcvkpu'y gtg'tgegkxgf "kp" 423; , "

Name of the Community Grouping	Nominations Received for
<b>South Coast Air Basin</b>	"
O c{y qqf . 'Eqo o gteg' *gcuw+ . 'Xgtppq' *uqwj + . 'J wplkpi vqp' Rctm' *gcuw+ . 'Dgm' 'DgmI ctf gpu' *pqtj + "	O c{y qqf . 'J wplkpi vqp' Rctm' Xgtppq . 'Dgm' 'DgmI ctf gpu' "
Eqnqp . 'I tcpf' 'Vgttceg . 'Ucp' 'Dgtptcf kpq' *uqwj y guv+ "	Eqnqp "
Eqo r vqp . 'Tcpej q' 'Fqo kpi wgl . 'Y kmqy dtqqm' N{py qqf . 'Y cwu' "	N{py qqf . 'Y cwu' "
Uqwj 'I cvg . 'Hqtgpeg/ Hktguvpg' *gcuw+ . 'Y cipw' Rctm' 'J wplkpi vqp' Rctm' *y guv+ . 'Ewf c{ . 'Dgm' I ctf gpu' *uqwj + "	Uqwj 'I cvg . 'J wplkpi vqp' Rctm' 'Y cipw' Rctm' Hqtgpeg/ Hktguvpg/ Hqtgpeg' ( 'I tcj co . 'Ewf c{ . 'DgmI ctf gpu' "
I ctf gpc . 'Cnpf tc' Rctm' 'Ncy pf cng' "	I ctf gpc . 'Gri' Eco kpq' Xknci g' "
O ktc' 'Nqo c . 'Lxwrc' 'Xcng{ . 'Gcuwxcng . 'Rgf ng{ "	Lxwrc' 'Xcng{ *kpenwf kpi 'Uwpp{ unqr g . 'Unf " Eqwpt{ . 'O ktc' 'Nqo c . 'Twdkf qwz . 'Dgmqy p . 'Lxwrc . 'Lxwrc' 'J km . 'I ngp' 'Cxqp . 'Rgf ng{ + " O ktc' 'Nqo c' "
Rctco qwpv . 'P qtj 'Nqpi 'Dgcej "	Rctco qwpv' "
Dwpgc' Rctm' 'Cpcj glo . 'Hwngt vqp . 'Qtcpj g' "	Uqwj 'Hwngt vqp . 'Dwpgc' Rctm' 'Cpcj glo ""
Uqwj 'Nqu' 'Cpi grgu . 'Uqwj 'Egptcn' 'Nqu' Cpi grgu . 'J {f g' Rctm' Vqttcepg' "	Uqwj 'NC . 'Uqwj 'Egptcn' NC ""
Y guwxcng . 'Mqtgc' 'Vqy p . 'O kfcx{ . 'O kf / Y knj k g' "	J knqtle' 'Y guv' Cf co u' "
Kpi rgy qqf . 'J cy vj qtpg . 'Y guw qp v' 'Xgto qp v' "	Y guv' Rctm' Vgttceg' "
<b>Salton Sea Air Basin</b>	"
Ej ktkceq' 'Uwo o k' "	Ej ktkceq' 'Uwo o k' "
Gcuwtp' 'Eqcej gmc' 'Xcng{ < kpf kq . 'Eqcej gmc . 'Vj gto cn' 'Qcuku . 'O geec . 'P qtj 'Uj qtg' "	kpf kq . 'Eqcej gmc . 'Vj gto cn' 'Qcuku . 'O geec . 'P qtj 'Uj qtg' "

, Vj g'eqo o wplk\ 'i tqwr kpi u'vj cvcr r gct "qp'vj ku'ku'ctg'dcugf "qp'vj g' gct'3"eqo o wplk\ 'kpr w'cpf "vgej plecn' cpcn\ uku'Uqo g'cf lwuwo gpw'y gtg'o cf g'dcugf "qp'vj g' hpcrk gf "eqo o wplk\ "dqwpf ctkgu"qh'vj g' gct'3" eqo o wplk\ u"

ÄEj ktkceq' 'Uwo o k'y cu' kpenwf gf "kp'c"pgo kpcvkp' hqt' Gcuwtp' Eqcej gmc' Xcng{ . "dw'uchh'eqpulk'gtu'k'c" ugr ctcvg'eqo o wplk\ "dgecwug'k'ku'i gqi tcr j kcm\ 'tgo qxgf 'htqo 'vj g'tguv'qh'vj g' Gcuwtp' Eqcej gmc' Xcng{ " eqo o wplk\ "cpf . 'dcugf "qp'cxckrdng'f cvc . 'vj g'mecn'ck' r qmwkqp' uqwtugu'kp' Ej ktkceq' 'Uwo o k'ctg'f hgtgpv' htqo 'vj qug'kp' Gcuwtp' Eqcej gmc' Xcng{ 0' "

Kp'vj g'ugnh/tgeqo o gpfcvkqp' hqto u . "eqo o wplk\ "o go dgtu'r tqxkf gf "kphqto cvkqp"qp'vj gkt" eqo o wplk\ . 'kpenwf kpi 'vj g'r wtr qug'qh'vj gkt' tgeqo o gpfcvkqp'cpf 'ej ctcevgtkuk'eu'vj cv'o cng' vj gkt" eqo o wplk\ " c" i qqf " ecpf kf cvg" hqt" vj g" r tqi tco 0' Uqo g" eqo o wplk\ " ugh/ tgeqo o gpfcvkqp' y gtg" eqo r tgj gpulk'g" cpf " r tqxkf gf " c" vj qtqwi j " f guetkr vkqp" qh' vj g" eqo o wplk\ 'u'ckt' s wcrk\ " r tkqtkkgu"cpf " j ki j rki j vgf "gzco r ngu"qh'eqo o wplk\ "tgcf kpguu0'



Uqo g'eqo o wpxkgu'tgegkxgf 'ugxgtcn'pgo kpcvqpu0J qy gxgt. 'vj g's wcrkv{ 'qh'vj g'eqvpgpv'y cu' gzj cwuxxgn{ 'eqpukf gtgf 'kp'vj g'r tkqtktk{ cvkqp'r tqegu0

## Data Sources and Methodology for Community Prioritization

Ugxgtcn' vgej plectn' f cvc" uqwtegu" y gtg" wugf " vq" kphqto " vj g" r tkqtktk{ cvkqp" o gjv qf qmji { . " kpenwf kpi " ckt" vqzleu" ecepgt" tkun' f cvc" htqo " vj g" O wmxr rg" Ckt" Vqzleu" Gzr quwtg" Uwf { " \*O CVGU+<sup>5</sup>. " gpvktqpo gpvcr' r qmwkqp. " uqekqgeqpqo ke' hcevqtu" cpf " r wdrke' j gcnj " hcevqtu" htqo " EcnGpxktqUetggp" 50<sup>6</sup>. " c" o gvtke' f gxgmqr gf " vq" kf gpvkh{ " ctgcu" y kj " uej qqu" pget " ckt" r qmwkqp" uqwtegu. " cpf " ckt" r qmwkqp" o qpkqtkpi " f cvc" htqo " ur gekcn' uwf lgu0 Vj gug" f cvc" uqwtegu" ctg" f guetkdgf " kp" f gvckl' kp' vj g" 423: " tgr qt v' vq" ECTD0' P q' pgy " f cvc" htqo " O CVGU" qt' EcnGpxktqUetggp" y cu' cxckrdng' cu' qh' Lwn{ " 423; 0

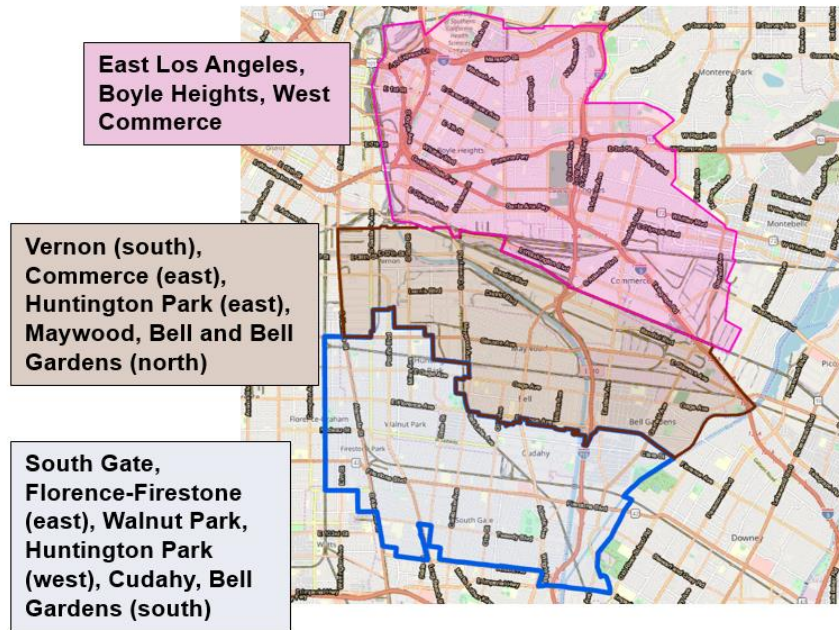
### O gjv qf qmji { 'hqt' Ego o wpxkv{ 'kf gpvkh{ cvkqp" cpf " Rtkqtktk{ cvkqp"

Kp" 423: . " uchh' cr r rkgf " c" u{ uvgc cve" cr r tqcej " vq" kf gpvkh{ " cpf " r tkqtktk{ g' eqo o wpxkgu" hqt" CD' 839" cpf " vq" tgeqo o gpf " cp" kpkcn' ko r ngo gpvckqp" uej gf wrg0 Vj g' l gct " 4" r tkqtktk{ cvkqp" cf qr u" vj ku' uco g' cr r tqcej . " dw' kphqto cvkqp" r tqxkf gf " kp" vj g' ugrh' tgeqo o gpf cvkqp" hqto u" y cu' wugf " vq" w' f cvg' vj g' dCf f kkpqcn' hcevqtu0' eqpukf gtgf " kp" Ugr " 6. " cu' y gm' cu' cp{ " cf f kkpqcn' eqo o wpxkgu" kf gpvkh{ gf " hqt" eqpukf gtcvqpu0 Vj g' uco g' rku' qh' kf gpvkh{ gf " eqo o wpxkgu" htqo " [ gct " 3" y cu' kpeqtr qtcvgf " hqt" vj g" [ gct " 4" r tkqtktk{ cvkqp" y kj " o kpkt " o qf kkecvkqp0 Qpg" cf f kkpqcn' eqo o wpxkv{ " \*Ej kkeq" Uwo o kv" y cu' cf f gf " vq" vj g' rku' dgecwug" y g' tgegkxgf " c" pqo kpcvqpu" hqt " vj ku' eqo o wpxkv{ O' Cf f kkpqcm{ . " kp" 423; . " [ gct " 3" eqo o wpxkv{ " qh' Gcu' Nqu" Cpi grgu. " Dq{ rg" J gki j w. " Y guv' Ego o gteg" \*GNCDJ Y E+ " hpcrk{ gf " ku" eqo o wpxkv{ " dqwpf ct { . " uq" vj g' cf lcegpv' eqo o wpxkv{ " i tqwr kpi u' y gtg' uwdugs wgpvn{ " cf lwugf 0' Dgm " Dgm" I ctf gpu. " cpf " Ewf cj { " ctg" pqy " r ctv' qh' vq" cf lcegpv' eqo o wpxkgu" J Uqwj " I cvg. " Hqtgpeg/ Hktguvqpg\* gcuv+. " Y cipw' Rctm' J wpxkpi vq' Rctm' y guv+. " Ewf cj { . " cpf " DgmI ctf gpu\* uqwj +. " cpf " c" eqo o wpxkv{ " vj cv' kpenwf gu' O c{ y qqf . " Ego o gteg\* gcuv+. " Xgtpqp\* uqwj +. " J wpxkpi vq' Rctm' \*gcuv+. " cpf " c" eqo o wpxkv{ " vj cv' kpenwf gu' Dgm" cpf " DgmI ctf gpu" \*pqt vj + 0' Hki wtg" 3" uj qy u' vj g' w' f cvgf " eqo o wpxkv{ " dqwpf ct kgu" hqt " vj gug" vq" eqo o wpxkgu" y kj " vj g' hpcrn' Gcu' Nqu" Cpi grgu. " Dq{ rg" J gki j w. " Y guv' Ego o gteg" [ gct " 3" eqo o wpxkv{ " dqwpf ct { " cu' tghgtgpeg0"

<sup>5</sup>" [j wr <ly y y Qs o f Q x lj qo g l c k t / s w c r k v / l c k t / s w c r k v / u w f l g u l j g c n j / u w f l g u l o c v g u / k x "](#)

<sup>6</sup>" [j wr u < l g g i j c l e c f Q x l e c r g p x k t q u e t g g p l g r q t v l e c r g p x k t q u e t g g p / 5 2 "](#)

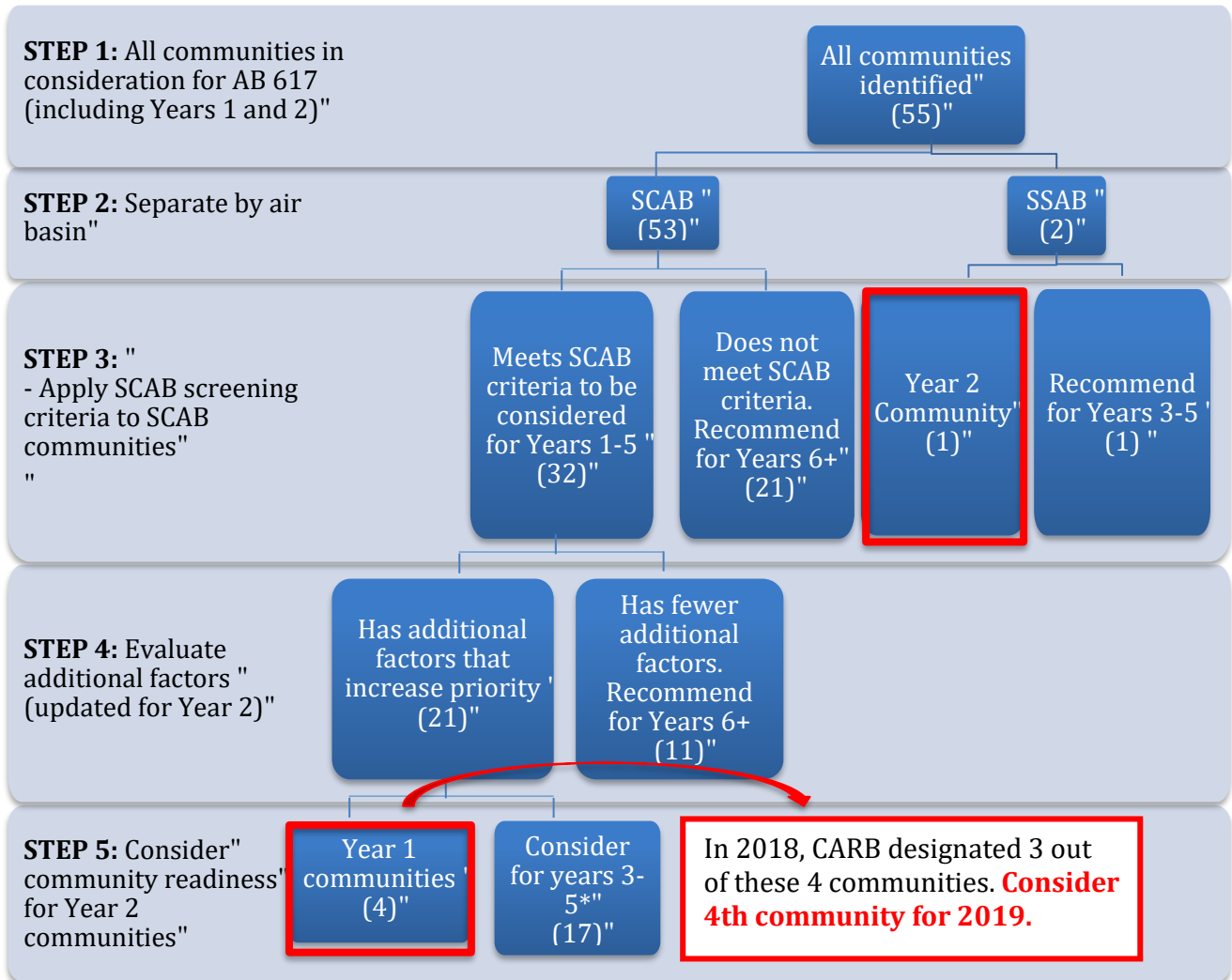
<sup>7</sup>" Uqwj " Eqcu' CS O F " 423: 406 Ego o wpxkv{ " Tgeqo o gpf cvkqp' hqt " CD' 839" ko r ngo gpvckqp. " Hpcrn' Uwo kvcn' htqo " Uqwj " Eqcu' CS O F 0. " Lwn{ " 53. " 423: 0Cxcckrdng' cv+ " [j wr < l y y y Q s o f Q x l f q e u l f g h c w n / u q w t e g k d / 8 3 9 / c d / 3 5 6 h w d o k w c n / v q / e c t d 0 f h](#)



**Figure 1.** "Rtgnk kpc { "dqwpf ctkgu'hqt"j g'eqo o wpkv{ "eqpvckpki <Uqwj "I cvg."Hqtgpeg/Hltguvpg"\*gcuv+."Y cnpw'Rctm"J wvvpki vqp'Rctm\*y guv+."Ewf cj { ."Dgm'I ctf gpu"\*uqwj +" cpf "j g'eqo o wpkv{ "eqpvckpki "O c{y qqf ."Eqo o gteg"\*gcuv+."Xgtpqp"\*uqwj +." J wvvpki vqp'Rctm"\*gcuv+."Dgm"Dgm'I ctf gpu"\*pqtj +y kj "j g'hkpcn'Gcu'Nqu'Cpi grgu." Dq{rg"J gki j wu."Y guvEqo o gteg"l gct"3"eqo o wpkv{ "dqwpf ct{ "

"

Hki wtg"4"uwo o ctk gu"y g"u{uwo cve"cr r tqcej "wugf"vq"tgeqo o gpf"l gct"4"eqo o wplkgu<"



**Figure 2.** Hqy "ej ctv"q"kwutcvg"r tkqtkk cvkp"o gy qf qm {0P wo dgt"kp"r ctgpy guku" tgr tgugpw"y g"pwo dgt"qh"eqo o wplkgu"kp"gej "ecvi qt { "

"

Ugr u"3"y tqwi j "7"y gtg"htqo "y g"gzkupi "r tqegu"wugf"vq"f gvgto kpg"eqo o wplkgu"htqo " [ gct"3"r tkqtkk cvkp"cpf "ugrgevkp0l gct"4"eqo o wplk"tgeqo o gpf cvkpu"dwkf "wr qp"y g" ghhtu" eqo r ngvf " kp" [ gct" 30' Vj gtghqtg" eqo o wplkgu" citgcf { " ugrgevgf " hqt" [ gct" 3" ko r ngo gpvcvkp"ctg"kpemf gf "kp"y g"hqmy kpi "eqwpu0Ugr u"3"y tqwi j "7"ctg"qwkpgf " dgmj <"

"

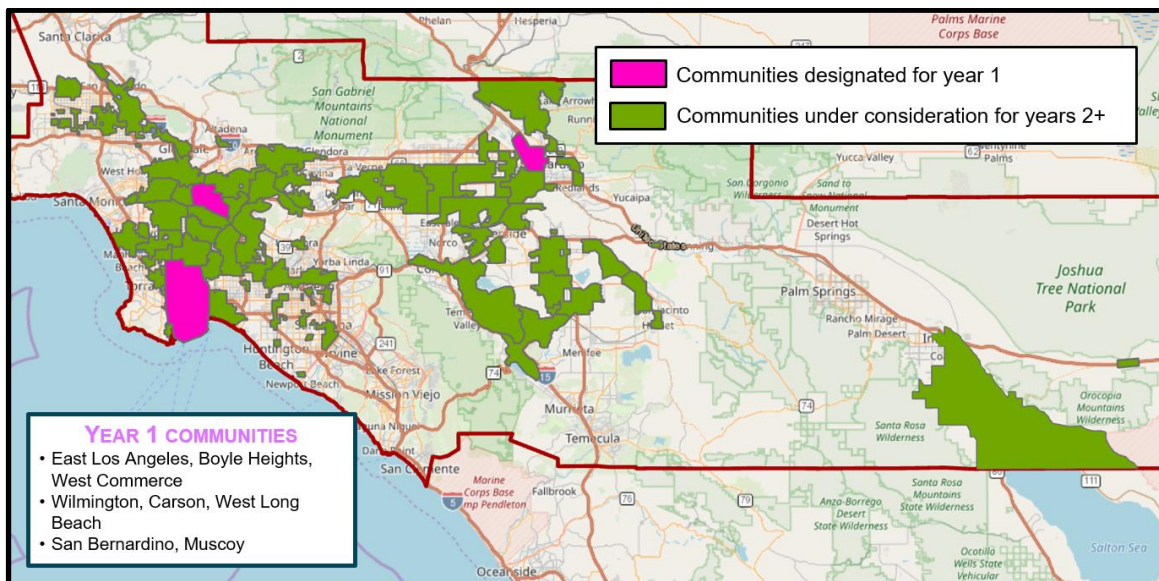
UVGR"3<Vq"kf gpvh{ "eqo o wplkgu"ht"eqpukf gtcvkp"ht"CD"839."uclh"wkkl gf "c"dtqcf n{ " kpenwukg"cr r tqcej ."dgi kplpi "d{ "kpenf kpi "egpuwa"tcew"y cv"o gy"qpg"qt"o qtg"qh"y g" hqmy kpi "y tgg"etkgtk<"

"

c+ EcGpxktqUetggp"50"ueqtg"kp"y g"vqr "47" "ucvgy kf g"  
d+ OCVGU"KX"ct"vqzleu"ecpegt"tkumlp"y g"vqr "47" "kp"y g"UECD"  
e+ Cxgtci g"r gtegpwi g"qh"lpf wutkcn"rpf "wug"cpf "htggy c{u"y kj kp"3.222"hggy"htqo "  
uej qqnlf c{etg"dqwpf ctkgu"y cu"kp"y g"vqr "42" "

"

kp"cf fklqp."eqo o wplkgu"y gtg"kpemf gf "kp"y g"r tgrko kpct { "huv"kh"Uqwj "Eqcu"CS O F "uchh"  
tgegkxgf "c" eqo o wplk { "ugr"tgeqo o gpf cvkqp" hqto "r tkqt" vq "Lxpg" 52."423; ."qt "kh" y g"  
eqo o wplk { "y cu"tgeqo o gpf gf "f wt kpi "c"Uqwj "Eqcu"CS O F "eqo o wplk { "o ggkpi "ugg"  
**Table 2**-0Egpuwu"tcew"y gtg"i tqwr gf "kpq"eqo o wplkgu"d { "i gqi tcr j le"enwngtkpi ."qhgpr"  
hqmqy kpi "ekv { "qt"v { r kcm { "wpf gtuvqqf "pgki j dqtj qqf "dqwpf ctkgu."cu"y gm"cu"eqo o wplkgu"  
y kj "eqo o qp"npqy p"ck"r qmwkqp"uqwtegu0"C"vqcn"qh"77"eqo o wplkgu"y gtg"kf gpvklgf "  
htqo "dqy [ gct"3"cpf [ gct"4"eqo dkgf "ghqtu0J qy gxgt."ukpeg"y tgg"eqo o wplkgu"y gtg"  
ugrgevgf "hqt [ gct"3."y g"rkv"qh"cm"eqo o wplkgu"eqpukf gtgf "hqt [ gct"4"kpemf gu"74"  
eqo o wplkgu"y kj kp"Uqwj "Eqcu"CS O F au"lwtkf levkqp"**Figure 3**-0Qh"y g"tgo ckpki "74"  
eqo o wplkgu."qpg"y cu"eqo dkgf "y kj "cf lcegpveqo o wplk { "i tqwr kpi u."dtkpi kpi "y g"eqwpv"  
vq"73"eqo o wplkgu0kp"cf fklqp."uchh"tgegkxgf "c"pgo kpcvqp"htq"qpg"pgy "eqo o wplk { "y cv"  
y cu"pqv'r tgxkqwu { "kpemf gf "kp"y g"rkv"qh"eqo o wplkgu"eqpukf gtgf "kp [ gct"3."dtkpi kpi "y g"  
vqcn"vq"74"eqo o wplkgu"eqpukf gtgf "kp [ gct"40"Vj gug"eqo o wplk { "dqwpf ctkgu"uj qwf "dg"  
eqpukf gtgf "r tgrko kpct { ."cpf "y g"ur gekle" dqwpf ctkgu" o c { "ej cpi g" y kj "Eqo o wplk { "  
Uygtkpi "Eqo o kwgg"lpr w0J qy gxgt."y gug"y gtg"y g"dqwpf ctkgu"y cv"Uqwj "Eqcu"CS O F "  
uchh"wgf "kp"qtf gt "vq"eqo r rvg"y g"gej pkecn"pcn { uku"htq"eqo o wplk { "r tkqt kkl cvkqp0"  
"



**Figure 3.** "O cr "uj qy kpi "y g"r tgrko kpct { "dqwpf ctkgu"qh"y g"eqo o wplkgu"wpf gt" eqpukf gtcvqp"

"

UVGR"4<"K"ku"y kf gn { "tgeqi pl gf "y cv"y g"Eqcej gm"Xcmg { "j cu"o cp { "wpls wg"ck"r qmwkqp"  
kuwgu" \*g0 0" y g"Ucnqp"Ugc."ci tlewnwtcn"r qmwkqp."cpf "r ct kewnvg" o cwgt " \*RO 32+" kp"

y kpf dny p" f wuv" y cv" ctg" xgt { " f k hgt gpv" hqo " y qug" hqt " y g" UECD0' Vj gtghqtg." y g" eqo o wpkkgu"lp" y g" Ucnqp" Ugc" Ck" Dculp" \*UUCD+ "y gtg" eqpukf gtgf " kpf gr gpf gpv { " hqo " eqo o wpkkgu" lp" y g" UECD" \*74" eqo o wpkkgu" 0' Dcugf " wr qp" y g" ugrh/tgeqo o gpf cvkqp" hqto u." y q' eqo o wpkkgu' y gtg" lp" y g" UUCD<3+ " Gcugtp" Eqcej gmc" Xcng { . 'y j lej " lpenmf gu< Vj gto cn" Qcuku." O geec." P qt yj " Uj qtg." cpf " Eqcej gmc" cpf " 4+ " Ej kkeq" Uwo o k0' Vj g" Ej kkeq" Uwo o k' eqo o wpk { " ku" i gqi tcr j lecm { " ugr ctcvgf " hqo " y g" Gcugtp" Eqcej gmc" Xcng { " eqo o wpk { " d { " o qtg" y cp" 42" o kgu= " y wu." y ku" eqo o wpk { " y kn' dg" eqpukf gtgf " ugr ctcvg { 0"

UVGR'5< Vq' r tkqt k k g' 74" eqo o wpkkgu"lp" y g" UECD. " uclh' k f gpv k g f " y g' egpuwu" tcev' y kj kp" gcej " eqo o wpk { " y kj " y g' j ki j guv' r gtegpv k g " ueqtg" hqt " EcrGpxkq Uetggp" 50" cpf " O CVGU" KX0' Vj g" hqmy kpi " uetggp kpi " etkgtk " y cu' cr r k g f " hqt " y g" UECD" eqo o wpkkgu">

UECD" etkgtk < "

c+ J cu" qpg" qt " o qtg" egpuwu" tcev\* u" y kj " c" EcrGpxkq Uetggp" 50" ueqtg" lp" y g" vqr " 7' " uvcgy kf g= " CP F "

d+ O CVGU" KX" ct " vqzku" epegt " tkum' lp" y g" vqr " 72' " lp" y g" Uqwj " Eqcuw" CS O F " lwtkuf kevqp" "

Vj ku" ugr " r tqxkf gu" c" hqewu" qp" y g" o quv" j gcxk { " dwtf gpgf " eqo o wpkkgu" 0' Ukeg" EcrGpxkq Uetggp" lpenmf gu" ugxgtcn' pqp/ck " s wrk { " hcevqtu. " y g" O CVGU" o gtle " y cu' cf f gf " vq" gpuwtg" y cv' y gtg" ku" c" uki pkhecpv' ct " vqzke" dwtf gp" cf f tguugf " d { " ct / tgrv g f " o gcuwtgu" wpf gt " CD" 8390C " vqcn' qh" 54" UECD" eqo o wpkkgu" o gv' dqj " y gug" uetggp kpi " etkgtk. " y kj " 4; " qh' y gug" eqo o wpkkgu" eqpukf gtgf " hqt [ gct " 40"

UVGR'6< Vq' hwt y gt " r tkqt k k g" co qpi " y g" 54" j ki j " r tkqt k { " eqo o wpkkgu" lp" y g" UECD. " y g" hqmy kpi " cf f k k qpcn' hcevqtu' y gtg" eqpukf gtgf < "

c+ Ugrh/tgeqo o gpf cvkqp u' tgegkxgf = "

d+ Rcuw' qt " ewt tgpv' ct " o qp kqt kpi " uwf { " hkp f kpi u= "

e+ Rcuw' qt " ewt tgpv' eqo o wpk { " r rcpu= " cpf "

f+ Uej qqn' r tqzko k { " o gtle " lp" y g' j ki j guv' ecvgi qt { 0' "

Co qpi " y g" 54" eqo o wpkkgu" lp" y g" UECD " y cv' o gv' y g" Ugr " 5" uetggp kpi " etkgtk " \* lpenmf kpi " [ gct " 3" eqo o wpkkgu+ " y gtg" y gtg" 36" eqo o wpkkgu" y cv' j cf " y q" qt " o qtg" qh' y gug" hcevqtu" cpf " ugxgp" cf f k k qpcn' eqo o wpkkgu" y cv' j cf " c" ugrh/tgeqo o gpf cvkqp' tgegkxgf " qp" qt " r tkqt " vq" Lxpg" 52. " 423; 0' Vj gug" 43" eqo o wpkkgu" ctg' tgeqo o gpf gf " vq" dg" eqpukf gtgf " hqt [ gctu " 4/7" qt " 4/9. " f gr gpf kpi " qp" cxckrdng' tguqwtegu 0' Vj g' tgo clp kpi " 33" eqo o wpkkgu" y cv' j cf " l gtq" qt " qpn { " qpg" hcevqt. " dw" y gtg" pqv' ugrh/pqo kpcvgf . " ctg" tgeqo o gpf gf " hqt " ko r ngo gpvcvqp" lp" [ gctu " 8- 0"

UVGR'7< Kp" tgeqo o gpf kpi " [ gct " 4" eqo o wpkkgu. " uclh' gxcnvcvgf " y g" eqo o wpk { ku" tgc f kpguu' hqt " ko r ngo gpv kpi " CD" 8390' Vj ku' lpenmf gu' y g' v { r gu' qh' tguqwtegu' y cv' ctg' citgcf { " cxckrdng" lp" y g" eqo o wpkkgu" y cv' y qwf " eqpvtkdwg" vq" y g" tcr kf " cpf " uweeguuhw"



ko r ngo gpvcvqp" qh" ckt" o qpkaqtapi " cpf " eqo o wplv{ " go kuukapu" tgf wevqp" r ncpu0 Vj gug" kpenmf g'ctgcu'y j gtg"Uqwj 'Eqcu'CS O F "crtgcf { "j cu'r megf "o qpkaqtapi "tguqtegu."y j gtg" r tgxkqu" go kuukapu" tgf wevqp" ghqtu" j cxg" qeewt tgf . " cpf " y j gtg" cff kkpapcn' tguqtegu" cxckndrg" yj tqwi j 'CD'839' y qwf "gzr gf kg" ckt' s wcrkv{ 'ko r tqxgo gpw'lp" yj qug"eqo o wplvku0 Qvj gt" eqpukf gtcvqp" kpenmf g" j cxkpi " dtqcf/dcugf " eqo o wplv{ " uwr r qtv." hcevqtu" f go qpucvapi 'eqo o wplv{ 'tgc f kpguu."cpf 'i gqi tcr j le'f kxgtukv{ ."y kj 'ur gekn'eqpukf gtcvqp" hqt"eqo o wplvku" yj cv'eqwf "ugt xg"cu'o qf gnu'hqt' hwwt g'CD'839'eqo o wplvku'lp'Ecrkhtpkc0 Uwe j "etkgtk'ctg"eqpukv'p'y kj "yj g'ucvgy kf g'i wlf cpeg'r tqxkf gf "d{ 'ECTD0"

Hqt" yj g'r tkqtkk cvkqp." yj g'o czko wo "egpuwu'tcevu'eqtgu'hqt'EcrGpxktQ Uetggp'502.'O CVGU" KK."cpf " yj g'uej qqn'r tqzko kv{ "o gtle"y gtg" wugf 0C "ugpukxkv{ "cpn{uku" wupki " yj g'cxgtci g" qh"gej "o gtle"y kj kp"gej "eqo o wplv{ "y cu'cnuq"eqpf wevgf 0O qtg"lphqto cvkqp"cdqww'y ku" cpen{uku" cpf " yj g" xcnu" hqt" yj g" r tkqtkk cvkqp" hcevqtu" hqt" cm' eqo o wplvku" wpf gt" eqpukf gtcvqp" hqt"CD'839'ko r ngo gpvcvqp"ecp"dg" hqwpf "lp" yj g"423: "tgr qt v'vq'ECTD0"

## Recommendations

Tgeqo o gpf gf "ko r ngo gpvcvqp"Uej gf wrg" %f gct'4." [ gctu'5/7"qt'5/9." [ gctu'8- + " Vcdrg'5"cpf 'Hki wtg'b'kpenmf g'yj g'lpkknitgeqo o gpf cvkpu'hqt" yj g'ko r ngo gpvcvqp"uej gf wrg" hqt"cm'Uqwj 'Eqcu'CS O F "eqo o wplvku"wpf gt"eqpukf gtcvqp" hqt"CD'839'ko r ngo gpvcvqp0 Vj ku'ko r ngo gpvcvqp"uej gf wrg"ku'uwdlgev"vq"ej cpi g'lp"uwdugs wgpv'{ gctu"qh'yj g'r tqi tco "cu" cff kkpapcn' lphqto cvkqp" dgeqo gu"cxckndrg" yj cv'o c{ "ej cpi g" yj g'r tkqtkk cvkqp0 "

**Table 3.** Nku'qh"cm'Uqwj "Eqcu'CS O F "eqo o wplvku"wpf gt"eqpukf gtcvqp" hqt"CD"839" ko r ngo gpvcvqp" \*i tqwr gf " d{ " tgeqo o gpf gf " ko r ngo gpvcvqp" vko ghtco g." yj gp" lp" cnr j cdg'v'ecn'qtf gt."d{ "Eqwpv{ +0Vj ku'ku'f qgu"pqv'kpenmf g" yj g'eqo o wplvku"ugrgev" hqt" [ gct'30

<p><b>Communities Recommended for Year 2:</b></p> <p><u>LOS ANGELES COUNTY</u></p> <ul style="list-style-type: none"> <li>South Gate, Florence-Firestone (east), Walnut Park, Huntington Park (west), Cudahy, Bell Gardens (south)*</li> </ul> <p><u>RIVERSIDE COUNTY</u></p> <ul style="list-style-type: none"> <li>Eastern Coachella Valley: Indio, Coachella, Thermal, Oasis, Mecca, North Shore*,†</li> </ul>
<p><b>Communities Initially Recommended for Years 3-5 or 3-7*:</b></p> <p><u>LOS ANGELES COUNTY</u></p> <ul style="list-style-type: none"> <li>Compton, Rancho Dominguez, Willowbrook, Lynwood, Watts*</li> <li>Maywood, Commerce (east), Vernon, Bell, Bell Gardens (north)*</li> <li>El Monte, South El Monte, Avocado Heights, Hacienda Heights, La Puente (west), Bassett</li> <li>Gardena, Alondra Park, Lawndale</li> <li>Inglewood, Hawthorne, Westmont, Vermont*,†</li> <li>Pacoima, North Hollywood, Sun Valley, San Fernando Sylmar</li> <li>Paramount, North Long Beach</li> </ul>

- South Los Angeles, South Central Los Angeles, Hyde Park
- Torrance
- Westlake, Korea Town, Midcity, Mid-Wilshire<sup>†</sup>

#### RIVERSIDE COUNTY

- Corona, Temescal Valley
- Mira Loma, Jurupa Valley, Eastvale, Pedley
- Central and East Riverside, Rubidoux
- Chiriaco Summit<sup>\*,†</sup>

#### SAN BERNARDINO COUNTY

- Bloomington, Fontana, Rialto
- Colton, Grand Terrace, San Bernardino (southwest)
- Rancho Cucamonga, Ontario (east)

#### ORANGE COUNTY

- Buena Park, Anaheim, Fullerton, Orange<sup>\*,†</sup>

#### **Communities Initially Recommended for Years 6+:**

##### LOS ANGELES COUNTY

- Azusa, Duarte, Monrovia, Arcadia, North 605
- Canoga Park, Northridge, Reseda, Van Nuys, Panorama City, Winnetka, Tarzana
- East Culver City, East Palms
- Downey, Bellflower, North Lakewood, North Cerritos
- Downtown Los Angeles<sup>\*</sup>
- Central and South Glendale, Burbank
- Hollywood, Los Feliz, Atwater Village, Echo Park, Silver Lake
- La Puente, Covina, West Covina, Baldwin Park
- East Long Beach
- LAX, Lennox, El Segundo
- Montebello
- Pasadena near I-210
- Porter Ranch
- San Gabriel, Rosemead, Monterey Park, South Alhambra
- San Pedro, Harbor City (east)
- Santa Fe Springs, Norwalk, West Whittier, Los Nietos, Pico Rivera

##### ORANGE COUNTY

- Costa Mesa
- Huntington Beach
- La Habra
- Santa Ana
- Westminster, Garden Grove, Stanton

##### RIVERSIDE COUNTY

- Beaumont
- Hemet, San Jacinto
- Lake Elsinore

- Moreno Valley
- Perris, Nuevo
- West Riverside

#### SAN BERNARDINO COUNTY

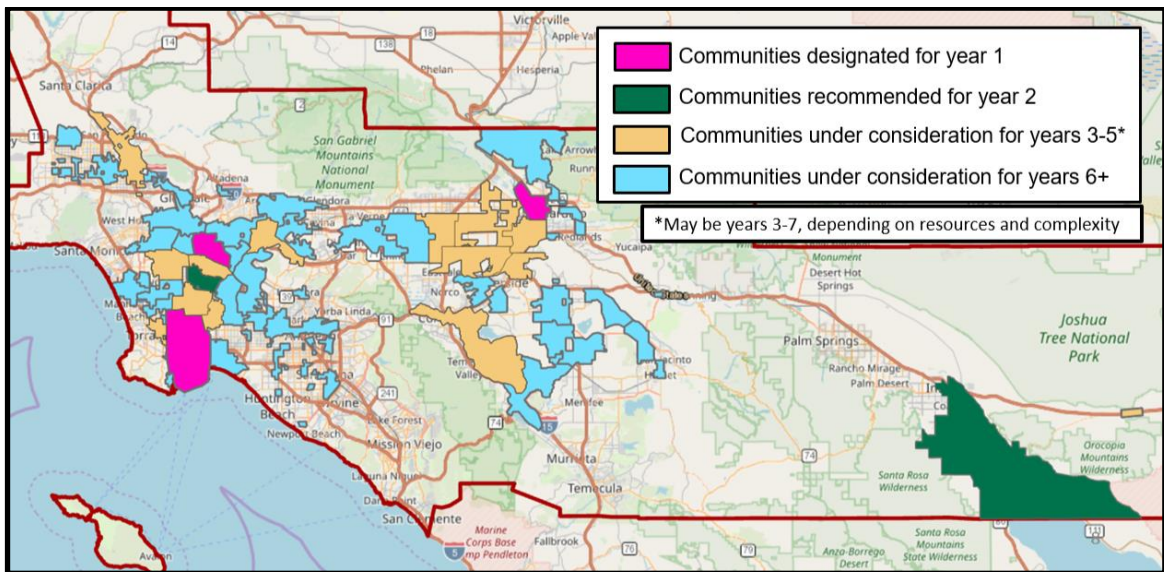
- Highland, Crestline
- Redlands, Loma Linda

#### CROSS-COUNTY

- Cerritos, Artesia, La Mirada, Hawaiian Gardens\*
- West Ontario, Montclair, Upland, Claremont (south)
- Pomona, Chino, East Walnut, San Dimas (south)

, Vj g"eqo o wplk{ "j cu"dggp"cf f gf "cpf lqt"uqo g"dqwpf ct { "cf lwuwo gpw'y gtg'o cf g"dcugf "qp" pgy "kphqto cvkqp"

^Vj g"eqo o wplk{ "j cu"ej cpi gf "r tkqtkk cvkqp" vgt" dcugf "qp" pgy "kphqto cvkqp" \*g0 0' yj g" eqo o wplk{ "y cu"wpf gt"eqpukf gtcvqp" hqt" { gctu"8- "cpf "pqy "k'ku"dgkpi "eqpukf gtgf "hqt" { gctu" 5/7+" "



**Figure 4.** "O cr "uj qy kpi "yj g" [ gct "3"eqo o wplkku"cpf "yj g"tgeqo o gpf gf "ko r ngo gpwcvkqp" uej gf wg" hqt "yj g"tgo ckpki "74"kf gpwkkkf "eqo o wplkku" "



Ego o wplkkuTgeqo o gpf gf 'hqt' l gct '4' k r ngo gpvcvkp "

Dgmjy 'ku' yj g' uwo o ct { 'qh' yj g' tgeqo o gpf gf 'eqo o wplkku' hqt' l gct '4' k r ngo gpvcvkp0 "

**South Gate, Florence-Firestone (east), Walnut Park, Huntington Park (west), Cudahy, Bell Gardens (south) (Figure 5)-"**

Vj ku'eqo o wplk { 'y cu' tgeqo o gpf gf "cpf "cr r tqxgf "d { "y g" I qxgtpkpi "Dqctf "hqt" l gct "3" eqo o wplk { 'ugrgevqp' k' 423: 0J qy gxgt. 'y ku'eqo o wplk { 'y cu' pqv' f guki pcvgf "d { 'ECTD' k' 423: . "f wg" v' rko k' gf "tguqtegu0' Vj ku'eqo o wplk { "gpeqo r cuugu" yj g' wplpeqtr qtcvgf "Nqu" Cpi grgu' Eqwpv { 'pgi j dqtj qqf u' qh' Hqt gpeg/ Ht guvpg\* gcuvgt p' r qt vkp + "cpf "Y c' pw' Rctm" cu' y gmi' cu' yj g' ekv { "qh' Uqwj "I cvg. "y g' y guvgt p' r qt vkp "qh' J wplkpi vqp "Rctm" yj g' uqwj gtp " r qt vkpu" qh' Dgm' I ctf gpu' cpf "cm' qh' Ewf c' j { 0' Vj ku' Uqwj "Gcu' Nqu" Cpi grgu' eqo o wplk { " kpen' f gu' r ctv' qh' yj g' Cmo gf c' Eqttkf qt. "cp' kpf wutken' ctgc' y kj "c' ecti q' tckl' kpg' yj cv' kpmu" yj g' r qt wu" ctgc' v' yj g' tckl' kpgu' pgct " f qy p' qy p" Nqu" Cpi grgu' Vj gt g' ctg" tgu' k' gpv' ken' pgi j dqtj qqf u' cpf "uej qqu" qp' dqy "ukf gu' qh' yj g' Cmo gf c' Eqttkf qt0' k' cf f k' kqp. "y gt g' ctg" ugxgtc' k' kpf wutken' ctgc' u' k' yj g' gcuvgt p' r qt vkp "qh' yj g' eqo o wplk { 'cu' y gmi' cu' yj g' 932' ht ggy c { . " c' j gcxk { "tch' h' engf "t' wem' tqwg0' Vj ku'eqo o wplk { "j cu' xgt { "j ki j "ueqtgu' hqt' dqy "O CVGU" KX" cpf "EcrGpxk' q' Uetggp' 50. "kpf k' cv' kpi "y cv' yj ku' ctgc' j cu' c' j ki j "ck' v' qz' k' u' dwtf gp. "cu' y gmi' cu' k' o r cew' ht qo "qy gt "gp' x' k' qpo gp' v' n' r qm' w' k' p. "r wdrk' "j gcmj "dwtf gpu. "cpf "uqekn' cpf " geqpqo k' f' k' cf x' p' v' ci gu0 "

Vj gt g' j c' xg' dggp' uqo g' o k' pqt "cf l' uwo gpw' v' yj g' r' tq' r qugf "eqo o wplk { "dqwpf ct { "tgr' v' k' x' g" v' yj g' l gct "3" tgeqo o gpf cvkqp "v' j gr "h' ewu" qwtgcej "cpf "cev' k' pu0' Vj g' gcuvgt p' r ctv' qh' Uqwj "I cvg' u' j ctgu' ckt "r qm' w' k' p "uq' wtegu' y kj "Dgm' I ctf gpu' cpf "Ewf c' j { . "uwej "cu' yj g' 932" eqttkf qt. "y j k' ej "ku' yj g' dcuku' qh' yj ku' i' tqw' kpi 0' Vj g' l gct "3" eqo o wplk { "qh' Gcu' Nqu" Cpi grgu. " Dq { rg' J gki j w. "Y guv' Eqo o gteg' h' k' p' c' k' gf "yj gk' "eqo o wplk { "dqwpf ct { . "y j k' ej "kpen' f gu' yj g' y guvgt p' r ctv' qh' Eqo o gteg' k' p' yj g' k' o r c' evgf "Eqo o wplk { "Ctgc' cpf "yj g' pqt' yj gtp' r qt vkpu' qh' Xgtppp' k' p' yj gk' "Go ku' k' apu' Uwf { "Ctgc0' Xgtppp' y cu' qtki k' pcm { "i' tqw' gf "y kj "Eqo o gteg" cpf "O c { y qqf . "uq' yj g' r qt vkpu' qh' yj ku' eqo o wplk { "yj cv' tgo c' k' p' ch' vgt' tgo q' x' kpi "yj g' l gct "3" eqo o wplk { "ctgc' ctg" tgr' v' k' x' gn { "uo cm0' I gqi tcr j k' cm { . "O c { y qqf . "yj g' uqwj gtp' r ctv' qh' Xgtppp. "cpf "yj g' gcuvgt p' r ctv' qh' Eqo o gteg' ctg' p' qy "i' tqw' gf "y kj "Dgm' cpf "Dgm' I ctf gp" \*pqt' yj + "cu' yj g { "uj ctg' uko k' rct "ck' r qm' w' k' p "ku' wgu. "uwej "cu' j gcx { "kpf wutken' uq' wtegu0 "

Uqwj "Eqcu' CS O F "uclh' j c' xg' gucd' r' kuj gf "utqpi "y qtnkpi "tgr' v' k' p' u' j k' r u' y kj "dqy "yj g' ci gpek' u" cpf " qti c' p' k' cv' k' pu" yj cv' ugtxg" yj ku' eqo o wplk { . " y j k' ej " f go qp' ut' cv' gu" yj g' eqo o wplk { u' t' gcf k' p' guu' hqt' yj g' CD' 839' r tqi tco 0' k' 4239" cpf "423: . "Uqwj "Eqcu' CS O F " uclh' eqm' d' qtcvgf "y kj "yj g' Nqu" Cpi grgu' \*NC+ "Eqwpv { "F gr ctwo gpv' qh' Rwdrk' J gcmj "cpf " yj g' Nqu" Cpi grgu' Eqwpv { "F gr ctwo gpv' qh' Tgi k' p' cn' R' c' p' p' kpi "k' p' yj g' Eqo o wplk { "Tkum' Tgf w' evk' p' k' k' k' v' k' x' g" cpf "yj g' k' p' f wutken' Wug' Vcun' Hqt eg. "dqy "k' p' yj g' Hqt gpeg/ Ht guvpg" ctgc0' Cu' r ctv' qh' yj ku' gh' h' q' t' v' uclh' r ctv' k' r cvgf "k' p' eqo o wplk { "o gg' v' kpi u. "lq' k' p' v' k' pur ge' v' k' p' gh' h' q' t' w. "cpf "qy gt "eqm' d' qtc' v' k' x' g" gh' h' q' t' w' y kj "yj g' Eqwpv { 0' T gr t' gup' v' k' x' gu' ht qo "yj gug' NC" Eqwpv { "F gr ctwo gpw' ctg" ewt' t' gpv { " ugt' x' kpi " qp" yj g' CD" 839" Eqo o wplk { " Ugg' t' kpi " Eqo o k' w' ggu' hqt' y' q" l gct "3" eqo o wplkku' k' p' NC" Eqwpv { . " cpf " j c' xg' dggp" gpi ci gf " yj tqwi j qw' yj ku' r tqegu0' T gr t' gup' v' k' x' gu' ht qo " yj g' Eqwpek' i' qh' O gz' k' ecp' Hgf gtc' v' k' pu "

\*EQHGO + "j cxg" cnuq" dggp" cevkxg" r ctvlekr cpw" qp" vj g" CD" 839" Ego o wpxv{ " Ugggtlpi " Ego o kwgg. "cpf "cnuq" gzt tguugf "vj gkt "uwr r qtv" hqt "dtlpi lpi "vj g" CD" 839" r tqi tco "vq" vj g" Uqwj "Gcu'Nqu'Cpi grgu"eqo o wpxv{ 0

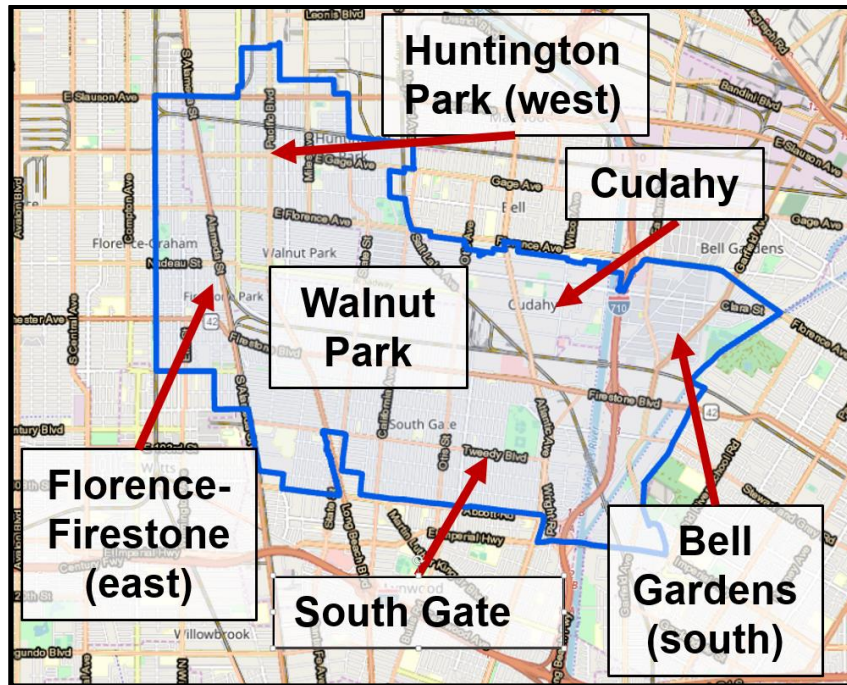
"

Vj tqwi j " ugrh/tgeqo o gpf cvkqp" hqto u. " cffklkqpcn' kphqto cvkqp" y cu" r tqxkf gf " vq" f go qpuctcvg"eqo o wpxv{ 'tgcflpguu'hqt"vj ku'r tqi tco 0Vj ku'kpenmf gu"eqo o wpxv{ /rgf "ghhqtvu" vq" cff tguu"ck" r qmwkqp" cpf "tgrcvf " gpxktqpo gpvcn'kuuwgu0Vj g" Uqwj "I cvg" Ego o wpxv{ " Gpxktqpo gpvcn'J gcni "Cevkqp" Vgco " \*EGJ CV+" y qtmu" vq" gpi ci g" cpf "gf wecvg" vj g" mrecn' eqo o wpxv{ " cpf "kf gpvkh{ " cpf "c f f tguu" gpxktqpo gpvcn'j gcni "kuuwgu0EGJ CV" j cu" j gr gf " qti cpk g" gf wecvkqpcn'y qtmij qr u'qp' lpf qqt" cpf "qwf qqt" ck' s wcrkv{ . "cti gwgf "ng{ "mrecvqpu" hqt "ōP q" K r lpi ō. "cpf "ko r ngo gpvgf "vj g" WLU0GRC "Hrci "Rtqi tco "cv" vj tgg" mrecn'uej qqnu0 Hwtj gto qtg. "EGJ CV" eqmcdqtcvgf "y kj "Uqwj "Eqcu'CS OF" qp" vj g" WLU0GRC "UVC T" I tcpv" vq" f kmkdwg" 4; "my "equv" ck' s wcrkv{ "o qpkqtu" vq" tgukf gpv" vq" uj qy "tgcn' vko g" ck" r qmwkqp" f cxc0kp' Cr tkn' 423; . "EGJ CV" y cu' cy ctf gf "i tcpv' hwpf lpi "htqo "vj g" Wp kxgtukv{ "qh" Ecrkhqtpkc. "Nqu'Cpi grgu" Mckugt "Rgto cpgpvg" Egpvgf "hqt" J gcni "Gs wkv{ "hqt" vj g" Uqwj "I cvg" Ckt "S wcrkv{ "Ego o wpxv{ "O qpkqt lpi "Rtqlgev. "y j lej "y kn' gpi ci g" eqo o wpxv{ "o go dgtu" vj tqwi j " cff klkqpcn' ck" r qmwkqp" ugpuqt " r tqlgewu0kp' cff klkqp. "vj g" Nqu'Cpi grgu" Eqwpv{ " F gr ctvo gpv' qh' Tgi kqpcn' Rrcpp lpi " j cu" dggp" y qtn lpi " y kj " vj g" Hqtgpeg/Hkt guvpgg" eqo o wpxv{ "kp" f gxgnr lpi "vj gkt "I tggp" \ qpgu" qtf kpcpeg" vq" cff tguu" rcpf "wug" ko r cew" kp" gpxktqpo gpvcn' lwukg" ctgcu. "cpf "ku' f gxgnr lpi "c" Ego o wpxv{ "Rrcp" hqt "Hqtgpeg/Hkt guvpg0 Vj g" Ego o wpxv{ "Rrcp" ku' c' r qde{ "f qewo gpv' vj cv' r tqxkf gu' i qcu' vq" i wkg' rcpf "wug" f gekukpu" cpf "kpenmf gu" vj go gu" vj cv' ctg" eqpi twgpv' y kj "CD" 839" uwej "cu" gpxktqpo gpvcn' lwukg. " hwpf lpi . "cpf "i tcpu0"

"

Tgeqo o gpf cvkqpu" tgegkxgf "kp" 423; "hqt" vj ku' eqo o wpxv{ "kpenmf gf "pqo kpcvqpu" htqo "vj g" Ecrkhqtpkc "F gr ctvo gpv' qh' Rwdike" J gcni . "o go dgtu' qh' EGJ CV. "o go dgtu' qh' Rj { ukekpu' hqt" Uqekn' Tgur qpukdkkv{ "ō" Nqu'Cpi grgu. "o go dgtu' qh' EQHGO . "cpf "b go dgtu' qh' Ego o wpxv{ gu" hqt "c" Dgwgt "Gpxktqpo gpv' \*EDG-0"

"



**Figure 5.** "O cr 'uj qy kpi 'y g'r tgrko kpc{ 'eqo o wplv{ 'dqwpf ct{ 'qh'Uqwj 'I cvg.'Hqt gpeg/Hkt guvpg\*gcuv+.'Y cipw'Rctm'J wplv qv'Rctm'y guv+.'Ewf cj {.'Dgm'I ctf gpu\*ujwj +"

### Eastern Coachella Valley: Indio, Coachella, Thermal, Oasis, Mecca, North Shore (Figure 6): "

Vj g"Gcvgtp"Eqcej gmc"Xcmg{"ut gvej gu'htqo "y g'Ekv{ "qh'Kpf kq"vq"y g"Ucnqp"Ugc."cpf "ku" mcevgf "kp"y g"Ucnqp"Ugc"Ckt"Dculp0Vj ku"ku"cp"ctgc"y cv'kpenw gu'ugxgtcn'ekkgu"cpf "twtcn' eqo o wplkv"y kj kp"Tkxgtuf g"Eqwpv{ 0'Vj gtg"ctg"o wnkrg"uqwtugu"qh'r qmwkqp"kp"y g" tgi kqp" y cv' ctg" cuqekvgf " y kj " ci tlewwtcn' cevxxkgu." i qqf u" o qxgo gpv." kpf wwtcn' hckrkkgu'cpf 'j c' ctf qwu'y cug'hckrkkguOCpqy gt'ej ctcevgtkuke'y cvb cngu'y ku'eqo o wplv{ " wplv wg"ku"y cv'k'ku"j ki j n{ "ko rcevgf "d{ "y g"f genkpi "Ucnqp"Ugc"ngxgnu0'kpenw kpi "y g" Gcvgtp"Eqcej gmc"Xcmg{"kp"y g"CD"839'r tqi tco "y qwf "dg"cp"qr r qt wplv{ "vq" f gxgnr "c" Uqwj "Eqcu'CS OF "o qf gnhqt"ko r tqxkpi "ckt"s wcrkv{ "kp" c' twtcn"wpf gtugt xgf "eqo o wplv{ 0"

Uqwj "Eqcu'CS OF "uclh'j cxg'eqmcdqtcvgf "y kj "qti cplk cvkpu'y cvlgt xg'y ku'eqo o wplv{ ." cpf "y gtg"j cxg"dggp"ugxgtcn'eqo o wplv{/ngf "ghqt w"lp"y g"Gcvgtp"Eqcej gmc"Xcmg{"vq" cff tgu'ckt'r qmwkqp"cpf "tgrcvf "gp xkqpo gpwnkuwgu"kp"y g'tgi kqp0Kp'Hgdtwct{ "423: ."y g" Gcvgtp"Eqcej gmc"Xcmg{"y cu'cy ctf gf "c'r mppkpi "i tcpv"vq'tgf weg"i tggpj qwug"i cugu'cpf " gzt cpf "chqt cdrng"j qwulpi "qr vqpu'y tqwi j "y g"Gcvgtp"Eqcej gmc"Xcmg{"Cevkp"Rncp'hqt" Erko cvg"Tkukl gpeg0Ukpeg"4238."Uqwj "Eqcu'CS OF "uclh'j cxg"dggp"eqmcdqtcvki "y kj " Ego k2 "Ekxleq" F gn'Xcmg\*"EEX+."c"eqo o wplv{ "dcugf "qti cplk cvkqp."qp" gf wecvkpi "y g" Gcvgtp" Eqcej gmc" Xcmg{" eqo o wplv{ "qp" y g" wug" cpf " cr r nckcvkpu" qh" Rwr rgCkt" ugpqu."y tqwi j "c"WUOGRC"UVCT'I tcp0'

Vj gtg"ctg"vj tgg"ugpuqtu"ewttgpn{ "lpucmgf"lp"vj ku"eqo o wpkv{ .y kj "cf fklqpcn"j kvqtkecn' f cwc"htqo "4238"cpf "4239"cv'hqwt"qvj gt"ukgu"y kj lp"vj g"Gcuvgtp"Eqcej gmc"Xcmg{0'Uqwj "Eqcu"CS OF "uvch"j cxg"dggp"mipi /ko g"r ctvlekr cpvu"lp"vj g"Ucnqp"Ugc"O cpci go gpv' eqo o kvggu."ewttgpn{ "j gcf gf" d{ "vj g"Ecnkhtpkc" P cwtcn'T guqwtegu" Ci gpe{ ."cpf "ctg" ewttgpn{ "qp"vj g"Uelgpeg"cpf "Ck" S wcrkv{ "Eqo o kvggu"vq"r tqxkf g"lpr w'qp"vj g"Ucnqp"Ugc" 32" {gct" r ncp0' kp" cf fklqp." uvch' tgi wcrn{ " r ctvlekr cvg" lp" vj g" Eqcej gmc" Xcmg{ " Gpxktqpo gpvcn'Lwuleg"VcunHqteg"o ggkpi u0

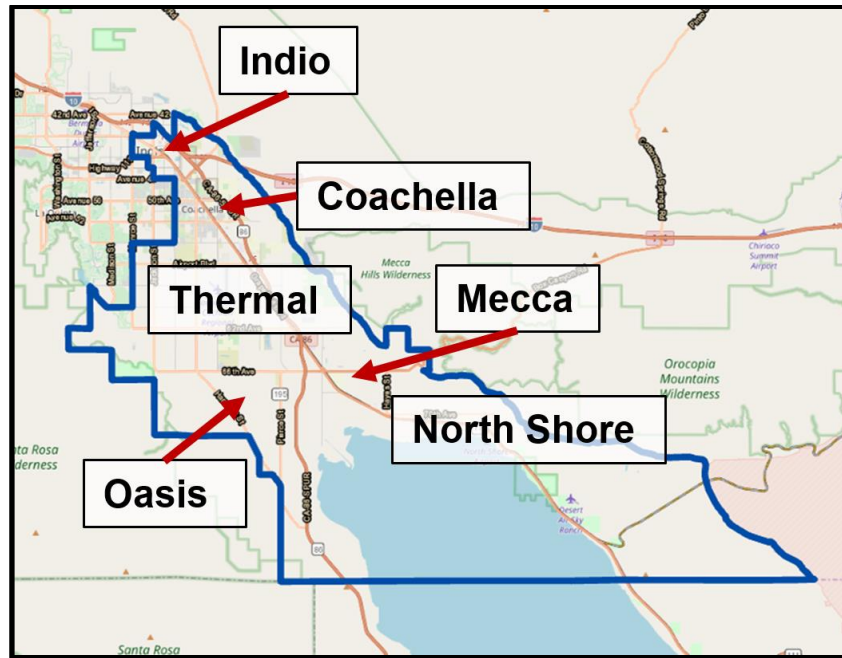
Kp"423; .vj g'EEX"eqmcdqtcvgf"y kj "Rtqo qvqtgu"Eqo wpkctkqu'f grF gukgvq."c'eqo o wpkv{ " j gcmj "qti cpl cvkqp."cpf "Nc" Wpkqp"J ceg" Nc" Hwt| c \*Nc" Wpkqp+."cp" gpxktqpo gpvcn'cpf " hcto y qtngt"lwuleg"qti cpl cvkqp."lp"vj g"Eqcej gmc"Xcmg{ ."vq" gucdkuj "vj g"K gpvkh{ kpi " Xkqrckpu"chgevkpi "P gki j dqtj qqf u"\*KXCP +Eqcej gmc"pgy qtn0'Vj g"KXCP"pgy qtmj cu" dggp" uweeguhwri" lp" ugewtkpi " &39" o krikqp" lp" lpxguo gpvu" lp" r tqlgeu" dgpghkpi " gpxktqpo gpvcn'lwuleg"eqo o wpkkgu"vj tqwi j qw"vj g"Eqcej gmc"Xcmg{0' Vj gug"r tqlgeu" kpenwf g"&72"b krikqp"lp"CD"353: "b kki cvkqp"hwf kpi "ko r ngo gpvgf"vj tqwi j "vj g"Uqwj "Eqcu" CS OF 0EEX"cnq"eqmcdqtcvgf"y kj "r tkxcvg"gpvgr tkugu"vq"gpwgt"vj cv'r tqlgeu"y gtg'hwri{ " f gxgnr gf"cpf "vj cv'lpxguo gpvu"dgpghkgf"vj g"Gcuvgtp"Eqcej gmc"Xcmg{0'

Vj gug"r tqi tco u'f go qpwtcvg"vj g'eqo o wpkv{ au'cdkri{ "vq"r ctvpgt"y kj "mqecn'tgi kpcn'cpf " ucvg'ci gpeku"vq"hxgtci g"vj g'tguqwtegu'pgeguuct { "vq'cf xcpeg" gpxktqpo gpvcn'r wdrke'j gcmj " cpf "geqpqo le"qr r qtwpkv{ "lp"vj g'tgi kqp."y j lej "ku'pgeguuct { "hqt"lweeguhwriko r ngo gpvcvqp" qh"CD"839"eqo o wpkv{ "r ncpu0'

Tgeqo o gpf cvkpu"tgegkxgf "lp"423; "hqt"vj ku"eqo o wpkv{ "kpenwf gf "pqo kpcvqp"r cengvu" htqo "vj g'hqmjy kpi "vy q'i tqwu"qh"qti cpl cvkpu"

30 Qhleg'qhCuugo dn{ o go dgt'Gf wctf q'I cteku.u. Qhleg'qhHqwtvj "F kntlevUwr gt xkuqt" X00 cpwgn'Rgtgl . "Qhleg'qh"Ugpcvt "Lgh"Uqpg. "Egpvt" hqt "Eqo o wpkv{ "Cevkqp"cpf " Gpxktqpo gpvcn'Lwuleg"\*EECGL±. "EC" Kpukwag" hqt "T wcrnUwf lgu. "F gugt vJ gcmj ectg" F kntlev" cpf " Hqwpf cvkqp." Ek{ " qh" Eqcej gmc." Cwf qdqp" Ecnkhtpkc." Wpkqp" f g" Rqrpequ. "Tkgtukf g" Wpkxgtukv{ "J gcmj "U{ uvg "Rwdrke"J gcmj +. "Mqwpnwg{ "F guki p" Kpkcvxg"MF K±. [ qwj "Ngcf gtuj kr "Kpukwag"± [ NK±. "Ngcf gtuj kr "Eqwpugn' hqt "Lwuleg" ( "Ceeqwpvcdkri{ ." Nqo c" Nkpf c" Wpkxgtukv{ "Uej qqn'qh"Rwdrke"J gcmj . "Rwgdni" Wpkf q" EFE." Vqttgu" O ctvpgl " F gugt v" Ecj wkr " Kpf kpu." cpf " Nkgtgu" Eco r gukpcu." eqo o wpkv{ "tgukf gpvu"qh" Gcuvgtp"Eqcej gmc"Xcmg{0'

40 Eqcej gmc" Xcmg{ " Wpkhgf " Uej qqn' F kntlev." Eqo kvg" Ekxleq" F grn' Xcmg" \*EEX+." Eqo o wpkkgu" hqt "c" P gy "Ecnkhtpkc" \*EP E+." Rtqo qvqtgu"Eqo wpkctkqu'F grn'F gukgvq" \*REF+." Nc" Wpkqp" J ceg" Nc" Hwt| c." J gcmj " Cuuguo gpv" cpf " Tgugtej " hqt" Eqo o wpkkgu" \*J CTE+." cpf " Hcto y qtngtu" Kpukwag" qh" Gf wecvqp" ( " Ngcf gtuj kr " F gxgnr o gpv" \*HKNF +0'



**Figure 6.** "O cr 'uj qy kpi 'r tgrko kpct { 'eqo o wpkv { 'dqwpf ctkgu'qh"y j g'Gcuvgtp'Eqcej gmc" Xcmg { 'eqo o wpkv { "

## Conclusion and Next Steps

Kp" yj g" eqo kpi " o qpj u." Uqwj "Eqcu" CS O F "uchh" y km' eqpf wev' vcti gygf "eqo o wpkv { " qwtgcej " kp" yj g" [ gct" 4" eqo o wpkkgu" cpf " guxcdrkuj " c" uvgtkpi " eqo o kwgg" hqt" gcej " eqo o wpkv { 0'Uchh'y km'cnuq"eqpvkpwg"y qtnkpi "vqy ctf"ugevtpki "uwvckpgf"hwmtg"hwf kpi " hqt"ko r ngo gpvcvqp"qh"CD"839."y j lej "y km'f gvgt o kpg" yj g"gzvgpv"qh" yj g"ghqt w"\*g0 0" pwo dgt"qh'eqo o wpkkgu+"y cv'ctg'hcukdg0kp" F gego dgt"423; . 'ECTD'y km'eqpukf gt"yj gug" tgeqo o gpf cvkqu"y j gp" f guki pcvki " [ gct"4"eqo o wpkkgu" hqt"CD"839"eqo o wpkv { "r rpu." cpf " Uqwj "Eqcu" CS O F "uchh" mqmu" hqty ctf " vq" y qtnkpi " y kj "ECTD" uchh" qp" yj g" ko r ngo gpvcvqp"qh"CD"839"kp" yj gug"eqo o wpkkgu0 "

Ko r ngo gpvcvqp"equu" hqt"hwmtg" { gctu'ctg'f gr gpf gpv'qp" yj g'pwo dgt"qh'eqo o wpkkgu" yj cv' ctg'f guki pcvgf "cpf " yj g'co qwpv'qh'hwf kpi "cmqecvgf "d { 'yj g'rgi kurwtg"vq'uwr r qt v'y g'mqecr' ck" f kutlew'kp"ko r ngo gpvki "CD"839."kpenf kpi "tgrvgf "kpegpvkxg'hwf kpi 0'Uchh'y km'uggn' Dqctf "cr r tqxcndghqtg"cr r tqr tkvki "hwmtg'hwf kpi "hqt"CD"839"kh'ko r ceu'vq"Uqwj "Eqcu" CS O F æ'dwf i gv'ctg'kf gpvkhgf 0""

## Appendices

Crr gpf kz"C< Ego o wpkv { " Rtqhkrgu" hqt" Ego o wpkkgu" Tgeqo o gpf gf " hqt" [ gct" 4" Ko r ngo gpvcvqp"

Crr gpf kz"D< [ gct"4"Qwtgcej "O cvgtkenu"



# **Appendix A**

## **Community Profiles for Communities Recommended for Year 2 Implementation**



## Introduction

Vj g"eqo o wplv{ "r tqhkgu"lp"vj ku"cr r gpf kz "eqpvclp" f gvckgf "lphqto cvkqp"cdqw"vj g"eqo o wplvkgu" tgeqo o gpf gf "hqt"[ gct"4"ko r ngo gpvcvklp."vj g"hevqtu"vj cv"eqpvtkdwgf "vq"eqo o wplv{ "ugrgevklp" cpf "r tkqtkkl cvkqp."cpf "gzklvpi "qt"r tgxlqwu"eqo o wplv{ "o qpkqtkpi "cpf "tguqvtegu0Gcej "r tqhkg" hgcwvgtu"o cr "qh"vj g"cr r tqzko cvg"mcevklp"qh"vj g"eqo o wplv{ "cnpi "y kj "c"pcttcvkg" f guetkr vklp" qh"vj g"i gqi tcr j kcrictgc."ncpf "vug"ej ctcevgtkvku."uqekqgeqpqo le"hevqtu."cpf "o clqt"ckt"r qmwvklp" uqvtegu"y kj lp"qt"pgct"vj cv"eqo o wplv{ 0"Vj g"eqo o wplv{ "r tqhkgu"cnq"eqpvclp"uwo o ctkgu"qh" ur gekri'o qpkqtkpi "uwwf lgu."lpegpvkg"o gcuwtgu."cpf "tkumt gf wevklp"r tqi tco u."uwej "cu"Cuugo dn{ "Dkm" \*CD+ 47: : " Tkumt Tgf wevklp" Rncpu" [\\*j vr <ly y y Qs o f 0 qx lj qo gltwgu/ eqo r rkepeg eqo r rkepeg kqz le/ j qv ur qv cd/47: : +.](#)"r gtvpkp"vq"vj cv"eqo o wplv{ 0"Vj gug"ctg"pqv" o gcpv"vq"dg"gzj cvwvkg"rkuu."dw"o c"uwo o ct{ "qh"ng{ "r tqlgew"vj cv"Uqwj "Eqcu"CS O F "j cu" ko r ngo gpvgt "vj cv"j gr "r tqxkf g"ckt"s wcrkv{ "lphqto cvkqp"cpf lqt"ko r tqxg"ckt"s wcrkv{ "lp"vj gug" eqo o wplvkgu0

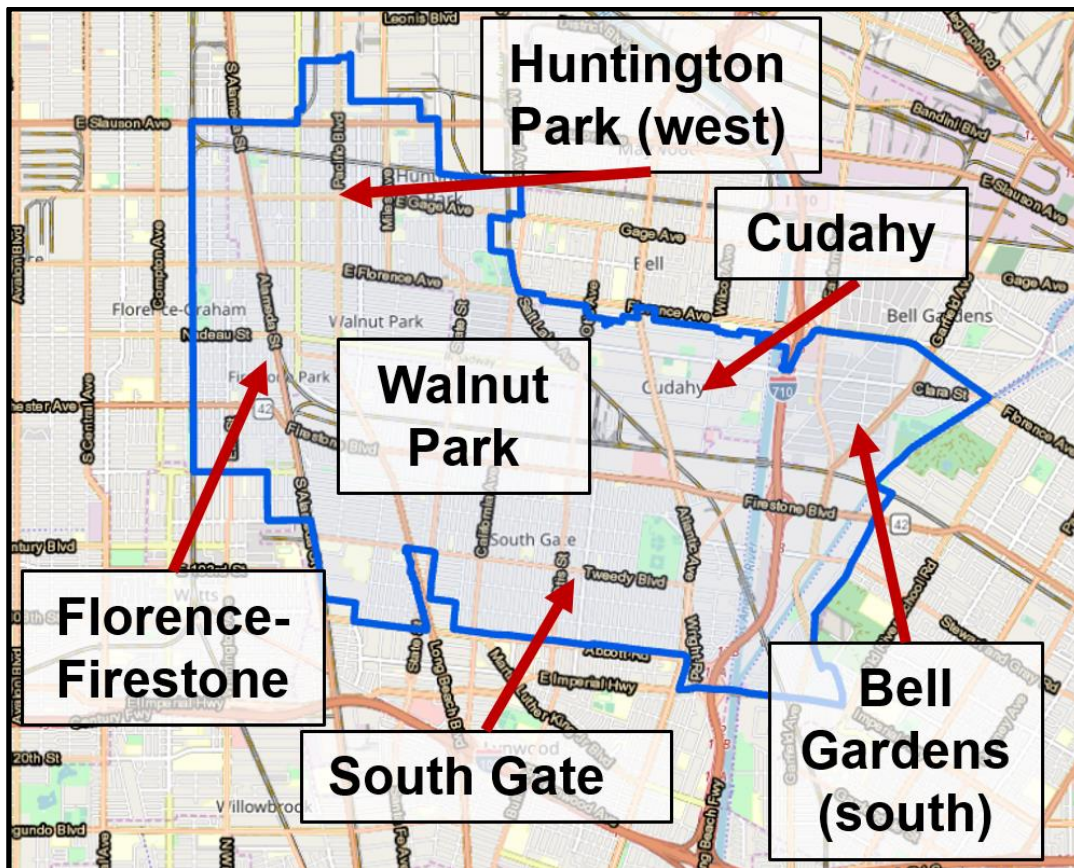
Y kj lp"gej "r tqhkg"ku"o"cdng"qh"ng{ "o gvtku"vj cvj gr gf "lphqto "vj g"r tkqtkkl cvkqp"qh"eqo o wplvkgu" hqt"vj g"CD"839"r tqi tco "ko r ngo gpvcvklp."cpf "qj gt" f guetkr vkg"hevqtu0Uqo g"o gvtku"eqpvclp" dqj "vj g"cxgtci g"xcnv"cetquu"vj g"eqo o wplv{ "cpf "vj g"o czko wo "xcnv"qh"cm"vj g"egpuwu"tcevu" y kj lp"vj g"eqo o wplv{ 0Uqwj "Eqcu"CS O F a1wtkf levkpcnxcgtci g"xcnv"ku"cnq"r tgugpvgt "lp"vj g" vdrng."vq"r tqxkf g"o"tghgtgpeg"xcnv"hqt"eqo r ctvqp0"

Gcej "eqo o wplv{ "r tqhkg"cnq"eqpvclp"o" f guetkr vklp"qh"vj g"pgctguv'tgi wrcvt{ "o qpkqt\*+:"y j lej " o c{ "dg"mcevgt "y kj lp"vj g"eqo o wplv{ "qt"y kj lp"emug"r tqzko kv{ "vq"vj g"eqo o wplv{ ."cpf "vj g" r qmwcpvu"o gcuwtgf "cv"gej "o qpkqt0C"dtkgf" f guetkr vklp"qh"r cuv"cpf "qpi qlpi "ur gekri'o qpkqtkpi " uwwf lgu"ku"cnq"r tgugpvgt "vq"j ki j ni j v"vj g"lvpf lpi u"qh"ng{ "Uqwj "Eqcu"CS O F "uwwf lgu"y kj lp"vj g" eqo o wplv{ ."cnpi "y kj "y gdr ci g"rkm"vq"tgrcvgt "lphqto cvkqp"cpf "tgr qt w0C f f klqpcm{ ."dtkgf" uwo o ctkgu"qh"r tgxlqwu"qt"ewtgpv"ckt"vqzku"tkumt gf wevklp"r ncpu"eqpf wevgt "lp"gej "eqo o wplv{ " ctg"lpenw gf 0"

## South Gate, Florence-Firestone (east), Huntington Park (west), Walnut Park, Cudahy, Bell Gardens (south)

### About this Community

Vj g"ekkgu"qh"Uqwj "I cvg."Ewf c j {."Dgm'I ctf gpu"cpf "J wv kpi vqp"Rctm"cpf "vj g"wpkpeqtr qtcvgf "pgk j dqtj qqf u"qh"Hqtgpeg/Hktguvpg"cpf "Y cipw'Rctm"ctg"qecvgf "y kj kp"vj g"Eqwv { "qh"Nqu" Cpi grgu0Vj g'r tgrko kpct { "eqo o wvk { "dqwpf ct { "kpenwf gu" c'93: 8049"cetg"ctgc"y j gtg"vj g"rpf "wug" ku"75" "tgukf gpvkn"39" "eqo o gtekn"38" "kpf wutkn"8" "tcur qtckqp."eqo o wpleckvpu"cpf " wvkv { ."208" "ci tlewnwtg."306" "xcepvtpf."7" "qr gp"lr ceg"cpf "3" "qy gt0Vj g"ctgc"j cu'r qr wvckqp" qh'43: .36: . "kpenwf kpi "vj g'hqmvy kpi "tceglvj plek { "i tqw u"J kur cple"qt"Ncvkpq"; 70 " +."Drcm'qt" Cltkecp"Co gtkecp"\*3" + "Y j kg"\*40+."Culep"\*207" + "Co gtkecp"Kpf kcp"qt"Crcum"P cvkxg"\*208" + " cpf " qy gt" tcegu" \*208" +0 Vj g" cxgtci g" r gtegpvkg" ueqtgu" hqt" vj ku" eqo o wvk { " ctg" ; 208" hqt" EcrGpxktqUetggp"508: . 90 "hqt"Uqwj "Eqcu'CS O F u'O CVGU"KX."cpf "8908" hqt "f kgun'r ctckwvrg" o cvgt0Y kj kp"vj ku'ctgc."vj gtg"ctg"44" kpf wutkn'hckkkgu"vj cvtgi wvtn { "r tqegu"ej go kcnu'wev "cu" j gzcxcrpvej tqo kwo "Et8- +."rgcf."cpf lqt"ctugple0Vj gtg"ctg"cuq"y q'tckn { ctf u."32" hckkkgu"kp" vj g"CD"47: : "eqtg'r tqi tco ."gk j v"Vkrq"X" hckkkgu."cpf "vj tgg"Uwr gthwvf "hckkkgu0



**Figure 1:** "O cr "uj qy kpi "vj g'r tgrko kpct { "eqo o wvk { "dqwpf ct { "qh"Uqwj "I cvg."Hqtgpeg/Hktguvpg" \*gcuw: "Y cipw'Rctm"J wv kpi vqp"Rctm"y guv: "Ewf c j {."Dgm'I ctf gpu"uqwj +"



## AB 617 Community Data

	Community Average	Community Maximum	Average in South Coast AQMD's Jurisdiction
<b>MATES</b>	"	"	"
MATES IV Cancer Risk [percentile]	87.9"	98.3"	43"
MATES IV Cancer Risk [add'l cancer cases per million]	1264.4"	1545.1"	897"
MATES IV non-Diesel Cancer Risk [percentile]	94.2"	99.8"	"
MATES IV non-Diesel Cancer Risk [add'l cancer cases per million]	342.2"	630.2"	"
<b>CalEnviroScreen 3.0</b>	"	"	"
Overall Score [percentile]	90.0"	99.7"	60"
Ozone [percentile]	47.0"	53"	66"
PM2.5 [percentile]	82.0"	84"	68"
Diesel Particulate Matter [percentile]	67.3"	79"	58"
Population Below Poverty Line [percentile]	83.2"	99"	53"
Age-Adjusted Asthma ER Visit Rate [percentile]	56.7"	89"	48"
Age-Adjusted Heart Attack ER Visit Rate per 10,000 [percentile]	78.5"	92"	52"
Low Birth Weight [percentile]	56.6"	97"	53"
Toxic Releases [percentile]	88.1"	94"	72"
<b>Age Profile</b>	Percentage"		"
Population under 10 years old [%]	17.4"		"
Population over 65 years old [%]	6.5"		"
<b>Diesel Mobile Sources</b>	"		"
Length of Freeways [km]	4"		"
Number of Freight Railyards	2"		"
<b>Schools and Daycares Near Industrial Sources or Freeways [score]</b>	219.4"	1755.3"	"
<b>Community Self-Nomination Received</b>	Yes"		
<b>Overall Prioritization</b>	Year 2"		

### Regulatory monitors in or near the Community

**Compton (outside of the community):** EQ."P Qz."Q5."Ngcf "Rd+."RO 407"

O qtg" kphqto cvkqp" cdqww" yj ku" uvcvqp" ecp" dg" hqwpf" cv<" j wr <1y y y Qso f Q qx lf qeulf ghcvw/ uqwtglergcp/ck/r rcpulck/s wcrk{/o qpkqtkpi /pgwy qtnr rcp0'

### Special Monitoring Studies in or near the Community "

#### Community PM Sensors Project

Vj g" WUU' Gpxktqpo gpwn' Rtqvgevkqp" Ci gpe{ " \*WUU' GRC+." Uqwj " Eqcuw' CS O F " cpf " mjecn' qti cpl cvkpu"j cxg"dggp"eqmcdqtcvki "qp"WUU'GRC"l tcpv'P wo dgt"T: 583: 6"q"gpu ci g."gf wecvg" cpf "go r qy gt"Ecnhqtplc"eqo o wplkgu"qp"yj g"wg"cpf "cr r decvku"qh"omy /equv"ck"o qpkqtkpi "

!!

!!

1

ƙƙ'cf f ƙƙqp. "Gz ƙf g'qr gtcvgu'ukz 'hgpegrƙpg'hgcf 'o qpkqtu'pgct 'y g'r tqr gtv' 'hƙpg'v'eqo r n' 'y ƙj 'y g' o qpkqtƙpi 'tgs vkt go gpw'qh'Twɔ'364280'Vj ku'o qpkqtƙpi 'j gr u'ecr wt g'f cv'qp'go ƙuƙqpu'qt' vcpur qt v'qh'tg/uwur gpf gf 'r ct vɛngu'eqpvƙƙpi 'hgcf 'htqo 'y g'Gz ƙf g'hceƙv' 0Hceƙv' 'uwt xgkmpɛg' ku' eqpf wɛvgf " y ƙɛg' r gt " y ggm' cpf " Uqwj " Eqcu' CS O F " eqpvƙpwgu' tgi wɔt " wpcppqwɛgɛf " ƙpur gevƙpu0

### **Ongoing and Prior AB 2588 Risk Reduction Plans (RRP)**

*Anadite Inc.*

Cpcf ƙɔg'ƙɛqtr qtcvgf 'ku'c'o gvcn'hƙƙj ƙpi 'hceƙv' 'mɛcvɛf 'cv'32869'I cthɛɛf 'Cxgɛwɛ'ƙp'y g'Eƙv' qh'Uqwj 'I cvg0ƙ'Qevɔdgt'4222.'y g'hceƙv' ɔTTR'y cu'cr r tqxgf .'y j ƙɛj 'y cu'uwduɔg wɛpɔv' 'hwm' ƙo r ngo gpvgf 0Vj g'o cƙp'tkumf tkxgtu'y gtg'Et8- 'cpf 'plɛngɔ

### **Other Community Plans**

ƙƙ'4239"cpf "423: ."Uqwj "Eqcu'CS O F "uɔh'eqmɔdqtɛvgf "y ƙj "y g"Nqu"Cpi grgu'\*NC+'Eqwpv' " F gr ctwo gpv'qh'Rwɔɔɛ'J gcmj "cpf 'y g"Nqu"Cpi grgu'Eqwpv' "F gr ctwo gpv'qh'Tgi ƙppcn'Rɛppƙpi 'ƙp' y g'Ego o wƙv' "TkmT gf wɛvƙp'ƙƙƙv'xg'cpf 'y g'ƙf wɔtkɛn'Wug'VcunHqteg.'dɔj 'ƙp'y g'Hqtgɛg/ Hktguɔpg'ctgc0Cu'r ctv'qh'y ku'ghqtv.'uɔh'r ctvɛɛr cvɛf 'ƙp'eqo o wƙv' "o ggƙpi u.'lqƙv'ƙpur gevƙp' ghqtv.'cpf 'qj gt'eqmɔdqtɛv'xg'ghqtv'y ƙj 'y g'Eqwpv' 0"

EGJ CV"j cu'j gr gf "qti cƙƙ g'gf wɛvƙppcn'y qtmj qr u'qp'ƙf qqt"cpf "qwf qqt"ck's wɛɛv' ."vcti gvgf " nɛ{ 'mɛcvƙpu'hqt"0P q'ƙ ƙpi 0'eco r cƙi pu.'cpf 'ƙo r ngo gpvgf 'y g'WUOGRC'Hɛi 'Rtqi tco 'cv'y tgg' mɛcn'ɛj qqn0' ƙƙ' Cr tƙi'423; ."EGJ CV"y cu'cy ctfgf "i tcpv'hwpf ƙpi 'htqo " y g'Wpƙgtuƙv' "qh' Eɛɛhqtɛɛ. "Nqu"Cpi grgu'Mɛkɔgt'Rgt o cpgɛw'Egɛvgt'hqt"J gcmj "Gs vƙv' "hqt"y g'Uqwj "I cvg'Cƙt" S wɛɛv' "Eqo o wƙv' " O qpkqtƙpi " Rtqɛv." y j ƙɛj " y ƙn' gpi ci g'eqo o wƙv' " o go dgtu' y tqwi j " cf f ƙƙppcn'ck'r qmɛwƙp'ugpuqt'r tqɛv0' ƙƙ'cf f ƙƙqp."y g"Nqu"Cpi grgu'Eqwpv' "F gr ctwo gpv'qh' Tgi ƙppcn'Rɛppƙpi 'j cu'dggp'y qtnƙpi 'y ƙj 'y g'Hqtgɛg/Hktguɔpg'eqo o wƙv' 'ƙf gxgɛɛr ƙpi 'y gk' " I tggp' \ qpgu' qtf ƙɛɛɛg' v'cf f tguu'ɛpf "wug" ƙo r cev' ƙp' gpxƙqpo gpvcn'lwɛɛg' ctgcu."cpf "ku' f gxgɛɛr ƙpi 'c'Eqo o wƙv' 'Rɛp'hqt'Hqtgɛg/Hktguɔpg0Vj g'Eqo o wƙv' 'Rɛp'ku'c'r qɛɛ{ 'f qewo gpv' y cv'r tqxƙf gu'i qcn'v' i vƙf g'ɛpf "wug'f gɛkƙqpu'cpf 'ƙɛɛv' gu'y go gu'y cv'ctg'eqpi twgɛv'y ƙj "CD" 839'uɛj 'cu'gpxƙqpo gpvcn'lwɛɛg.'hwpf ƙpi ."cpf 'i tcpw0"

# Eastern Coachella Valley

## About this Community

Vj g'Gcwgtp'Egcej gmc'Xcng{. 'utgvej kpi 'htqo 'vj g'Ekv{ 'qh'kpf kq'vq'vj g'Ucnqp'Ugc. 'ku'cp'ctgc'vj cv'kpenw gu' yj g'Ekv{ 'qh'Egcej cnc'cpf'vj g'wkpqetr qtcvgf 'ctgcu'qh'kpf kq. "Vj gto cn "O geec."Qcuku'cpf "P qtvy "Uj qtg0' Vj ku'eqo o wpkv{ 'ku'hqecvgf 'y kj kp'Tkxgtukf g'Egwpv{ 'cpf 'y kj kp'vj g'Ucnqp'Ugc'CK'Dculp0Vj g'r tgnko kpc{ " eqo o wpkv{ "dqwpf ct{ "kpenw gu'c"3; 2927043" cetg"ctgc'y j gtg"vj g'ncpf "wug"ku'30' "tgukf gpvkn"30' " eqo o gtekn'50' 'tccpur qtcvqkp."eqo o wplecvkpu'cpf 'wkvk{. '490' 'ci tlewnwtg.'cpf '450' "y cvgt.'304' " qr gp"ur ceg."630' "xcepv'ncpf "cpf "20' "qyj gt0'Vj g'ctgc"j cu'c'r qr wcvkqp"qh": 2.7; 4."kpenw kpi "vj g' hqmvy kpi 'tceglgy plekv{ "i tqw u'J kur cple"qt'Ncvkpq"; 40' + "Y j kg"; 804' + "Drcen'qt'Chkcep'Co gtlecp" \*207' + "Cukcp"; 208' + "Co gtlecp'kpf kcp"qt'Crcunc'P cvkxg"; 205' + "cpf "qyj gt'tcegu"; 206' + 0'Vj g'cxgtci g" r gtegpvkq"ueqtgu'hqt"vj ku'eqo o wpkv{ "ctg"; 950'hqt'EcrGpxkqUetggp"; 50'cpf "490'hqt"fkugni'r ctvkwrcv" o cwgt0Dgecwug"eqo o wpkvku'kp'vj g'Ucnqp'Ugc'CK'Dculp'j cxg'ck'r qmwkqp'kuwgu'vj cv'ctg'xgt{ 'f'khtgtpv' htqo 'vj qug"eqo o wpkvku'kp'vj g'UECD."vj g'etkgtkc'wugf "vq'tgeqo o gpf "vj g'ko r ngo gpcvqkp'uej gf wrg'hqt" vj ku'eqo o wpkv{ "ctg"fkhtgtpv'htqo 'vj qug'hqt"vj g'eqo o wpkvku'kp'vj g'UECD0Nqecnuqwtgcu'qh'ck'r qmwkqp" kp'vj g'Gcwgtp'Egcej gmc'Xcng{ 'kpenw g'hw kxg'f wu'htqo "eqpwtvkvq'cevkvkku."xgj kengu"qp'tqcf y c{u" \*kpenw kpi "wpr cxgf "tqcf u:"ci tlewnwtcn'dwtplki. "cpf "vj g'kpetgcugf "gZR quwtg"qh'vj g'Ucnqp'Ugc'r nc{c0' Utqpi "cpf "uwvckpgf "y kpf "eqpf kkpqu"tccpur qtv' r ctvkwrcvgu." cpf "eqpvkdwg"vq"j ki j "RO 32"rgxgn0' "



Figure 2: "O cr "uj qy kpi "r tgnko kpc{ "eqo o wpkv{ "dqwpf ctgcu'qh'vj g'Gcwgtp'Egcej gmc'Xcng{ " eqo o wpkv{ "

## AB 617 Community Data

	Community Average	Community Maximum	Average in South Coast AQMD's Jurisdiction
CalEnviroScreen 3.0	"	"	"
Overall Score [percentile]	73.7"	91"	60"
Ozone [percentile]	89.4"	91"	66"
PM2.5 [percentile]	18.4"	31"	68"
Diesel Particulate Matter [percentile]	27.5"	79"	58"
Population Below Poverty Line [percentile]	89.4"	99"	53"
Age-Adjusted Asthma ER Visit Rate [percentile]	48.4"	73"	48"
Age-Adjusted Heart Attack ER Visit Rate per 10,000 [percentile]	63.2"	81"	52"
Low Birth Weight [percentile]	45.9"	92"	53"
Toxic Releases [percentile]	4.8"	7"	72"
Age Profile	"		"
Population under 10 years old [%]	21.4"		"
Population over 65 years old [%]	6.5"		"
Diesel Mobile Sources	"		"
Length of Freeways [km]	75.2"		"
Number of Freight Railyards	0"		"
Schools and Daycares Near Industrial Sources or Freeways [score]	2.5"	249.9"	"
Year 2 Community Self-Nomination Received	Yes"		
Overall Prioritization	Year 2-5 or 2-6"		

### Regulatory monitors in or near the Community

**Indio - Jackson Street:** Q| qpg"Q5+.'RO 32.'RO 40"

**Mecca (Saul Martinez):** RO 32"

O qtg"lphqto cvkqp"cdqww"j gug"ucvqpu"ecp"dg"lhwpf"cv"j wr <ly y y 0s o f 0 qx lf qeulf ghxwv/ uqwtgclngcp/ct/r rcpulck/s wcrk/ /o qpkqtkpi /pgwy qtmr rcp"

### Special Monitoring Studies in or near the Community

#### MATES III Microscale Study – Indio

Vj g"qdlgevkg"qh"y ku"O C VGU"KKO letquecrg"uwf { "y cu"vq"fgvto kpg"lh"y gtg"y gtg"i tcf kcpw"lp" co dkgpv'rgxgnu"qh"vqzle"ct"eqpco kpcpv'dgwy ggp"eqo o wplkgu"y cv'y gtg"pqv'qj gty kug"ecr wtgf " d { "y g"hzgf "o qpkqtkpi "ukgu0'Gcej "o letquecrg"ukg"y cu'r cktgf "y kj "y g"enuguv"hzgf "ukg"lqt" eqo rctkuqp"vq"fgvto kpg"lh"vqzle"ct"eqpco kpcpv'rgxgnu"cv'y gug"o letquecrg"ukgu"ucvuklecm { " gzeggf "c"pgki j dqtiki "hzgf "ukg0'k"y ku"ecug."kpf kq"o letquecrg"ucvqpu"y cu'r cktgf "y kj "y g" tgi wrcvt { "ucvqpu"lp"Twldf qwz0'Vj g"o letquecrg"ukgu"wkrl gf "Uqwj "Eqcu"CS O F"o qdkg" o qpkqtkpi "r rclhqtu u"cpf "y gtg"ukwcvgf "pgct"ct"vqzle"go kuukqp"uqwtgu0'Xqrcvkg"qti cple" eqo rqpwf "XQE+"o gcuwgo gpw"y gtg"cnrp"ltqo "O ctej "4227"y tqwi j "O c { "4227."RO 40" o gcuwgo gpw"y gtg"cnrp"ltqo "Lcpwt { "4227"vq"O c { "4227"cpf "Vqcn"Uwur gpf gf "Rct vlcwrcvku."

: "

"

RO 32"cpf "Et8- "o gcuwtgo gpw'y gtg'vcnnp"ltqo "P qxgo dgt "4226"vq"O c{ "42270T guwnu"uj qy gf " vj cv'o cpi cpgug"j cf "j ki j gt "ngxgnu"kp"RO 32"cv"Kpf kq0'O cpi cpgug"ngxgnu"ctg"kp"i gpgtcl'j ki j gt "kp" vj g"gcuvgtp"r qt vqp"qh"vj g"F kutlev."cpf "o c{ "tghgev'eqpvtldwkqpu"ltqo "i gqmi le"uqwtegu0'P q" f khtgtgpeg" y cu" hqwpf" kp" RO 40" ngxgnu0' Hqt" o qtg" lphqto cvkqp" xkukv<  
[j wr <ly y y @s o f 0 qx lf qeulf ghcwnu/uqwtgclkt/s wrkv lct/vzle/uwf kgulo cvgu/kk0'](#)

### **Mecca Odor Study Monitoring Network**

Ukpeg"o kf/F gego dgt"4232."Uqwj "Eqcu'CS O F"j cu"tgur qpf gf "vq"pwo gtqwu"qf qt"eqo r nclpu" tgegkxgf "ltqo "vj g'O geec"eqo o wplv{0Uqwj "Eqcu'CS O F"lpxkcvgf "c'ugtkgu'qh'lpxguki cvkqu'cpf " o qpkqt kpi " cevxxkkgu." cpf " kf gpvkhgf " Y guvgt" Gpxktpo gpvcn" Kpe0' cpf " Y cuvg" Tgf vevkqp" Vgej pqmi kgu'cu'vj g'r tko ct { "uqwtegu'qh'vj g'qf qtu0'Uqwj "Eqcu'CS O F"j cu'y qtnvgf "y kj "Y guvgt" Gpxktpo gpvcn'vq'grko kpcvg'vj gkt'qkly cvgt "ugr ctcvqp'r qpf "cpf "vq'tgr nceg'kv'y kj "qp/ukg'uxqci g" wpmu0' Kp" cf f kklqp." Y cuvg" Tgf vevkqp" Vgej pqmi kgu" j cu" vgo r qtctkl " uwur gpf gf " ceegr vki " cf f kklqpclv{ /y j g{ 'r tqf wew0Uqwj "Eqcu'CS O F"j cu'tgegkxgf "c'b kpo crko qwpvqh'eqo r nclpu" ltqo "O geec"ltqo "F gego dgt"4237"vq"P qxgo dgt "4239"cpf "pq"eqo r nclpu"j cxg"dggp"tgegkxgf " ukpeg"vj gp0"

### **Salton Sea Special Monitoring "**

Vj g"Ucnqp"Ugc."mqecvgf "kp"vj g"Eqcej gmc"Xcmg{."go ku"j { f tqi gp"uwrlkf g"\*J 4U+."c"r tqf wv'qh" qti cple'f gec{ "vj cvj cu'c'tqwgp/gi i "v{r g'qf qt0Uqwj "Eqcu'CS O F"v{I qxgtpkpi "Dqctf "ecmgf "hqt" vj g"etgcvkqp"qh'c"J 4U'o qpkqt kpi "pgwy qtn'hqmny kpi "cp"lpekf gpv'vj cv'dgi cp"qp"Ugr vgo dgt"32." 4234."chgt"c'utqpi "vj wpf gtuvqto "qxgt"vj g"Ucnqp"Ugc"ur tgc'f'tqwgp/gi i "v{r g'qf qtu'hqt"b qtg"vj cp" 372'o kgu'cetquu'Uqwj gtp'Ecrkhtpk0Cu'vj g"Ucnqp"Ugc'tgeg'gu."vj g'r qvgpvcn'gzkuu'hqt"o qtg'qh" vj gug"rti g/uecrg"qf qt "gxgpw"vq"qeewt0'Kp"P qxgo dgt "4235."Uqwj "Eqcu'CS O F"uwlh'lpucmgf " vy q"J 4U'o qpkqtu"vq'lphqto "eqo o wplv{ "o go dgtu'cdqw'tgcn'vko g"J 4U'ngxgnu0'Vj g'o qpkqtu'ctg" mqecvgf "cvUcwio ctvklpgl "Grgo gpvt { "Uej qqnlp'O geec'cpf "qp"vj g"Vqttgu'O ctvklpgl "F gugtvEcj wkmr" Kpf kcp" Vtkcln'rcpf "pgct" vj g"pqt vj " gpf " qh" vj g" Ucnqp" Ugc0' Vj g" f cvc" ku" cxckrcdrg" qprkpg" cv" y y y @cnqpugc qf qt0qti."cpf "eqo o wplv{ "o go dgtu"o c{ "uki p"wr "hqt"ck"s wrkv{ "crgt v'vj tqwi j "vj g" y gdukg0Crgt v'ctg'kuwgf "y j gp"vj g"J 4U'ngxgnu'uwtr cuu'vj g"3/j qwt'Ecrkhtpkc"ucpf ctf 0"

### **Community PM Sensors Project**

Vj g"WLU'GRC."Uqwj "Eqcu'CS O F"."cpf "mqec'qti cplk cvkqu"j cxg"dggp"eqmcdqtcvki "qp"WLU' GRC"i tcpv'P wo dgt "T: 583: 6"vq"gi ci g."gf wecvg"cpf "go r qy gt"Ecrkhtpkc"eqo o wplv{ku"qp"vj g" wug"cpf "cr r nclcvkqu"qh'omqy /equo'ctk"o qpkqt kpi "ugpuqtu0'Kp"vj g"Eqcej gmc"Xcmg{."47"RO " ugpuqtu'y gtg'r tqxkf gf "vq"Eqo kg"Ekxleq"f gr'Xcmg"\*EEX+"kp"42390'Vj gug"ugpuqtu"j cxg"dggp" f kutldwgf "vq"eqo o wplv{ "o go dgtu'd{ "vj g'r ctvpgtkpi "mqec'qti cplk cvkqp"cpf "vj g{ "ctg'ewtgpv{ "kp" qr gtcvqp."b gcuwlkpi "r ctvkwrcvg"b cvgt"qp"c'tgcn'vko g'dcuku0T guwnu'y knldg'eqo o wplecvgf "vq"vj g" r wdrie" vj tqwi j " c" ugtkgu" qh" qwtgcej " cevxxkkgu0' Hqt" o qtg" lphqto cvkqp" xkukv<  
[j wr <ly y y @s o f 0 qx lcs/ur ge ltgugctej /r tqlgew0'](#)



## **Other Incentive and Community Programs**

### **School Filtration Program**

Uqwj "Eqcu/CS OF "j cu'y qtnqf "y kj "uej qqn'f knt'ew"cpf "Gpxkqpo gpvcn'lwueg"qti cpl' c'kpu" ukpeg"4229"vq"lpucm'ck"hm'c'kpu"u{ugo u"lp"uej qqn"cpf "eqo o wpl' "egpvtu'0' Ck' "hm'c'kpu" vgej pqrqi kgu'uej "cu'j ki j 'r gthqto cpeg'r cpgrl'hm'gtu'cpf "ucpf /cm'pg'wpl'ku'j cxg'dggp"uweegu'hm' " f go qpwtcvf "lp"ercutqgo "gpxkqpo gpw'vq"cej k'xg'cv'rcu'c"; 2' "cxgtci g'tgo qxcn'gh'ekpe{ " qh'wnt'ch'p'RO "cpf "DE0Vq'f'cv'g.'ck' "hm'c'kpu"j cu'dggp'lpucm'g' "lp"ugxgp'uej qqn'cpf "eqo o wpl' " egpvtu"lp"GL"cpf "F kuc'xcp'ci gf "Eqo o wpl'k'gu"lp"j g"Gcu'gtp"Eqcej gmc"Xcmg{ "eqo o wpl'k'0

### **Identifying Violations affecting Neighborhoods (IVAN)**

kp'423; . "j g'EEX"eqmdqtc'v'f "y kj "Rtqo qvqtgu'Eqo wpl'ct'ku'f gr'F gu'gtv'q."c"eqo o wpl'k' " j gcnj "qti cpl' c'kpu."cpf "Nc"Wpl'kp"J ceg"Nc"hwgt| c \*Nc"Wpl'kp+."cp"gp'xkqpo gpvcn'cpf " hcto y qtnqf "lwueg"qti cpl' c'kpu."lp"j g'Eqcej gmc"Xcmg{ ."vq"gu'cd'ku'j "j g'K'gp'v'k'lp' "Xk'rc'v'kpu" ch'gev'kpi "P gki j dqtj qqf u"\*KCP +Eqcej gmc"pgw qtn'0'Vj g'KCP "pgw qtn'j cu'dggp"uweegu'hw'lp' "ugew'kpi "839"o k'k'kp'lp'lp'xguo gpw'lp'r tqlgeu'dgp'gh'kpi "gp'xkqpo gpvcn'lwueg" eqo o wpl'k'gu'j tqwi j qw'v'j g'Eqcej gmc"Xcmg{0'EEX"cu'q"eqmdqtc'v'f "y kj "r t'k'cv'g'gp'v'gtr'k'gu" vq"gpwt'g"j cv'r tqlgeu'y gt'g'hw'nt' "f g'xg'm'r gf "cpf "dgp'gh'k'gf "j g"Gcu'gtp"Eqcej gmc"Xcmg{0

### **Ongoing and Prior Emissions Reduction Plans**

#### *AB 1318: Mitigation Fees Fund*

Dgi kpl'kpi "Lcpwct{"4236."Uqwj "Eqcu/CS OF "cy ctf gf "pgetn{"873"o k'k'kp'lp"o k'ki c'kpu"hw'pf u" hqo "CD"353: "hqt"48"go k'uk'kpu"tgf w'ek'kp"r tqlgeu"lp"j g'Eqcej gmc"Xcmg{0'Rtqlgeu"hw'pf gf " kpen'f gf "tgr m'ek'kpi "qr'f "f k'gu'gn'uej qqn'dwugu'cpf "lpucm'kpi "ck' "hm'c'kpu"u{ugo u"lp"ercutqgo u=" j g'ug'r tqlgeu'lp'xq'xgf "eqmdqtc'v'kpu"y kj "uej qqn'f knt'ew"cpf "q'v'j gt'hw'ec'n'gp'v'k'gu'0'Vj g'hw'pf u'y gt'g" cu'q"wu'gf "hqt"ugxg'tcn'r cxkpi "r tqlgeu'cv'o qd'k'g"j qo g'r ct'mu'cpf "tqcf u'lp"Vtk'dcn'rc'pf u."cu'y gr'ic'u" q'v'j gt'f w'u'eqpvt'qr'n'r tqlgeu."j qo g'y g'cv'j g'tk' c'kpu"cpf "u'qr't'r cpgr'l'lpucm'c'kpu"r tqlgeu'0'O qpgvct{" cm'qec'v'kpu"qtki k'pc'v'f "hqt" "hggu"r ck'f "d{"Eqo r g'v'k'xg"Rqy gt"Xgpwt'gu."K'pe'0'vq"Uqwj "Eqcu/ CS OF "hqt"go k'uk'kpu"qh'hw'gu"pggf gf "vq"eqpwt'w'ev'cpf "qr g'tcv'g"ERX'au"Ugp'v'k'p'gn'r qy gt"r rc'p'v'lp" F gu'gtv'J qv'Ur t'kpi u'0

"

"

# Appendix B

## Outreach Materials



"

"

"

"



## Introduction

Kp"cp"ghqtv"vq"uqrlek'r wdrle"lpr w'ltqo "eqo o wpkv"o go dgtu"cpf "ucngj qrf gtu."Uqwj "Eqcuw" CS O F "uc'h'i gpgtcvgf "ur gekrkl gf "qwtgcej "o cvgtkcn'yj cvlphqto gf "y g'i gpgtcn'r wdrle"cdqww" CD'839"cv'gcej "qh'yj g'Ego o wpkv"Kf gpv'k'ecv'kqp'O ggkpi u'j grf "y tqwi j qww'yj g'6/eqwpv' "tgi kqp." kpenw'kpi "Eqcej gmc"Xcng{"f wtkpi "y g'hkuv'cpf "ugeqpf "s wctvgtu'qh'423; 0Cr r gpf kz "D'eqpvc'kpu" yj g'o cvgtkcn'wugf "vq"i kuugo kpcvg'kphqto cvkqp'yj tqwi j "tcf k'kqpcn'o gf k'r r'v'htqto u."uqekcn" o gf kc."cpf "i tcutqqw'ghqtu00 quv'r tlpvgf "o cvgtkcn'cpf "o quv'grgestqple"o cvgtkcn'y gtg" r tqxkf gf "vq"yj g'r wdrle"lp"Gpi rkuj "cpf "Ur c'pkuj 0Vt'cpur'v'kqp"ugt'x'legu'y gtg'cnuq"cxckr'drg"cv'cm' o ggkpi u0Vj g'qwtgcej "o cvgtkcn'ctg'rkugf "dgnqy 0"

- K ci g'3c"( "3d'o"Qwtgcej "Hn{gtu'o"Eqcej gmc"\*Gpi rkuj l"( "Ur c'pkuj +"
- K ci g'4c"( "4d'o"Qwtgcej "Hn{gtu'o"Dwgpc"Rctm"\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'5c"( "5d'o"Qwtgcej "Hn{gtu'o"Eqnqp""\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'6c"( "6d'o"Qwtgcej "Hn{gtu'o"J w'v'kpi vqp"Rctm"\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'7c"( "7d'o"Qwtgcej "Hn{gtu'o"Lxw'c"Xcng{"\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'8c"( "8d'o"Qwtgcej "Hn{gtu'o"Uqwj "I cvg"\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'9"o"Uqekcn'O gf kc"I tcr j kc/"Eqcej gmc"\*Gpi rkuj lUr c'pkuj +"
- K ci g": "o"Uqekcn'O gf kc"I tcr j kc/"Dwgpc"Rctm"\*Gpi rkuj lUr c'pkuj +"
- K ci g"; "o"Uqekcn'O gf kc"I tcr j kc/"Eqnqp"\*Gpi rkuj lUr c'pkuj +"
- K ci g'32"o"Uqekcn'O gf kc"I tcr j kc/"J w'v'kpi vqp"Rctm"\*Gpi rkuj lUr c'pkuj +"
- K ci g'33"o"Uqekcn'O gf kc"I tcr j kc/"Lxw'c"Xcng{"\*Gpi rkuj lUr c'pkuj +"
- K ci g'34"o"CD'839"Kphqi tcr j kc"
- K ci g'35c"( "35d'o"Eqo o wpkv"Ugrh/Tgeqo o gpf cvkqp"Hqto "\*Gpi rkuj "( "Ur c'pkuj +"
- K ci g'36"o"CD'839"Y gdr ci g"
- K ci g'37"o"Kpvtce'v'xg'O cr "

Cf f k'kqpcm(. "cv'gcej "qh'yj g'CD'839"Eqo o wpkv"Kf gpv'k'ecv'kqp'O ggkpi u."lphqto cvkqp"dqqy u" y gtg'cxckr'drg"vq"i kuwuu'yj g'hqmqy kpi "kuwgu<"

30 Eqo o wpkv"Ugrh/Tgeqo o gpf cvkqpu"cpf "i gpgtcn'CD'839"lps wtk'gu"

40 K'egp'v'xg'Rtqi tco u"\*Uqwj "Eqcuw"CS O F"( "EC"Ck'Tguqwtegu"Dqctf +"

50 Eqo o wpkv"eqpegtpu"( "i gpgtcn'ck's wcrkv"lps wtk'gu"

"

## Images 1a & 1b – Outreach Flyers – Coachella (English & Spanish)

### EASTERN COACHELLA VALLEY COMMUNITY MEETING

The California Air Resources Board (CARB), the South Coast Air Quality Management District, and the Leadership Counsel for Justice and Accountability, invite you to participate in a community meeting for the Community Air Protection Program. This program focuses on improving public health in communities that experience disproportionate burdens from exposure to air pollutants. You can ask questions, engage in discussions, and learn more about the Community Air Protection Program and incentive funds.

**FEBRUARY 22, 2019 5:30-7:30 PM**

North Shore Beach and Yacht Club  
99155 Sea View Drive, Mecca, CA 92254



#### More Information

Community Air Protection Program

- Visit [ww2.arb.ca.gov/our-work/programs/community-air-protection-program](http://ww2.arb.ca.gov/our-work/programs/community-air-protection-program)
- Contact Monique Davis at [monique.davis@arb.ca.gov](mailto:monique.davis@arb.ca.gov) or (916) 322-7304.

Leadership Counsel for Justice and Accountability

- Contact Rebecca Zaragoza at [rzaragoza@leadershipcounsel.org](mailto:rzaragoza@leadershipcounsel.org) or (760) 774-3528.

This meeting will be conducted in Spanish with English interpretation, and a light meal will be provided.



### VALLE DE COACHELLA


South Coast Air Quality Management District invite you to participate in a community meeting. The program focuses on exposure to air pollutants. Learn more about the program.



Consejo de Liderazgo para la Justicia y la Responsabilidad  
• Contacte Rebecca Zaragoza en [rzaragoza@leadershipcounsel.org](mailto:rzaragoza@leadershipcounsel.org) o (760) 774-3528.  
Esta reunión se realizará en español, se proporcionará interpretación en inglés, y habrá una cena ligera.



## Images 2a & 2b – Outreach Flyers – Buena Park (English & Spanish)






South Coast Air Quality Management District  
in collaboration with the California Air Resources Board

# Community Meeting

## Assembly Bill 617 (AB 617)

*An Opportunity for Environmental Justice Communities Impacted by Air Pollution*

**Join us to discuss opportunities to address community air pollution, and an update on the community plans with three communities that were designated for the first year of the Assembly Bill 617 (AB 617) program. The actions will help reduce air pollution in environmental justice communities.**

**Attendees will discuss ideas for how to prioritize communities for future air monitoring and emission reduction plans, and provide public comment.**





**Wednesday, May 22, 2019**  
**6:00 PM – 8:00 PM**  
**Heritage Hall at the Ehlers Event Center**  
**8150 Knott Avenue**  
**Buena Park, CA 90620**

**South Coast AQMD and CARB staff will be available to answer questions. The meeting is open to the public and Spanish interpretation will be offered.**

South Coast AQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Stay Connected With Us @SouthCoastAQMD

For more information, please visit our website at [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) or contact Fabian Wesson, South Coast AQMD Public Advisor, at (909) 396-2432 or at [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the organization. Please telephone the Public Advisor at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

**8150 Knott Avenue**  
**Buena Park, CA 90620**

**Representantes de South Coast AQMD y CARB estarán disponibles para contestar preguntas. La reunión está abierta al público e interpretación del inglés al español estará disponible.**

South Coast AQMD es la agencia que gestiona la calidad del aire para el Condado de Orange, y las partes principales de los condados de Los Angeles, Riverside y San Bernardino.

**South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG**

Para más información, por favor visite nuestra página web: [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) o comuníquese Fabian Wesson, Asesor Público del Distrito de South Coast AQMD al (909) 396-2432 o a [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

Manténgase conectados con nosotros @SouthCoastAQMD






Los documentos que se distribuirán en esta reunión/evento estarán disponibles a pedido en formatos alternativos apropiados para ayudar a las personas con discapacidad. También se pondrán a disposición adaptaciones relacionadas con la discapacidad para permitir la participación en la reunión/evento. Cualquier acomodación debe ser solicitada tan pronto como sea posible. Las solicitudes se atenderán a menos que proporcionarlas resulte en una alteración fundamental o una carga indebida para la organización. Por favor llame a la oficina del Asesor Público al (909) 396-2432 de 7:00 A.M. a 5:30 P.M. los días martes a viernes.



Image 3a & 3b – Outreach Flyers – Colton (English & Spanish)



South Coast  
AQMD

South Coast Air Quality Management District  
in collaboration with the California Air Resources Board

## Community Meeting Assembly Bill 617 (AB 617)

*An Opportunity for Environmental Justice Communities Impacted by Air Pollution*

Join us to discuss opportunities to address community air pollution, and an update on the community plans with three communities that were designated for the first year of the Assembly Bill 617 (AB 617) program. The actions will help reduce air pollution in environmental justice communities.

Attendees will discuss ideas for how to prioritize communities for future air monitoring and emission reduction plans, and provide public comment.

**Wednesday, May 29, 2019**  
**6:00 PM – 8:00 PM**  
**Hutton Community Center**  
**660 Colton Avenue**  
**Colton, CA 92324**

South Coast AQMD and CARB staff will be available to answer questions.  
The meeting is open to the public and Spanish interpretation will be offered.

South Coast AQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Stay Connected With Us @SouthCoastAQMD

For more information, please visit our website at [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) or contact Fabian Wesson, South Coast AQMD Public Advisor, at (909) 396-2432 or at [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the organization. Please telephone the Public Advisor at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

trict (South Coast AQMD)  
ources Board (CARB)  
**Unitaria**  
us siglas en inglés )  
ambiental afectadas por la

taminación atmosférica  
comunidades que fueron  
ayudaran a reducir la  
ambiental.

para futuro monitoreo  
entarios públicos.

19

Colton Avenue  
Colton, CA 92324

Representantes de South Coast AQMD y CARB estarán disponibles para contestar preguntas.  
La reunión está abierta al público e interpretación del inglés al español estará disponible.  
South Coast AQMD es la agencia que gestiona la calidad del aire para el Condado de Orange, y las partes principales de los condados de Los Angeles, Riverside y San Bernardino.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Manténgase conectados con nosotros @SouthCoastAQMD

Para más información, por favor visite nuestra página web: [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) o comuníquese Fabian Wesson, Asesor Público del Distrito de South Coast AQMD al (909) 396-2432 o a [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

Los documentos que se distribuirán en esta reunión/evento estarán disponibles a pedido en formatos alternativos apropiados para ayudar a las personas con discapacidad. También se pondrán a disposición adaptaciones relacionadas con la discapacidad para permitir la participación en la reunión/evento. Cualquier acomodación debe ser solicitada tan pronto como sea posible. Las solicitudes se atenderán a menos que proporcionadas resulte en una alteración fundamental o una carga indebida para la organización. Por favor llame a la oficina del Asesor Público al (909) 396-2432 de 7:00 A.M. a 5:30 P.M. los días martes a viernes.

Image 4a & 4b – Outreach Flyers – Huntington Park (English & Spanish)



South Coast Air Quality Management District  
in collaboration with the California Air Resources Board (CARB)

## Community Meeting

# Assembly Bill 617 (AB 617)

*An Opportunity for Environmental Justice Communities Impacted by Air Pollution*





Join us to discuss opportunities to address community air pollution, and an update on the community plans with three communities that were designated for the first year of the Assembly Bill 617 (AB 617) program. The actions will help reduce air pollution in environmental justice communities.

Attendees will discuss ideas for how to prioritize communities for future air monitoring and emission reduction plans, and provide public comment.

**Wednesday, June 5, 2019**  
**6:00 pm – 8:00 pm**  
**Huntington Park Department of Parks & Recreation**  
**Social Hall**  
**3401 E. Florence Avenue**  
**Huntington Park, CA 90255**

South Coast AQMD and CARB staff will be available to answer questions. The meeting is open to the public and Spanish interpretation will be offered. South Coast AQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • aqmd.gov • 1-800-CUT-SMOG

Stay Connected With Us @SouthCoastAQMD







For more information, please visit our website at [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) or contact Fabian Wesson, South Coast AQMD Public Advisor, at (909) 396-2432 or at [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the organization. Please telephone the Public Advisor at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.





## Image 5a & 5b – Outreach Flyers – Jurupa Valley (English & Spanish)




South Coast Air Quality Management District  
in collaboration with the California Air Resources Board (CARB)

# Community Meeting

## Assembly Bill 617 (AB 617)

*An Opportunity for Environmental Justice Communities Impacted by Air Pollution*



Join us to discuss opportunities to address community air pollution, and an update on the community plans with three communities that were designated for the first year of the Assembly Bill 617 (AB 617) program. The actions will help reduce air pollution in environmental justice communities.

Attendees will discuss ideas for how to prioritize communities for future air monitoring and emission reduction plans, and provide public comment.

**Wednesday, June 19, 2019**  
**6:00 pm – 8:00 pm**  
**Crestmore Manor**  
**4600 Crestmore Road**  
**Jurupa Valley, CA 92059**

South Coast AQMD and CARB staff will be available to answer questions. The meeting is open to the public and Spanish interpretation will be offered.

South Coast AQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Stay Connected With Us @SouthCoastAQMD

For more information, please visit our website at [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) or contact Fabian Wesson, South Coast AQMD Public Advisor, at (909) 396-2432 or at [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the organization. Please telephone the Public Advisor at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

Management District (South Coast AQMD)  
California Air Resources Board (CARB)

# Comunitaria

617, por sus siglas en inglés )  
ades de justicia ambiental afectadas por la  
ción atmosférica.



abordar la contaminación atmosférica  
arios de tres comunidades que fueron  
Las acciones ayudaran a reducir la  
les de justicia ambiental.

comunidades para futuro monitoreo  
ncionar comentarios públicos.

del 2019

4600 Crestmore Manor  
Jurupa Valley, CA 92059

Representantes de South Coast AQMD y CARB estarán disponibles para contestar preguntas.  
La reunión está abierta al público e interpretación del inglés al español estará disponible.

South Coast AQMD es la agencia que gestiona la calidad del aire para el Condado de Orange, y las partes principales de los condados de Los Angeles, Riverside y San Bernardino.


South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Para más información, por favor visite nuestra página web: [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) o comuníquese Fabian Wesson, Asesor Público del Distrito de South Coast AQMD al (909) 396-2432 o a [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

Manténgase conectados con nosotros @SouthCoastAQMD

Los documentos que se distribuirán en esta reunión/evento estarán disponibles a pedido en formatos alternativos apropiados para ayudar a las personas con discapacidad. También se pondrán a disposición adaptaciones relacionadas con la discapacidad para permitir la participación en la reunión/evento. Cualquier acomodación debe ser solicitada tan pronto como sea posible. Las solicitudes se atenderán a menos que proporcionarlas resulte en una alteración fundamental o una carga indebida para la organización. Por favor llame a la oficina del Asesor Público al (909) 396-2432 de 7:00 A.M. a 5:30 P.M. los días martes a viernes.

## Image 6a & 6b – Outreach Flyers – South Gate (English & Spanish)




South Coast Air Quality Management District  
in collaboration with the California Air Resources Board (CARB)

# Community Meeting

## Assembly Bill 617 (AB 617)

*An Opportunity for Environmental Justice Communities Impacted by Air Pollution*



Join us to discuss opportunities to address community air pollution, and an update on the community plans with three communities that were designated for the first year of the Assembly Bill 617 (AB 617) program. The actions will help reduce air pollution in environmental justice communities.

Attendees will discuss ideas for how to prioritize communities for future air monitoring and emission reduction plans, and provide public comment.





**Thursday, August 29, 2019**  
**6:00 PM – 8:00 PM**  
**Banquet Room at South Gate Park**  
**4900 Southern Avenue**  
**South Gate, CA 90280**

South Coast AQMD and CARB staff will be available to answer questions. The meeting is open to the public and Spanish interpretation will be offered.

South Coast AQMD is the air pollution control agency for all of Orange County and major portions of Los Angeles, Riverside, and San Bernardino Counties.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Stay Connected With Us @SouthCoastAQMD

For more information, please visit our website at [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) or contact Fabian Wesson, South Coast AQMD Public Advisor, at (909) 396-2432 or at [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)


The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the organization. Please telephone the Public Advisor at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

Air Quality Management District (South Coast AQMD)  
in collaboration with California Air Resources Board (CARB)

# Reunión Comunitaria

**Asamblea (AB 617, por sus siglas en inglés)**

Las comunidades de justicia ambiental afectadas por la contaminación atmosférica.



Se invita a las comunidades para abordar la contaminación atmosférica comunitaria de tres comunidades que fueron designadas para el primer año del programa de la Ley de la Asamblea 617. Las acciones ayudarán a reducir la contaminación atmosférica.

Se invita a las comunidades para futuro monitoreo de la contaminación atmosférica, y proporcionar comentarios públicos.

**Jueves del 2019**  
**6:00 PM – 8:00 PM**  
**Banquet Room at South Gate Park**  
**4900 Southern Avenue**  
**South Gate, CA 90280**





Representantes de South Coast AQMD y CARB estarán disponibles para contestar preguntas. La reunión está abierta al público e interpretación del inglés al español estará disponible.

South Coast AQMD es la agencia que gestiona la calidad del aire para el Condado de Orange, y las partes principales de los condados de Los Angeles, Riverside y San Bernardino.

South Coast Air Quality Management District • 21865 Copley Drive, Diamond Bar, CA 91765 • [aqmd.gov](http://aqmd.gov) • 1-800-CUT-SMOG

Para más información, por favor visite nuestra página web: [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617) o comuníquese Fabian Wesson, Asesor Público del Distrito de South Coast AQMD al (909) 396-2432 o a [publicadvisor@aqmd.gov](mailto:publicadvisor@aqmd.gov)

Manténgase conectados con nosotros @SouthCoastAQMD

Los documentos que se distribuirán en esta reunión/evento estarán disponibles a pedido en formatos alternativos apropiados para ayudar a las personas con discapacidad. También se pondrán a disposición adaptaciones relacionadas con la discapacidad para permitir la participación en la reunión/evento. Cualquier acomodación debe ser solicitada tan pronto como sea posible. Las solicitudes se atenderán a menos que proporcionarlas resulte en una alteración fundamental o una carga indebida para la organización. Por favor llame a la oficina del Asesor Público al (909) 396-2432 de 7:00 A.M. a 5:30 P.M. los días martes a viernes.



**Image 7 – Social Media Graphic- Coachella (English/Spanish)**





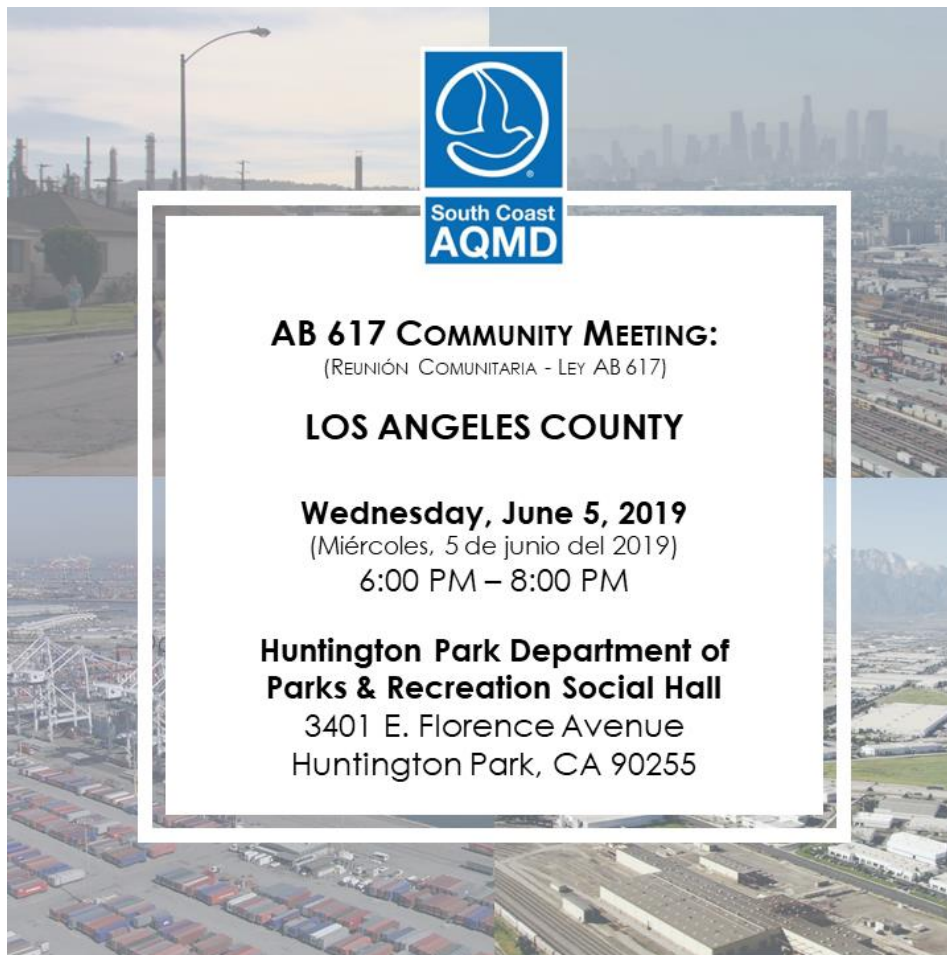
**Image 8 – Social Media Graphic- Buena Park (English/Spanish)**



**Image 9 – Social Media Graphic- Colton (English/Spanish)**



**Image 10 – Social Media Graphic- Huntington Park (English/Spanish)**



**Image 11 – Social Media Graphic- Jurupa Valley (English/Spanish)**



Image 12 – AB 617 Infographic

# COMMUNITY AIR INITIATIVES



## AB 617

**A community-focused program to monitor and reduce air pollution emissions**

### COMMUNITY SELECTION

CALENVIRO SCREEN 3.0	AIR TOXICS DATA	SCHOOLS NEAR POLLUTION	COMMUNITY PLANS & PROGRAMS	COMMUNITY NOMINATIONS	COMMUNITY INPUT
					
Technical Data			Community Support		

Feb-July  
2019

South Coast AQMD receives public input to help prioritize communities

September  
2019

South Coast AQMD Board considers list of communities for Year 2 selection

December  
2019

CA Air Resources Board considers communities statewide for Year 2 selection

### NOMINATE YOUR COMMUNITY

- **Step 1:** Visit [www.aqmd.gov/ab617selection](http://www.aqmd.gov/ab617selection)
- **Step 2:** Fill out the *Community Self-Recommendation* form
- **Step 3:** Submit your response by **June 30, 2019**

Questions & Comments to [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

[@SouthCoastAQMD • www.aqmd.gov](https://www.aqmd.gov)



## Image 13a – Community Self-Recommendation Form



<div data-bbox="311 346 406 487"></div> <div data-bbox="438 365 935 417"><p><b>2019</b> <b>AB 617 Community Self-Recommendation Form</b></p></div> <div data-bbox="519 432 854 455"><p>Please fill out this form by <b>June 30, 2019</b> and</p></div> <div data-bbox="438 470 620 520"><p>Email it to: <a href="mailto:ab617@aqmd.gov">ab617@aqmd.gov</a></p></div> <div data-bbox="646 485 678 506"><p>OR</p></div> <div data-bbox="714 462 937 550"><p>Mail it to: Attn: AB617 forms 21865 Copley Dr. Diamond Bar, CA 91765</p></div> <div data-bbox="297 564 963 602"><p>Note: Information provided by you on this worksheet (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request</p></div> <div data-bbox="297 615 344 636"><p>Date:</p></div> <div data-bbox="303 646 461 667"><p><b>Contact Information</b></p></div> <div data-bbox="319 669 544 802"><ol style="list-style-type: none"><li>1. First and Last Name:</li><li>2. Phone:</li><li>3. Email:</li><li>4. Organization (if applicable):</li></ol></div> <div data-bbox="303 827 639 850"><p><b>Input on Community Selection and Priorities</b></p></div> <div data-bbox="319 850 920 968"><ol style="list-style-type: none"><li>5. Was this community or community area recommended in the previous year?</li><li>6. Is there any new information available from 2018-2019 that could be considered in prioritizing communities for this program?</li></ol></div> <div data-bbox="303 1047 488 1068"><p><b>Community Information</b></p></div> <div data-bbox="319 1068 937 1190"><ol style="list-style-type: none"><li>7. Community Name (as known by community members):</li><li>8. What areas does this community include? (City Name, Neighborhood Name, and Zip Code):</li></ol></div> <div data-bbox="591 1260 667 1281"><p>Page 1 of 2</p></div>	<div data-bbox="1032 928 1256 968"><p>deployment of a community air community emissions reduction</p></div> <div data-bbox="1032 1066 1091 1087"><p>tion 9)</p></div> <div data-bbox="1032 1291 1326 1331"><p>nity that make it a good candidate for this having many engaged community</p></div> <div data-bbox="734 1327 1315 1402"><p>organizations, experience with developing and implementing community plans, and demonstrated experience and willingness to collaborate with diverse stakeholders (government agencies, community organizations, businesses, schools, hospitals, etc.).</p></div> <div data-bbox="695 1650 868 1673"><p><b>Additional Information</b></p></div> <div data-bbox="698 1669 1326 1709"><p>12. Would you like to sign up for updates on AB617? Select "Yes" to be included in three-mail list.</p></div> <div data-bbox="893 1711 925 1743"><input type="radio"/></div> <div data-bbox="928 1713 969 1736"><p>Yes</p></div> <div data-bbox="1032 1711 1065 1743"><input type="radio"/></div> <div data-bbox="1066 1713 1101 1736"><p>No</p></div> <div data-bbox="797 1755 1239 1780"><p>Please save and email this worksheet to <a href="mailto:ab617@aqmd.gov">ab617@aqmd.gov</a></p></div> <div data-bbox="977 1814 1055 1835"><p>Page 2 of 2</p></div>
--	--

Image 13b – Community Self-Recommendation Form (Spanish)



**2019**  
**Formulario de recomendación de su comunidad de AB617**

Complete este formulario antes del **30 de junio** y

Envíelo por correo electrónico a:  
**ab617@aqmd.gov**

○

Envíelo por correo postal a:  
**Attn: AB617 forms**  
**21865 Copley Dr.**  
**Diamond Bar, CA 91765**

Nota: La información que usted brinde en esta planilla (lo que incluye información de contacto y otros datos personales) constituye un registro público y puede ser divulgada como respuesta a una solicitud de la Ley de Registros Públicos de California (California Public Records Act)

Fecha:

**Información de contacto**

1. Nombre y apellido:
2. Teléfono:
3. Correo electrónico:
4. Organización (si corresponde):

**Comentarios sobre la selección y las prioridades de la comunidad**

5. ¿Esta comunidad o área de la comunidad fue recomendada el año anterior?
6. ¿Hay nueva información disponible de 2018-2019 que podría considerarse al momento de priorizar las comunidades para este programa?

**Información de la comunidad**

7. Nombre de la comunidad (tal como lo conocen los miembros de la comunidad):
8. ¿Qué áreas incluye esta comunidad? (Nombre de la ciudad, nombre del vecindario y código postal):

Página 1 de 2

---

para la implementación de una campaña de  
a el desarrollo de un programa comunitario  
os?

de emisiones

nado con la pregunta 10)

11. ¿Cuáles son las características de su comunidad que la convierten en una buena candidata para este programa? Por ejemplo, esto puede incluir una cantidad importante de organizaciones comprometidas con la comunidad, experiencia en el desarrollo y la implementación de planes comunitarios, y experiencia y voluntad demostradas para colaborar con varios participantes (agencias de gobierno, organizaciones comunitarias, empresas, escuelas, hospitales, etc.).


**Información adicional**

13. ¿Desea inscribirse para actualizaciones sobre el Proyecto de Ley AB617? Seleccione "SI" si desea ser incluido en la lista de correo electrónico.

☐ SI      ☐ No

Haga clic en enviar para que esta planilla llegue por correo electrónico a AQMD de la Costa Sur: **ENVIAR**

Página 2 de 2


South Coast  
AQMD

[Home](#) / [About](#) / [Initiatives](#) / [Community Efforts](#) / [Environmental Justice](#) / [AB 617 & AB 134](#)

## AB 617 Community Air Initiatives

AB 617 & AB 134

AB 617 Community Air Monitoring

Community Identification & Prioritization

Wilmington/West Long Beach/Carson

San Bernardino/Muscoy

Boyle Heights/East Los Angeles/West Commerce

Technical Advisory Group

The South Coast Air Quality Management District is actively conducting exciting and comprehensive community-based efforts that focus on improving air quality and public health in environmental justice communities.

Filter: Upcoming Events

Sort by Date: Oldest

Search Events

Upcoming

There are no upcoming events

### Background

Assembly Member Cristina Garcia authored [Assembly Bill 617](#) to address the disproportionate pollution in environmental justice communities. The measure requires local air districts to reduce air pollution and toxic air contaminants from commercial and industrial sources.

Previously passed bills provide significant new funding and resources to expand South Coast based programs to reduce air pollution and protect public health, with a focus on environmental justice communities. For example, the state Legislature also adopted AB 134 to fund community air quality projects in disadvantaged communities.

Assembly Member Cristina Garcia authored [Assembly Bill 617<sup>9</sup>](#) to address the disproportionate impacts of air pollution in environmental justice communities. The measure requires local air districts to take specific actions to reduce air pollution and toxic air contaminants from commercial and industrial sources.

The primary purpose of these new efforts is to implement AB 617. South Coast AQMD will conduct extensive outreach to residents and other stakeholders to describe the program and seek input on how to implement it.

Please visit the respective links below for each community approved for Year 1 implementation for updates:

- General FAQs on the Community Steering Committees are posted below:

- South Coast AQMD is hosting a series of meetings to seek input on how to prioritize communities in our region for future air monitoring and emission reduction programs. These pages will contain meeting documents such as presentations, fact sheets, an infographic, community input and South Coast AQMD's recommendations to CARB:

- 49"



### Image 14 – AB 617 Webpage (cont'd)

- 2019 Community Identification & Prioritization
- 2018 Community Identification & Prioritization

## Forms

**Community Steering Committee Interest Forms:**

The Year 1 Community Steering Committees have been formed. However, primary members are encouraged to select alternate members. Below are the forms that prospective alternate members should complete to be considered. Please email forms to [AB617@aqmd.gov](mailto:AB617@aqmd.gov).

- [Community Steering Committee – Interest Form \(PDF\)](#)
- [Formulario de Interés – Comité Directivo de la Comunidad \(PDF\)](#)

### Programs Receiving AB 617 & AB 134 Funding

In 2018, South Coast AQMD received \$10.8 million in state funding to lay the groundwork for this new program. The main components of the program are:

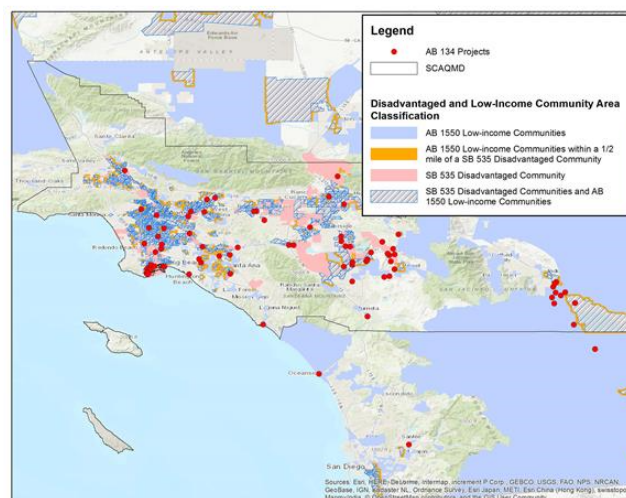
1. **Community Emissions Reduction Plans (CERP):** Residents will have the opportunity to provide recommendations for the selection of communities chosen for the development of emissions reductions plans. South Coast AQMD will use updated data to assess the communities most affected, identify key sources of pollution and develop targeted emissions reduction plans to reduce community exposures to air pollution. A small number of communities will be selected for the first year and other communities will be added over time.
2. **Community Monitoring and Analysis:** South Coast AQMD will deploy systems to monitor air quality in selected communities where this information is needed. AQMD will seek additional sources of funding to cover the added cost of these new requirements.

3. **"BARCT" Implementation:** South Coast may or amend our rules to ensure that Best Available Retrofit Technology (BART) is implemented for the greenhouse gas cap and trade program. To different air districts.

AB 617 also requires moving towards more strict liability for air pollution violations, adjusting strict liability

One of South Coast AQMD's roles is to accelerate the commercialization and deployment of zero- and near-zero-emission mobile and stationary technologies by making financial incentives and programs available. For more than 19 years, grants under the [Carl Moyer Program](#) have been used to replace older heavy-duty diesel vehicles and equipment with cleaner technologies. With the passage of AB 617 and AB 134, the South Coast AQMD expects to receive \$107.5 million in new funding for eligible projects under the Carl Moyer Program, with a majority of this funding allocated to projects that are located in environmental justice and low income communities. Projects funded by the Carl Moyer Program include heavy-duty trucks and buses, construction equipment, agricultural equipment, cargo handling equipment and marine vessels.

After evaluation of all the Carl Moyer program Year 19 applications, a total of 101 projects, totaling \$51.7 million, were approved. As shown on the map below, which is based on [CalEnviroScreen 3.0 Maps](#)<sup>2</sup>, a total of \$45.4 million or 88 percent of these projects are located in environmental justice and low-income communities.



## Image 14 – AB 617 Webpage (cont'd)

### Community Air Grants

The Districts and CARB are working hand-in-hand to implement AB 617 and improve community air quality. To support this endeavor, CARB is also offering Community Air Grants to community groups for enhancing education and outreach regarding AB 617, monitoring, and improving their air quality. This program allows flexibility for community-based organizations to participate in the AB 617 process and to build their own capacities to become active partners with government to identify, evaluate, and ultimately reduce exposure to harmful air emissions in their communities. For more information visit CARB's [Community Air Grants](#) page <sup>2</sup>.

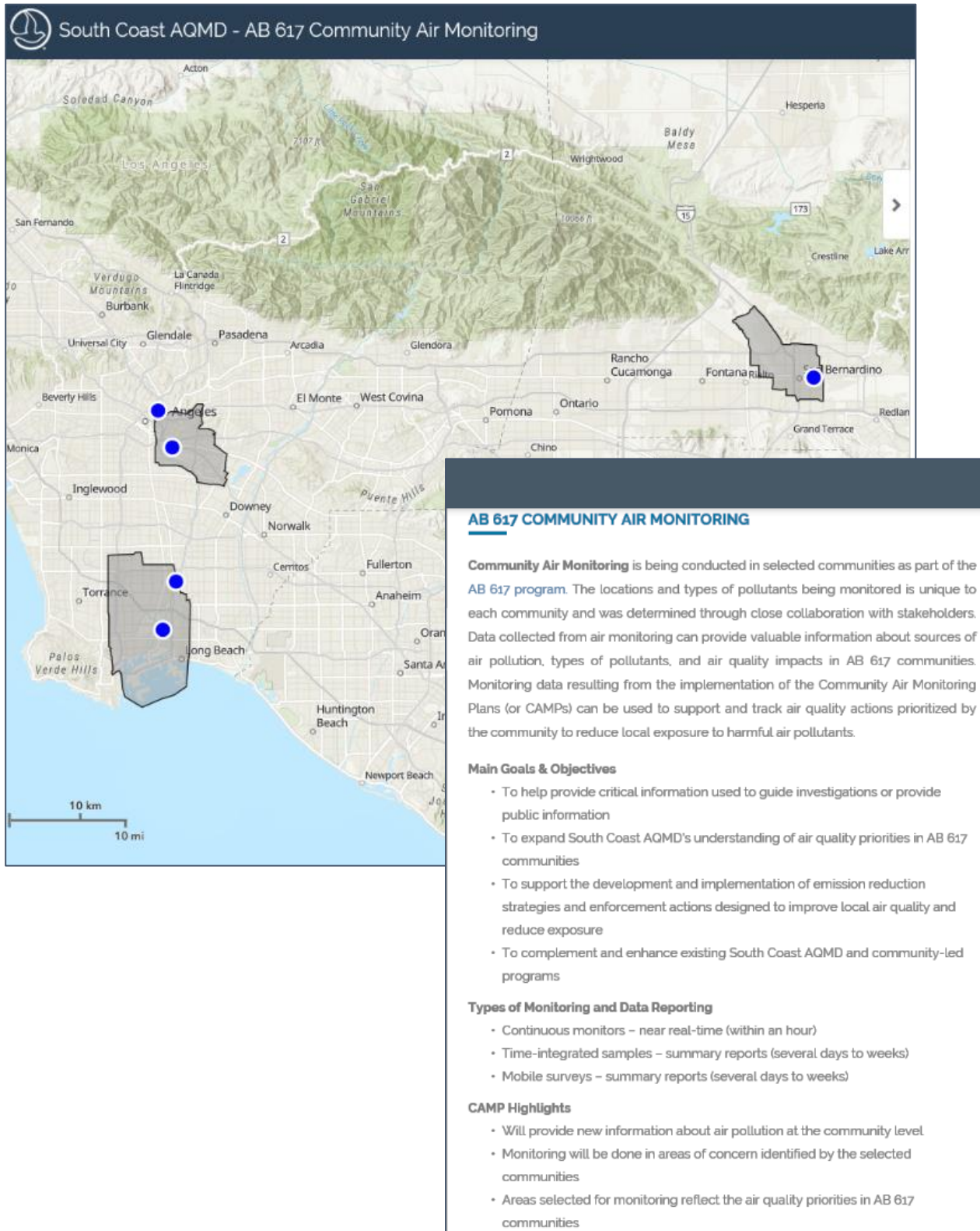
### Programs of Related Interest

- **CAPP** <sup>2</sup> - CARB's Community Air Protection Program. CARB has established a Community Air Protection Program with statewide strategies to reduce exposure in communities most impacted by air pollution. CARB has also provided a [Community Air Protection Blueprint](#) <sup>2</sup> (Blueprint) that provides guidelines for AB 617 implementation.
- **CATI** – South Coast AQMD's Community Air Toxics Initiative focused on identifying and reducing sources of hexavalent chromium and other air toxics currently in Paramount and Compton and additional communities in the future.
- **Refinery Monitoring** – Under South Coast AQMD's Rule 1180 and AB 1647, the region's eight major oil refineries will need to start real-time monitoring for pollutants at their fence lines by 2020. In addition, South Coast AQMD will conduct air monitoring being used by community groups, residents and others to gauge air pollution in their neighborhoods.
- **MATES V** – South Coast AQMD is the recipient of a prestigious STAR grant from the U.S. Environmental Protection Agency. In collaboration with [Sonoma Technology](#) <sup>2</sup> and the [UCLA Fielding School of Public Health](#) <sup>2</sup>, this study will build capacity in six California communities to select, use, and maintain low-cost air pollution sensors and to interpret sensor data.
- **AQ-SPEC** – South Coast AQMD is the recipient of a prestigious STAR grant from the U.S. Environmental Protection Agency. In collaboration with [Sonoma Technology](#) <sup>2</sup> and the [UCLA Fielding School of Public Health](#) <sup>2</sup>, this study will build capacity in six California communities to select, use, and maintain low-cost air pollution sensors and to interpret sensor data.

### News Releases

- [SCAQMD Hosts Series of Community Meetings on New Measures Aimed at Reducing Pollution Exposure in EJ Communities - February 13, 2018](#)

Image 15 – Interactive Map - Monitoring

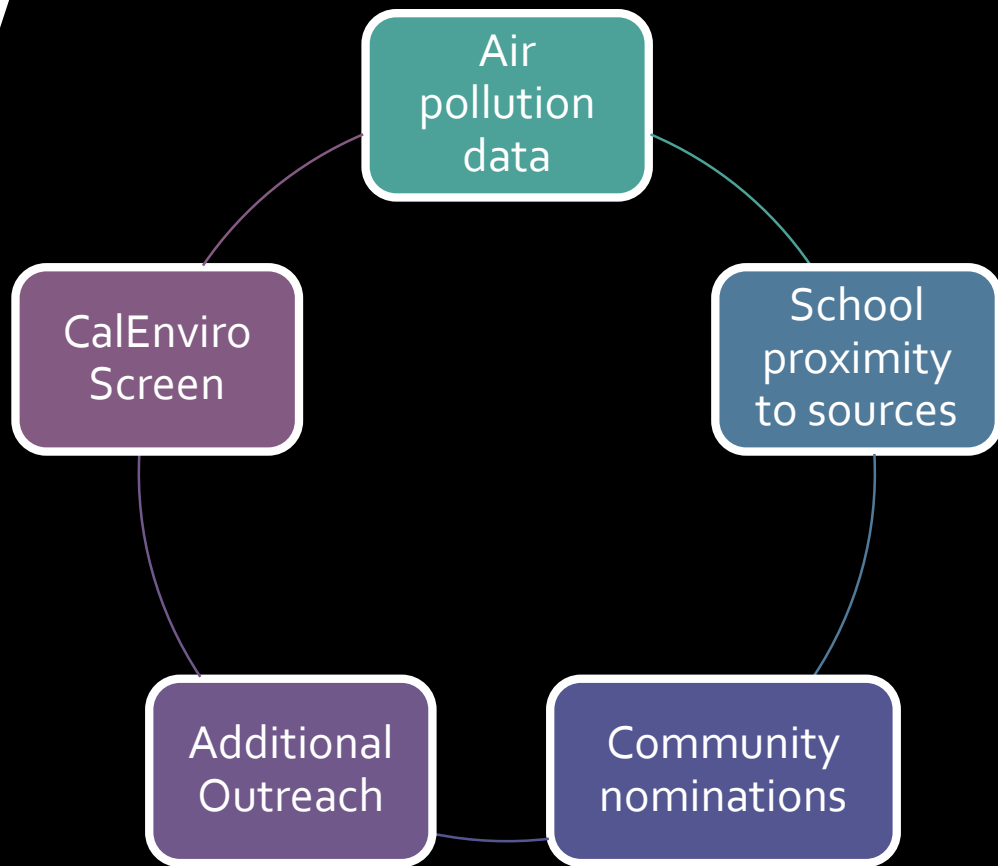


# RECOMMEND COMMUNITIES FOR ASSEMBLY BILL 617 YEAR 2 IMPLEMENTATION

**Governing Board Meeting  
September 6, 2019**

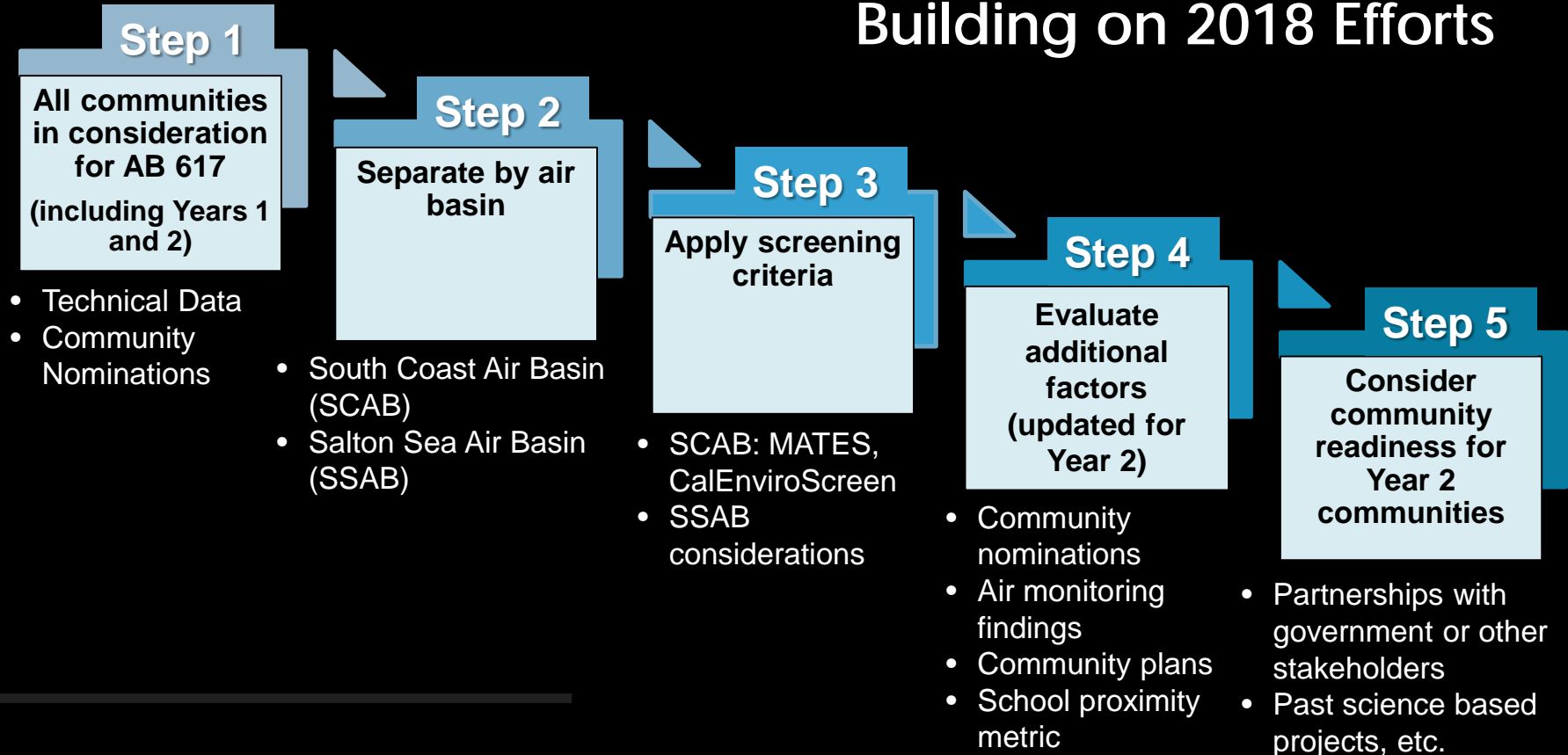
# Year 2 Community Selection

- Built upon 2018 efforts
- 6 dedicated outreach meetings: North Shore, Buena Park, Colton, Huntington Park, Jurupa Valley, South Gate
- 77 self-nominations forms received in 2019



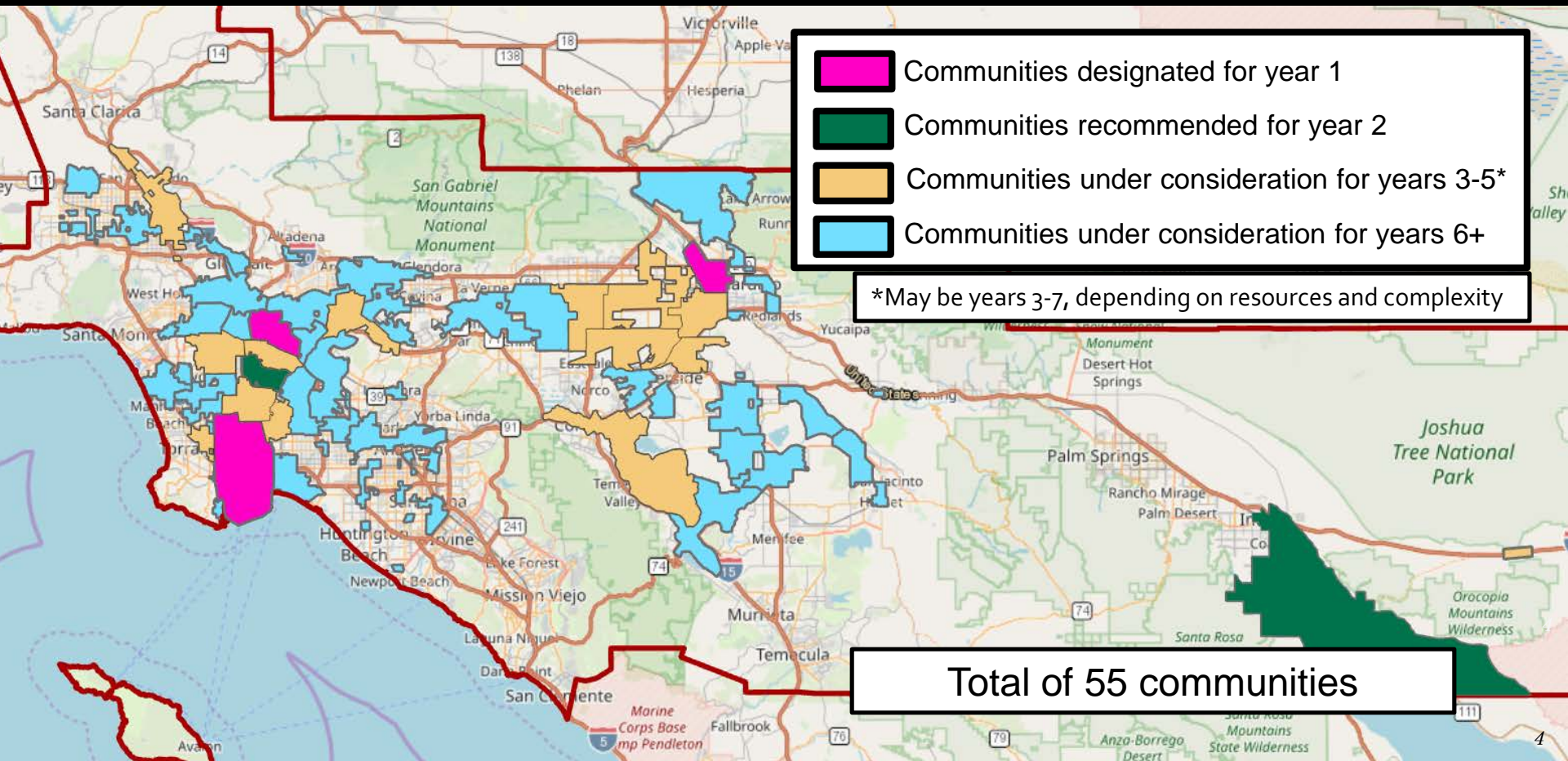
# Approach for Community Prioritization

## Building on 2018 Efforts





# Recommended Implementation Schedule



# Propose for Year 2: Eastern Coachella Valley including Indio, Coachella, Thermal, Oasis, Mecca, North Shore



## Rationale

Rural area affected by emissions from:

- Agricultural operations (e.g., biomass burning)
- Construction activities
- Unpaved roads
- Exposed Salton Sea playa



### Technical Data:

- CalEnviroScreen 3.0: 90.8<sup>th</sup> percentile





# Community Efforts in Eastern Coachella Valley



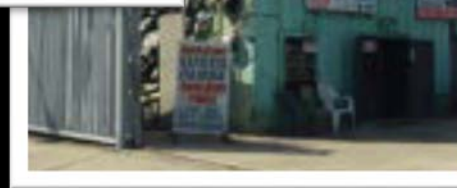
- Comite Civico del Valle partnered with South Coast AQMD on U.S. EPA STAR Grant air pollution sensors project
- Leadership Counsel for Justice & Accountability partnering with CVAG to develop the Eastern Coachella Valley's Action Plan for Climate Resilience
- Building Healthy Communities is leading a science program deploying community air and water sensors



# Propose for Year 2: South East Los Angeles including South Gate, Florence-Firestone (east), Walnut Park, Huntington Park (west), Cudahy, Bell Gardens (south)

## Rationale

- Recommended by the Board in 2018\*, but was not designated by CARB
- Densely populated community, with rail and truck traffic, and industrial facilities along Alameda Corridor and I-710



### Technical Data:

- MATES IV: 98.2<sup>nd</sup> percentile
- CalEnviroScreen 3.0: 100<sup>th</sup> percentile

\* Boundary has been modified slightly

# Community Efforts in South Gate, Florence-Firestone (east), Walnut Park, Huntington Park (west), Cudahy, Bell Gardens (south)



- LA County Public Health led a Community Risk Reduction Initiative
- South Gate Community Environmental Health Action Team (CEHAT) partnered with South Coast AQMD on low-cost sensor project
- CEHAT collaborated with several agencies to complete an Environmental Health needs assessment
- U.S. EPA Flag program implemented in local schools

# Recommendations & Next Steps

- Seeking Board approval of staff recommendations to send to CARB, along with the technical report and attachments
- December 2019 – CARB designates Year 2 communities statewide

DQCTF "O GGVKPI 'F CVG<"Ugr vgo dgt'8."423;

CI GPFC'P Q0"45"

TGRQTV<"

Ucwu'Tgr qtv'qp'Tgi wrcvqp'ZKKó'P gy 'Uwteg'Tgxky "

U PQRUK<"

Vj ku'tgr qtv'r tgugpw'yj g'hgf gtcn'Hkpcn'F gvtgto kpcvqp'qh'Gs wxcrpe{ "  
hqt'Lcpwt{'4239'yj tqwi j 'F gego dgt'42390K'r tqxkf gu'kphqto cvkqp"  
tgi ctf kpi 'yj g'ucwu'qh'Tgi wrcvqp'ZKKó'P gy 'Uwteg'Tgxky . 'k"  
o ggkpi 'hgf gtcn'P UT'tgs vktgo gpw'cpf 'uj qy u'yj cv'Uqwj 'Eqcu'  
CS OF æ'P UT'r tqi tco 'ku'k'eqo r rkcpeg'y kj 'cr r rkcdrq'hgf gtcn'  
tgs vktgo gpw'htqo 'Lcpwt{'4239'yj tqwi j 'F gego dgt'42390

EQO O KVVGG<"

P q'Ego o kwgg'Tgxky "

TGEQO O GPFGF 'CEVKQP <"

Tgegkxg'cpf 'hkg0'

Y c{pg'P cwtk"

Gzgewkxg'Qhhegt"

NV<CF FQ4 KUMV"

## SUMMARY"

Uqwj 'Eqcu'CS OF æ'P gy 'Uwteg'Tgxky "P UT+'t wrgu'cpf 'tgi wrcvqp'ctg'f guki pgf 'vq"  
eqo r n' 'y kj 'hgf gtcn'cpf 'ucv'Engcp'Ck'Cev'tgs vktgo gpw'cpf 'gpwtg'yj cv'go kuukqp"  
kpetgcugu'htqo 'pgy 'cpf 'o qf hkgf 'uwtegu'f q'pqv'kpgt'htg'y kj 'ghqtu'v'cwckp'cpf "  
o ckpcv'v'g'hgf gtcn'cpf 'ucv'ck's wcrk' 'ucpf ctf u.'y j kg'geqpqo k'e'i tqy yj 'k'yj g'Uqwj "  
Eqcu'tgi kqp'ku'pqv'wppgeguuctk' 'ko r gf gf 0Tgi wrcvqp'ZKK/'P gy 'Uwteg'Tgxky . "  
tgi wrcv'cpf 'ceeqwp'ht'cn'go kuukqp'ej cpi gu'dqy 'kpetgcugu'cpf 'f getgcugu'htqo 'yj g"  
r gto kwp' 'qh'pgy . 'o qf hkgf . 'cpf 'tgrqecv'f 'ucv'kpc' { 'uwtegu'y kj k'yj g'Uqwj 'Eqcu'  
CS OF . 'gzenw'kpi 'P Qz'cpf 'UQz'uwtegu'yj cv'ctg'uwdlgev'v'q'Tgi wrcvqp'ZZ'ó'Tgi kpcn'  
Engcp'Ck'Kpegv'xgu'O ctngv'TGENCIO +30'

<sup>3</sup>"Y j kg'yj g'TGENCIO 'rtqi tco 'ku'f hkg'gpv'yj cp'eqo o cpf 'cpf 'eqpvtqntwgu'ht'P Qz'cpf 'UQz'cpf 'r tqxkf gu"  
i tgcvt'tgi wrcvt{ 'hgzkdkk' 'v'q'dwukpguugu.'ku'P UT'tgs vktgo gpw.'cu'ur gekhgf 'k'P Twg'4227.'ctg'f guki pgf 'vq"  
eqo r n' 'y kj 'yj g'i qxgtkpi 'r tkpkr ngu'qh'P UT'eqpvcpgf 'k'yj g'hgf gtcn'Engcp'Ck'Cev'ECC+'cpf 'yj g'Ecn'kqtpk"  
Ucv'J gcnj 'cpf 'Uchgv'Eqf g0'



Twrg"3537"ó'Hgf gtcnP gy "UqwtgTgxkgy "Vtcenlpi "U{ uvgó . 'y cu'cf qr vgf "d{ "y g"Dqctf " qp"Hgdtwct{ "6."4233"vq"o clpvcip"Uqwj "Eqcu'CS O F ðu'cdlrv{ "vq"kuwg'r gto ku'vq"o clqt" uqwtgu'y cv'tgs vkt g'qhugvu."dw'qdvclp"qhugv'etgf ku'htqo "y g'Uqwj "Eqcu'CS O F ðu" Rtkqtkv{ "Tgugtxg"wpf gt "Twrg"352; Ø"ó"Rtkqtkv{ "Tgugtxg."cpf lqt"y cv'tg"gzgo r v'htqo " qhugvu'wpf gt "Uqwj "Eqcu'CS O F "Twrg"3526/"Gzgo r vqpu0Ukpeg"y gug'uqwtgu'ctg"pqv' gzgo r v'htqo "qhugvu'wpf gt"y g'hgf gtcnEngcp"Clk'Cev."Uqwj "Eqcu'CS O F "r tqxkf gu" qhugvu'htqo "Uqwj "Eqcu'CS O F ðu'kpvgtpcn'dcpnleqpuknpi "r tko ctkn{ "qh'qtr j cp" uj wf qy pu."kq0go kuukpu'htqo "uqwtgu'y cv'uj wf qy p'dw'f kf "pqv'cr r n{ "hqt"go kuukqp" tgf vevkp"etgf ku0Vj g'r vtr qug'qh'y ku'F gvgo kpcvkqp"qh'Gs wxcngpe{ "ku'vq'uj qy "y cv" yj gtg'ctg"uw'hkelpv'qhugvu'kp"y g'kpvgtpcn'dcpn'vq"eqxgt"uqwtgu'wukpi "y gug'qhugvu'hqt" yj g'{ gct"kp's wugvkqp"cpf "r tqlgvvgf "vq"dg"vugf "hqt"y g'hqmqy kpi "y q" { gctu0

Twrg"3537"tgs vkt gu'y cv."eqo o gpekpi "y kj "ecngpf ct" { gct"4232."cpf "hqt"gej "ecngpf ct" { gct"y gtgchgt. "y g'Gzgewkxg"Qhhegt"r tgr ctg'c"Rtgrko kpct { "F gvgo kpcvkqp"qh" Gs wxcngpe{ "RF G"cpf "Hlpcn'F gvgo kpcvkqp"qh'Gs wxcngpe{ "HF G+."y j lej "eqxgt"PU" cevxxkku'htq"y grxg/o qpvy "r gtlqf u0Vj g'ecngpf ct" { gct"4239"HF G"ku'tgs vkt gf "vq"dg" tgr qtvgf "vq"y g"Dqctf "cv'y g"Ugr vgo dgt"423; "Dqctf "o ggvpki 0k{ "cf f kkp."Twrg"3537" tgs vkt gu'y g'Gzgewkxg"Qhhegt"vq"ci i tgi cvg"cpf "tcen'qhugvu'f gdkgf "htqo "cpf "f gr qukvf " vq"Uqwj "Eqcu'CS O F ðu'qhugv'ceeqwpv'htq"ur gekhgf "r gtlqf u'dgw ggp"Qevdgt"3."3; ; 2" cpf "F gego dgt"53."4227"cpf "gej "ecngpf ct" { gct"htqo "4228"y tqwi j "4252"htq"r vtr qugu'qh" o cnkpi "r gtlqf le"f gvgo kpcvkpu'qh'eqo r nkpeg0Vj g'muv'cppwcn'tgr qtv'wdo kwgf "vq"y g" Dqctf "qp"Hgdtwct{ "3."423; "r tgugpvf "y g'RF G"htq"ecngpf ct" { gct"4239"cpf "f go qpwtcvf " yj cv'Uqwj "Eqcu'CS O F ðu'PU"r tqi tco "eqpvkpwgf "vq"o ggvy g'hgf gtcn'qhugv" tgs vkt go gpw'htq"ecngpf ct" { gct"42390Twrg"3537"enu'tgs vkt gu'y cv."eqo o gpekpi "y kj " ecngpf ct" { gct"4233."cpf "hqt"gej "ecngpf ct" { gct"y gtgchgt. "y g'Gzgewkxg"Qhhegt"lpenf g" kp"gej "HF G<"y g'ewo wxcvg'pgv'go kuukqp"lpetgcug'qh'gej "pqpcwckpo gpv'ck" eqpvco kpcpv'y cv'qeevttgf "cv'o clqt"cpf "o kpqt"hekkkku'htqo "Hgdtwct{ "6."4233."y g'f cvg" qh'cf qr vkp"qh'Twrg"3537."y tqwi j "y g'gpf "qh'y g'ecngpf ct" { gct"4233"tgr qtvkpi "r gtlqf " cpf "y tqwi j "y g'gpf "qh'gej "uwdugs wgpv'tgr qtvkpi "r gtlqf =cpf "y g'r tqlgvvgf "ewo wxcvg" pgv'go kuukqp"lpetgcugu'cv'y g'gpf "qh'gej "qh'y g'y q"uwdugs wgpv'tgr qtvkpi "r gtlqf u0Vj g" ecngpf ct" { gct"4239"HF G"eqpvkpu'y g'ewo wxcvg'pgv'go kuukqp"lpetgcugu'y tqwi j "y g'gpf " qh'ecngpf ct" { gct"4239"cpf "y g'r tqlgvvgf "ewo wxcvg'pgv'go kuukqp"lpetgcugu'cv'y g'gpf "qh" ecngpf ct" { gctu"423: "cpf "423; 0

Vj ku'tgr qtv'f go qpwtcvu'eqo r nkpeg"y kj "hgf gtcnP UT"tgs vkt go gpw'd{ "guvdrkuj kpi " ci i tgi cvg"gs wxcngpeg"y kj "hgf gtcn'qhugv'tgs vkt go gpw'htq"uqwtgu'y cv'y gtg"pqv'gzgo r v' htqo "hgf gtcn'qhugv'tgs vkt go gpw."dw'y gtg'gkxj gt"gzgo r v'htqo "qhugvu'qt"qdvclpgf "y gk" qhugvu'htqo "Uqwj "Eqcu'CS O F "r wtuwcpv'vq"TGi wrcvkp"Z KKK'

Vj g'HF G"htq"ecngpf ct" { gct"4239"ku'wuo o ct k gf "kp"Vcdng"30Rtqlgevkvpu'qh'Uqwj "Eqcu' CS O F ðu'hgf gtcn'qhugv'ceeqwpv'dcnpogu'htq"lcpwct{ "423: "y tqwi j "F gego dgt"423: "cpf " lcpwct{ "423; "y tqwi j "F gego dgt"423; ."cu'ur gekhgf "cpf "tgs vkt gf "r wtuwcpv'vq"Twrg" 3537\*g+."ctg'r tgugpvf "kp"Vcdng"40Vj gug'tguwmu'f go qpwtcvu'y cv'y gtg'y gtg."cpf "r tqlgv'

vj cv'vj gtg'y kn'dg."cf gs wcv'q'lhugw'cxckrdng"vq'o kki cvg'cm'cr r rdecdng"go kuukqp"  
 kpetgcugu'f wtkpi "vj gug'tgr qtv'pi "r gtlqf u0Vj ku'tgr qtv'f go qpustcvgu'vj cv.'hqt"ecrgpf ct"  
 { gct'4239"vj tqw j "423; . "Uqwj 'Eqcu'CS O F æ'P UT'r tqi tco "eqvpkpwgu'vq'o ggv'cpf "ku"  
 r tqlgevgf "vq'o ggv'hgf gtcn'q'lhugv'tgs wkt go gpw'cpf "ku'gs wkxcrgpv'vq'vj qug'tgs wkt go gpw'qp"  
 cp"ci i tgi cvg'dcu'40Ukpeg'WUOGRC'f guki pcvgf "vj g'Uqwj 'Eqcu'Ck'Dculp'cu'dgkpi "kp"  
 cwckpo gpv'y kj "vj g'hgf gtcn'EQ"ucpf ctf "ghgevkxg'Lwp'33."4229."Uqwj 'Eqcu'CS O F "  
 f qgu'pqv'tgr qtv'EQ"ceewo wrcvgf "etgf ku'cpf "ceeqwpv'dcncpegu'kp"vj ku'gs wkxcrgpe { "  
 f gvgto kpcvkp0Cm'f cv'y kn'dg"o clpckpgf "kp"vj g'wprkngn' "gxgpv'k'ku'pggf gf "kp"vj g"  
 hwwt g0WUOGRC'f guki pcvgf "vj g'Uqwj 'Eqcu'Ck'Dculp'cu'dgkpi "kp"cwckpo gpv'y kj "vj g"  
 hgf gtcn'RO 32"ucpf ctf "ghgevkxg'Lwn' "48."42350J qy gxgt."vj g'Eqcej gnc'Xcmg' "j cu'pqv'  
 cwckpgf "vj g'RO 32'P CCS U."vj gtghgtg."Uqwj 'Eqcu'CS O F "y kn'eqvpkpwg'vq'v'cnc'cpf "  
 tgr qtv'RO 32"kp"vj g'Uqwj 'Eqcu'Ck'Dculp'+ceewo wrcvgf "etgf ku'cpf "ceeqwpv'dcncpegu"  
 hqt'kphqto cvkpcnr wtr qugu'qpn'0'  
 "

**Table 1**  
**Federal Offset Accounts FDE for January 2017 through December 2017**

DESCRIPTION	VOC	NOx	SOx	PM10
<b>2016 Actual Ending Balance<sup>a</sup> (tons/day)</b>	<b>105.76</b>	<b>22.70</b>	<b>4.32</b>	<b>16.15</b>
4239'F kueqwpv'qh'Etgf ku'hqt "Uwtr nu'Cf lwuo gpv' *vqpf c { +	202"	/2027"	2022"	2022"
4239'Cewcn'Vqcn'Etgf ku'*ndulf c { +	8.: 39"	4.; 9; "	589"	3.274"
4239'Cewcn'Vqcn'F gdku'*ndulf c { +	/4.826"	/9; 9"	/689"	/3.52; "
<b>2017 Sum of Actual Credits/Debits<sup>c</sup> (lbs/day)</b>	<b>4,213</b>	<b>2,182</b>	<b>-100</b>	<b>-257</b>
<b>2017 Sum of Actual Credits/Debits<sup>c</sup> (tons/day)</b>	<b>2.11</b>	<b>1.09</b>	<b>-0.05</b>	<b>-0.13</b>
<b>2017 Actual Ending Balance<sup>d</sup> (tons/day)</b>	<b>107.87</b>	<b>23.74</b>	<b>4.27</b>	<b>16.02</b>

- a" 04238'Cewcn'Gpf kpi 'Dcncpegö'ku'hqo "Vcdng'3'qh'vj g'4239'RF G'Tgr qtv'f cvgf "Hgdwtct { '3.'423; . "
- b" Vj ku'cf lwuo gpv'ku'uwtr nu'cv'vj g'vko g'qh'wug'f kueqwpv'y j lej "ku'cnq'f kuewugf "kp'Twrg"  
 3537'e+\*6+0'
- c" Hqt'cp'gzz rncpvkqp'qh'vj g'uqwtugu'qh'etgf ku'cpf 'f gdku'r rncug'tghgt'vq'r ci g'; "qh'vj ku'tgr qtv'cu"  
 y gni'cu'Twrg'3537'e+\*cpf "vj g'Hgdwtct { '6.'4233'Twrg'3537'uchh'tgr qtv'0'Etgf ku'ctg'uj qy p'cu"  
 r qukkxg'cpf "f gdku'cu'pgi cvkxg."y j kng'vj g'uwo u'qh'etgf kul'f gdku'ctg'uj qy p'cu'r qukkxg'qt"  
 pgi cvkxg.'cu'cr r tqr tkvg0'
- d" 04239'Cewcn'Gpf kpi 'Dcncpegö'gs wcn'vj g'04238'Cewcn'Gpf kpi 'Dcncpeg.ö'r nu'vj g'04239"  
 F kueqwpv'qh'Etgf ku'hqt "Uwtr nu'Cf lwuo gpv'ö'cpf "vj g'04239'Uwo "qh'Cewcn'Etgf kul'f gdku'ö"  
 "

=====

4" Uqwj 'Eqcu'CS O F æ'P UT'r tqi tco "ku'f ggo gf "vq'dg'gs wkxcrgpv'vq'hgf gtcn'q'lhugv'tgs wkt go gpw0'Uqwj 'Eqcu'  
 CS O F æ'gpf kpi "q'lhug'ceeqwpv'dcncpegu'tgo clpgf "r qukkxg."kpf kcvkpi "vj gtg'y gtg'cf gs wcv'q'lhugw'f wtkpi "vj ku"  
 tgr qtv'pi "r gtlqf 0'

**Table 2**  
**Projections of South Coast AQMD's Federal Offset Account Balances for**  
**January 2018 through December 2018, and**  
**January 2019 through December 2019**

DESCRIPTION	VOC	NOx	SOx	PM10
<b>2017 Actual Ending Balance<sup>a</sup> (tons/day)</b>	<b>107.87</b>	<b>23.74</b>	<b>4.27</b>	<b>16.02</b>
423: "Rtqlgevgf 'F kœqwpv'qh'Etgf ku'hqt 'Uwtr nwu Cf lwuo gpv'kqpulf c{ +	/2023"	/3073"	2022"	2022"
<b>2018 Projected Starting Balance<sup>b</sup>(tons/day)</b>	<b>107.86</b>	<b>22.23</b>	<b>4.27</b>	<b>16.02</b>
423: "Vqvcn'Rtqlgevgf 'Etgf ku'ndulf c{ +	; .2: 8"	4.453"	4; ; "	3.536"
423: "Vqvcn'Rtqlgevgf 'F gdku'ndulf c{ +	/3.393"	/592"	/; 5"	/523"
<b>2018 Sum of Projected Credits/Debits<sup>c</sup> (lbs/day)</b>	<b>7,915</b>	<b>1,861</b>	<b>206</b>	<b>1,013</b>
<b>2018 Sum of Projected Credits/Debits<sup>c</sup> (tons/day)</b>	<b>3.96</b>	<b>0.93</b>	<b>0.10</b>	<b>0.51</b>
<b>2018 Projected Ending Balance<sup>d</sup> (tons/day)</b>	<b>111.82</b>	<b>23.16</b>	<b>4.37</b>	<b>16.53</b>
423; "Rtqlgevgf 'F kœqwpv'qh'Etgf ku'hqt 'Uwtr nwu Cf lwuo gpv'kqp lf c{ +	/2023"	/3076"	2022"	2022"
<b>2019 Projected Starting Balance (tons/day)</b>	<b>111.81</b>	<b>21.62</b>	<b>4.37</b>	<b>16.53</b>
423; "Vqvcn'Rtqlgevgf 'Etgf ku'ndulf c{ +	: .965"	4.553"	546"	3.566"
423; "Vqvcn'Rtqlgevgf 'F gdku'ndulf c{ +	/3.232"	/663"	/334"	/583"
<b>2019 Sum of Projected Credits/Debits<sup>c</sup> (lbs/day)</b>	<b>7,733</b>	<b>1,890</b>	<b>212</b>	<b>983</b>
<b>2019 Sum of Projected Credits/Debits<sup>c</sup> (tons/day)</b>	<b>3.87</b>	<b>0.95</b>	<b>0.11</b>	<b>0.49</b>
<b>2019 Projected Ending Balance<sup>e</sup> (tons/day)</b>	<b>115.68</b>	<b>22.57</b>	<b>4.48</b>	<b>17.02</b>

<sup>a</sup> " 04239'Cewcn'Gpf kpi 'Dcncpegö'cu'uj qy p'kp'Vcdng'30'

<sup>b</sup> " Vj ku'cf lwuo gpv'ku'uwtr nwu'c'v'j g'ko g'qh'wug'f kœqwpv'y j lej 'ku'cnq'f kœwugf 'kp'Twng'  
3537'e+\*6+0'

<sup>c</sup> " Hqt'cp'gzc rncpv'qp'qh'v'j g'uqwtgu'qh'etgf ku'cpf 'f gdku'r ncug'tghgt'v'q'ci g'; 'qh'v'j ku'tgr qtv'cu"  
y gni'cu'Twng'3537'e+\*6+0'cpf 'v'j g'Twng'3537'uc'ht'gr qtv'0'Etgf ku'ctg'uj qy p'cu'r quklxg'cpf 'f gdku'cu"  
pgi cv'xg.'y j kg'v'j g'uwo u'qh'etgf kulF gdku'ctg'uj qy p'cu'r quklxg'qt'pgi cv'xg.'cu'cr r tqr tlc'vg0'

<sup>d</sup> " 0423: 'Rtqlgevgf 'Gpf kpi 'Dcncpegö'gs wcn'v'j g'04239'Cewcn'Gpf kpi 'Dcncpegö'r nwu'v'j g'0423: "  
Rtqlgevgf 'F kœqwpv'qh'Etgf ku'hqt 'Uwtr nwu'Cf lwuo gpv'0'cpf 'v'j g'0423: 'Uwo 'qh'Rtqlgevgf "  
Etgf kulF gdku0"

<sup>e</sup> " 0423; 'Rtqlgevgf 'Gpf kpi 'Dcncpegö'gs wcn'v'j g'0423: 'Rtqlgevgf 'Gpf kpi 'Dcncpegö'r nwu'v'j g'0423; "  
Rtqlgevgf 'F kœqwpv'qh'Etgf ku'hqt 'Uwtr nwu'Cf lwuo gpv'0'cpf 'v'j g'0423; 'Uwo 'qh'Rtqlgevgf "  
Etgf kulF gdku0"



**Table 3**  
**Cumulative Net Emission Increase**  
**(February 4, 2011 – December 31, 2017)**

"

DESCRIPTION	VOC	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>
<b>2016 Net Emission Increase<sup>a</sup> (tons/day)</b>	<b>-18.02</b>	<b>-2.58</b>	<b>-0.87</b>	<b>-1.30</b>
4239"Kpetgcugu'lp'Rqvgpvcn'v'Go k'v'q'pulf c { +	3083"	20 8"	2054"	3047"
4239"F getgcugu'lp'Rqvgpvcn'v'Go k'v'q'pulf c { +	/6048"	/30 8"	/2045"	/2088"
<b>Cumulative Net Emission Increase<sup>d</sup> (tons/day)</b>	<b>-20.67</b>	<b>-3.58</b>	<b>-0.78</b>	<b>-0.71</b>
<b>Rule 1315(g) Table B Threshold (through December of 2017 - tons/day)</b>	<b>8.85</b>	<b>0.68</b>	<b>0.21</b>	<b>1.29</b>

- a 04238"P gv'Go kuukp"Kpetgcugö'ku'itqo "Vcdrg"5"qh'yj g'HF G'tgr qtv'f cvgf "Ugr vgo dgt"9."423: 0
- b" Kpetgcugu'lp'r qvgpvcn'v'go k'yj cv'qeewt"cv'o clqt"cpf "o k'pqt'hcekkkgu'r wtuwcpv'vq"Twrg"3526"qt" Twrg"352; Ø0'
- c" F getgcugu'lp'r qvgpvcn'v'go k'yj cv'qeewt"cv'o clqt"cpf "o k'pqt'hcekkkgu'r wtuwcpv'vq"Twrg"3526"qt" Twrg"352; Ø0'
- d" ðEwo wv'v'xg"P gv'Go kuukp"Kpetgcugö'ku'yj g'lwö "qh'yj g'lpetgcugu'cpf "f getgcugu'lp'yj g'r qvgpvcn'v'go k'yj cv'qeewt"cv'o clqt"cpf "o k'pqt'hcekkkgu'r wtuwcpv'vq"Twrg"3526"qt"Twrg"352; Ø"qxgt'yj g" r gtkqf "qh'Hgdtwct { "6."4233"yj tqwi j "F gego dgt"53."42390'

"

"

"

"

**Table 4**  
**Projections of Cumulative Net Emission Increase**  
**January 2018 through December 2018, and**  
**January 2019 through December 2019**

DESCRIPTION	VOC	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>
<b>2017 Net Emission Increase<sup>a</sup> (tons/day)</b>	<b>-2.65</b>	<b>-1.00</b>	<b>-0.22</b>	<b>0.59</b>
423: 'Rtqlgevgf 'Go kuukqp'Kpetgcug <sup>b</sup> *qpulfc { +	4047"	20 9"	2083"	2084"
423: 'Rtqlgevgf 'Go kuukqp'F getgcug <sup>b</sup> *qpulfc { +	/7072"	/3078"	/2054"	/20 2"
<b>2018 Projected Cumulative Net Emission Increase<sup>c</sup> (tons/day)</b>	<b>-5.90</b>	<b>-1.69</b>	<b>-0.43</b>	<b>0.41</b>
<b>Rule 1315(g) Table B 2018 Threshold (tons/day)</b>	<b>10.12</b>	<b>0.76</b>	<b>0.24</b>	<b>1.48</b>
423; 'Rtqlgevgf 'Go kuukqp'Kpetgcug <sup>d</sup> *qpulfc { +	4082"	20 : "	2083"	208: "
423; 'Rtqlgevgf 'Go kuukqp'F getgcug <sup>d</sup> *qpulfc { +	/7047"	/3087"	/2058"	/20 3"
<b>2019 Projected Cumulative Net Emission Increase<sup>e</sup> (tons/day)</b>	<b>-9.05</b>	<b>-2.46</b>	<b>-0.68</b>	<b>0.28</b>
<b>Rule 1315(g) Table B 2019 Threshold (tons/day)</b>	<b>11.39</b>	<b>0.84</b>	<b>0.27</b>	<b>1.67</b>

- <sup>a</sup> 04239'P gv'Go kuukqp'Kpetgcugö'ku'vj g'uwo "qh'vj g'04239'Kpetgcug'lp'Rqvgpvkcn'vq'Go kö"cpf "04239" F getgcug'lp'Rqvgpvkcn'vq'Go kö'uj qy p'lp"Vcdng"50
- <sup>b</sup> 0423: 'Rtqlgevgf 'Go kuukqp'Kpetgcugö"cpf "0423: 'Rtqlgevgf 'Go kuukqp'F getgcugö"ctg'vj g'cxgtci gu" qh'vj g'4235."4236."4237."4238"cpf "4239'Kpetgcugu"cpf "f getgcugu."t gur gevkgñ{ ."lp"r qvgpvkcn'vq" go kö'
- <sup>c</sup> 0423: 'Rtqlgevgf 'Ewo wrvkvxg'P gv'Go kuukqp'Kpetgcugö'ku'vj g'uwo "qh'vj g'0423: 'Rtqlgevgf 'Go kuukqp' Kpetgcugö"cpf "0423: 'Rtqlgevgf 'Go kuukqp'F getgcugö"cf f gf "vq'vj g'04239'P gv'Go kuukqp'Kpetgcugö"
- <sup>d</sup> 0423; 'Rtqlgevgf 'Go kuukqp'Kpetgcugö"cpf "0423; 'Rtqlgevgf 'Go kuukqp'F getgcugö"ctg'vj g'cxgtci gu" qh'vj g'4236."4237."4238."4239"cpf "r tqlgevgf "423: 'Kpetgcugu"cpf "f getgcugu."t gur gevkgñ{ ."lp" r qvgpvkcn'vq"go kö'
- <sup>e</sup> 0423; 'Rtqlgevgf 'Ewo wrvkvxg'P gv'Go kuukqp'Kpetgcugö'ku'vj g'uwo "qh'vj g'0423; 'Rtqlgevgf 'Go kuukqp' Kpetgcugö"cpf "0423; 'Rtqlgevgf 'Go kuukqp'F getgcugö"cf f gf "vq'vj g'0423: 'Rtqlgevgf 'Ewo wrvkvxg" P gv'Go kuukqp'Kpetgcugö"

### **Background**

Uqwj 'Eqcu'CS O F "qtki kpcmf "cf qr vgf "ku'P gy "Uqwtg'Tgxkgy "Twrgu"cpf "Tgi wrvkvq" \*P UT"r tqi tco +lp"3; 980"WUOGRC"cr r tqxgf "Uqwj 'Eqcu'CS O F ð'P UT"r tqi tco "lpvq" vj g'Ucvg'Kö r ngo gpvkvq'Rncp\*"UKR+lpklcmf "qp'lpwct{ "43."3; : 3"\*68HT7; 87+cpf "ci clkp" qp'F gego dgt "6."3; ; 8"\*83HT864; 3+0WUOGRC"cr r tqxgf "Uqwj 'Eqcu'CS O F ð'O c{ "5." 4224"Twrg"352; 0"co gpf o gpv'lpvq'vj g'UKR"qp'lpvg"3; ."4228"\*93HT57379+0Vj g" qtki kpcn'r tqi tco "j cu'gxqrgf "lpvq'vj g'ewttgpv'xgtukqp"qh'vj g'Tgi wrvkvq"Z KKKt wrgu"lp"

tgur qpug'vq'hgf gten'cpf 'ucv'ngi cn'tgs wkt go gpw'cpf 'y g'ej cpi kpi 'pggf u'qh'y g'mecn' gpxktqpo gpv'cpf 'geqpqo { 0'Ur gekhe'co gpf o gpw'vq'y g'P UT'twgu'y gtg'cf qr vgf 'd { 'y g' Dqctf 'qp'F gego dgt'8.'4224'vq'hcekkcvg'cpf 'rtqxf g'cf f kkpqcn'qr vkpu'hqt'etgf kv' i gpgtcvkp'cpf 'wug0Twr'3537'y cu'cf qr vgf 'cpf 'tg/cf qr vgf 'qp'Ugr vgo dgt': . '4228'cpf " Cwi wuv'5.'4229.'tgur gev'xgn' 0Twr'352; 0'y cu'co gpf gf 'cpf 'tgr rcegf 'qp'Ugr vgo dgt': . " 4228'cpf 'Cwi wuv'5.'4229.'tgur gev'xgn' 0Qp'P qxgo dgt'5.'422: . 'lp'tgur qpug'vq'c'rcy 'uwk' hkgf 'd { 'c'i tqwr 'qh'gpxktqpo gpv'cni'qti cpk cvkpu.'c'Eckhqtple'Ucv'Uwr gktqt'Eqwtv'wfi g' kp'y g'Eqwpv' { 'qh'Nqu'Cpi grgu'kpxckf cvgf 'y g'Cwi wuv'5.'4229'cf qr vgf 'Twr'3537'cpf " co gpf o gpw'vq'Twr'352; 0.'cpf 'rtqj kdkgf 'Uqwj 'Eqcu'CS O F 'Itqo 'cni'kpi 'cp { 'cevkp' vq'ko r ngo gpv'Twr'3537'qt'y g'co gpf o gpw'vq'Twr'352; 0'wpv'kik'j cf 'rtgr ctgf 'c'pgy " gpxktqpo gpv'cuuguu gpv'wpgt'y g'Eckhqtple'Gpxktqpo gpv'cni'wcrk' { 'Cev'\*EGS C+0Qp' Hgdwtct { '6.'4233'Uqwj 'Eqcu'CS O F 'cf qr vgf 'c'tgkugf 'cpf 'gpj cpegf 'xgtukp'qh'Twr' 3537.'y j lej 'lpenf gf 'c'pgy 'EGS C'cuuguu gpv'0'WU0GRC'cr r tqxf 'Twr'3537'kp'vq'y g' UR'kp'4234'\*99HI43522+.'cpf 'y ku'cr r tqxcl'y cu'w'j grf 'd { 'y g'WU0Eqwtv'qh'Cr r gcu' hqt'y g'P kp'y 'Etewk/Eqwtv'kp'42370' "

Qpg'grgo gpv'qh'Uqwj 'Eqcu'CS O F au'P UT'r tqi tco 'f guki p'ku'vq'qh'ugv'go kuukp' kpetgcugu'kp'c'o cpgt'cv'hcuv'gs wxcrgpv'vq'hgf gten'cpf 'ucv'ucwwqt { 'P UT' tgs wkt go gpw'Uqwj 'Eqcu'CS O F au'P UT'r tqi tco 'ko r ngo gpw'vq'y g'hgf gten'cpf 'ucv' ucwwqt { 'tgs wkt go gpw'hqt'P UT'cpf 'gpwt'gu'y cv'eqpwtwvkp'cpf 'qr gtcvkp'qh'pgy . " tgmecv'gf 'cpf 'o qf kkgf 'ucv'kpet { 'uqtegu'f qgu'pqv'kpgthtg'y kj 'rtqi tguu'vqy ctf u' cwckpo gpv'qh'y g'P cvkpcn'cpf 'Ucv'Co dkgpv'Ck'S wcrk' { 'Ucpf ctf u'Uqwj 'Eqcu' CS O F au'eqo r wgtk gf 'go kuukp'tcen'kpi 'u'u'go 'ku'wugf 'vq'f go qpwtcv'gs wxcrgpeg' y kj 'hgf gten'cpf 'ucv'qh'ugv'tgs wkt go gpw'qp'cp'ci i tgi cv'gduku0Ur gekhe'P UT' tgs wkt go gpw'qh'hgf gten'rcy 'ctg'r tgu'pvgf 'dgm'y 0' "

## Federal Law

Hgf gten'P UT'tgs wkt go gpw'xct { 'y kj 'tgur gev'vq'y g'ctgc'au'cwckpo gpv'ucwu'cpf " emuukhecvkp'0'Dcugf 'qp'y gkt'emuukhecvkp'kp'4229.'y g'Uqwj 'Eqcu'Ck'Dculp' \*UECD'+cpf 'Ucnqp'Ugc'Ck'Dculp'\*UUCD'+o wuv'eqo r n' { 'y kj 'y g'tgs wkt go gpw'hqt' ugxgtg'39'cpf 'ugxgtg'pqp/cwckpo gpv'ctgcu.'tgur gev'xgn'. 'hqt'q' qp'g'r tgewtuqtu'\*kq0'XQE' cpf 'P Qz+0J qy gxgt.'kp'O c { '4232.'y g'UECD'y cu'tg/f guki pcvgf 'cu'cp'gzvgo g'pqp/ cwckpo gpv'ctgc'hqt'q' qp'g0F wtkpi 'y g'4239'gs wxcrgpe { 'r gtlkf . 'dqy 'y g'UECD'cpf " y g'UUCD'eqo r rkgf 'y kj 'y gkt'tgur gev'xg'tgs wkt go gpw'hqt'q' qp'g'pqp/cwckpo gpv'cpf " ugtkqwu'pqp/cwckpo gpv'hqt'RO 32'cpf 'ku'r tgewtuqtu'\*kq0'XQE.'P Qz.'cpf 'UQz+50'UUCD' ku'eqpukf gtgf 'kp'cwckpo gpv'hqt'EQ0WU0GRC'f guki pcvgf 'y g'UECD'cu'kp'cwckpo gpv' y kj 'hgf gten'EQ'ucpf ctf u'qp'Lxpg'33.'42290Uctv'kpi 'ecrgpf ct' { gct'4239.'Uqwj 'Eqcu' CS O F 'f kf 'pqvtgr qtv'EQ'ceewo wrcvgf 'etgf ku'cpf 'ceeqwpv'dcncpegu'kp'y ku'gs wxcrgpe { " f gyto kpcvkp'0Dqy 'UECD'cpf 'UUCD'ctg'eqpukf gtgf 'kp'cwckpo gpv'hqt'UQ4'cpf 'P Q4= "

\*\*\*\*\*

<sup>5</sup>'Cu'qh'Lwn'48.'4235.'UECD'y cu'tgf guki pcvgf 'cu'kp'cwckpo gpv'hqt'y g'hgf gten'46/j qwt'RO 32'ucpf ctf 'cpf 'WU0 GRC'cr r tqxf 'c'RO 32'o ckgp'cpeg'r rcp0Uqwj 'Eqcu'CS O F 'y kn'eqpv'kpw'vq'tcen'cpf 'tgr qtv'RO 32' ceewo wrcvgf 'etgf ku'cpf 'ceeqwpv'dcncpegu'hqt'lp'hto cvkpcn'r wtr qugu'qpn' 'kp'y g'UECD'cpf 'hqt'gs wxcrgpe { 'kp' y g'UUCD'\*Eqcej gmc'Xcmg { +0' "



## South Coast AQMD's Offset Accounts

Hqt'yj ku'tgr qtv'hgf gtcn'f gdk/cpf 'etgf k'cee'qwpv'kpi 'hqt'Uqwj 'Eqcu'CS O F 'qh'ugv' cee'qwpv'y cu'eqpf we'gf 'r wtuwcpv'v'q'y g'uco g'r tqegf wtgu'r t'gxk'wun' 'ci tggf 'v'q'd' 'WUO' GRC'cpf 'cu'f g'np'gcv'f 'kp'Twrg'3537'cpf 'f guet'kd'gf 'kp'yj g'uch'h'tgr qtv'Gcej 'qh'yj g' r qmwcpw'uwdlgev'v'q'qh'ugv'tgs wkt go gpw'j cu'ku'qy p'hgf gtcn'qh'ugv'cee'qwpv'Uqwj 'Eqcu' CS O F 'a'P UT'r tqi tco 'ku'eqpuk'f gtgf 'v'q'r tqxkf g'gs w'kxc'ngpv'qt'i tgc'vgt 'qh'ugv'qh' go ku'kqpu'cu'tgs wkt gf 'd' 'hgf gtcn'tgs wkt go gpw'j hqt'gcej 'uwdlgev'r qmwcpv'r tqxkf gf 'y g' dcm'peg'qh'qh'ugv'kp'Uqwj 'Eqcu'CS O F 'a'hgf gtcn'qh'ugv'cee'qwpv'hqt'gcej 'r qmwcpv' tgo c'kpu'r qu'k'k'x'g'0

## Debit Accounting

Uch'h'tcemi'cm'go ku'kqp'kpetgcugu'yj cv'tg'qh'ugv'yj tqwi j 'y g'Rt'k'kt'k'v' 'T'gugtx'g'qt'yj g' Eqo o w'p'k'v' 'Dcpm'cu'y gm'cu'cm'kpetgcugu'yj cv'tg'gz go r v'ht'qo 'qh'ugv'tgs wkt go gpw' r wtuwcpv'v'q'Twrg'3526'o'Gz go r v'k'qpu'0'Vj gug'kpetgcugu'ctg'cm'f gdk'gf 'ht'qo 'Uqwj 'Eqcu' CS O F 'a'hgf gtcn'qh'ugv'cee'qwpv'yj gp'yj g' 'qee'w'cv'hgf gtcn'o clqt'uq'wte'gu'0'Hqt'hgf gtcn' gs w'kxc'ngpe' 'f go qpu'tcv'k'qpu.'cp'qh'ugv'tcv'k'qh'304/v'q/30'ku'wugf 'hqt'gz v'go g'pqp/ cw'kpo gpv'r qmwcpw'\*q' qpg'cpf 'q' qpg'r tge'wtuqtu.'k'g'0'XQE'cpf 'P Qz'+cpf 'c'30/v'q/30' tcv'k'ku'wugf 'hqt'cm'q'yj gt'pqp/cw'kpo gpv'r qmwcpw'\*pqp/q' qpg'r tge'wtuqtu.'k'g'0'UQz'cpf " RO 32+'v'q'qh'ugv'cp' 'uwej 'kpetgcugu'0'Vj cv'ku.'304'r qwpf u'ctg'f gf we'gf 'ht'qo 'Uqwj 'Eqcu' CS O F 'qh'ugv'cee'qwpv'hqt'gcej 'r qwpf 'qh'o czko wo 'cm'y cdr'g'r gto kw'gf 'r qv'gp'kcn'v'q' go k'XQE'qt'P Qz 'kpetgcug'cv'c'hgf gtcn'uq'wte'g'cpf '30'r qwpf 'ku'f gf we'gf 'hqt'gcej " r qwpf 'qh'o czko wo 'cm'y cdr'g'r gto kw'gf 'r qv'gp'kcn'v'q'go k'UQz'qt'RO 32'cv'c'hgf gtcn' uq'wte'g'0C'o qt'g'f gvc'k'gf 'f guet'kr v'k'qp'qh'hgf gtcn'f gdk'cee'qwpv'kpi 'ku'r tqxkf gf 'kp'yj g'Twrg' 3537'uch'h'tgr qtv'f cv'gf 'Lcpwct' '9.'4233'cpf 'Twrg'3537'e+\*4+0'

Hwt'yj gto qtg.'v'q'eqo r n' 'y kj 'WUO'GRC'a'P UT'Tgh'qto 'tgs wkt go gpw'cr r r'ec'cd'rg'v'q' gz v'go g'pqp/cw'kpo gpv'ctgcu'hqt'q' qpg.'y g'Uqwj 'Eqcu'CS O F 't'cemi'ej cpi gu'v'q' h'ek'k'v' /y k'f g'iko ku'w'pf gt'Twrg'3526'o'Gz go r v'k'qpu'cpf 'f gdku'cp' 'kpetgcugu'ht'qo 'y g' hgf gtcn'qh'ugv'cee'qwpv'cee'qtf kpi n' 0'

## Credit Accounting

Yj gp'go ku'kqpu'ht'qo 'c'r gto kw'gf 'uq'wte'g'ctg'r gto cpg'pwn' 't'gf we'gf '\*g'0'k'pux'cm'cv'k'qp'qh' eqp'tqn'gs wkr o gpv.'tgo qxcn'qh'yj g'uq'wte'g'+cpf 'y g'go ku'kqp'tgf we'k'qp'ku'pqv'tgs wkt gf 'd' " twrg'qt'ncy 'cpf 'ku'pqv'ec'ngf 'hqt'd' 'cp'CS O R'eqp'tqn'o gcu'wt'g'yj cv'j cu'd'ggp'cu'ki pgf "c" v'cti g'v'ko r ngo gpvc'k'qp'f cv'g'. 'y g'r gto k'j qrf gt'o c' 'cr r n' 'hqt'GTEu'hqt'yj g'r qmwcpw' tgf we'gf 0'k'yj g'r gto k'j qrf gt'hqt'yj g'uq'wte'g'i gpgtc'k'pi 'y g'go ku'kqp'tgf we'k'qp'j cf " r t'gxk'q'wun' 't'geg'k'x'gf 'qh'ugv'ht'qo 'Uqwj 'Eqcu'CS O F 'qt'j cu'c'r qu'k'k'x'g'P UT'dcm'peg' \*k'g'0'r tg/3; ; 2'pgv'go ku'kqp'kpetgcug+'yj g's wcp'k'v' 'qh'Uqwj 'Eqcu'CS O F 'qh'ugv'wugf " qt'yj g'co qwp'v'qh'yj g'r qu'k'k'x'g'P UT'dcm'peg'ku'uwd'tcev'gf 'ht'qo 'y g'tgf we'k'qp'cpf 'r c'k' " dcm'v'q'Uqwj 'Eqcu'CS O F 'a'cee'qwpv'r t'k'qt'v'q'ku'w'c'peg'qh'cp'GTE'r wtuwcpv'v'q'Twrg' 35280'k'p'egt'cv'k'p'q'j gt'ecugu.'r gto k'j qrf gtu'f q'pqv'cny c' 'u'wdo k'cr r r'ec'cv'k'qpu'v'q'enc'lo "

\*\*\*\*\*

8" Tgh'gt'v'q'Twrg'352; \*d+hqt'c'eqo r r'eg'v'gzr r'epcv'k'qp'qh'g'ri k'k'k'v' 'tgs wkt go gpw'0

GTEu"qt" f q"pqv's wcrkh{ "v"qdvclp"GTEu"htq"vj gk"gs wkr o gpv'uj wf qy pu"qt"qj gt"grki kdrng"  
go kuukqp"tgf wevkpu0Vj gug"wpcklo gf "tgf wevkpu"ctg"tghgttgf "v"cu"oqtr j cp"uj wf qy puo"  
cpf "ctg" f gr qukgf "lp"Uqwj "Eqcu"CS O F au"qhugv"ceeqwpw0GTEu"r tqxkf gf "cu"qhugv"u'd{ "  
o clqt"uqwtegu"lp"gzegu"qh"vj g"cr r rlecdrg"hgf gtcml /tgs wkt gf "qhugv"tcvkq"cpf "cmiGTEu"  
r tqxkf gf "cu"qhugv"u'd{ "o lpqt"uqwtegu"pqv'uwdlgev"vq"hgf gtcn"qhugv"tgs wkt go gpw"ctg"cuq"  
f gr qukgf "lp"Uqwj "Eqcu"CS O F au"hgf gtcn"qhugv"ceeqwpw0C"o qtg" f gvcckgf "f guetkr vkqp"  
qh"hgf gtcn"letgf k'ceeqwpvpi "ku"r tqxkf gf "lp"Twg"3537\*e+\*5+C+"cpf "ku"uvch'tgr qtv'f cvgf "  
Lcpwct{ "9."42330""

### **Determination of Equivalency with Federal Offset Requirements**

Vj g"hgf gtcn"qhugv"tgs wkt go gpw"HF G"htq"ecrgpf ct "{ gct"4239"cpf "vj g"r tqlgcvkpu"htq"  
ecrgpf ct "{ gctu"423: "cpf"423; "ctg"uwo o ctkt gf "lp"Vcdrgu"3"cpf"4."t gur gevkgu"0Vj g"  
f gvcckgf "ku"pi "qh'ceewcn"hpkn'y kj f tcy cnu."f gr quku"cpf "uwo "qh'y kj f tcy cnu"cpf "  
f gr quku"ctg"uj qy p"lp"Vcdrgu"C."D."cpf "E"qh"Cwej o gpv'3"v"vj ku'tgr qtv'  
"

Vj gug"ceeqwpv'dcmpegu."uj qy p"lp"Vcdrgu"C"cpf "D."tghge'v"vj g'tcenkpi "ugs wgepg"  
f guetkdgf "wpf gt"Twg"3537\*e+\*7+0'

### **California Environmental Quality Act Backstop Provisions"**

kp"cf f kkkp"v"vj g"gs wxcngpe{ "f go qpwtcvkq"y kj "vj g"hgf gtcn"qhugv"tgs wkt go gpw."Twg"  
3537\*i +tgs wkt gu"vj g'tcenkpi "qh'cmi"lpetgcugu"lp"r qvvpkn"v"go k'vj cv'qee'w"cv'o lpqt"cpf "  
o clqt"hcckkkgu"cpf "gpwtg"vj cv'vj g'ewo wrcvkg"pgv'go kuukqp"lpetgcugu"lp"cp{ "i kxgp "{ gct "  
tgo clp"dgmy "vj g"vj tguj qrf u."guvcdikuj gf "lp"Twg"35370""  
"

Rwtuwpv"v"Twg"3537\*i +\*3+."pgv'go kuukqp"lpetgcugu"qh'pqpccwkp o gpv'ckt"eqpco kpcpv"  
cv'o clqt"cpf "o lpqt"hcckkkgu"ctg"dcugf "qp"vj g"uwo "qh'lpetgcugu"cpf "f getgcugu"lp"  
r qvvpkn"v"go k'cv'o clqt"cpf "o lpqt"hcckkkgu"r wtuwpv"v"Twg"3526"o"Gz go r vkpu"qt"  
Twg"352; 0"o"Rtkqtkv{ "Tgugtxg0"  
"

Kpetgcugu"lp"r qvvpkn"v"go k'htq"o clqt"cpf "o lpqt"uqwtegu"lpemf g"r qvvpkn"v"go k"  
lpetgcugu"htqo "vj g"Rtkqtkv{ "Tgugtxg"qt"Ego o wpkv{ "Dcpnr wtuwpv"v"Twg"352; 0"cpf "  
gz go r vkpu"htqo "vj g"qhugv"tgs wkt go gpw"qh"Twg"3525"o"tgs wkt go gpw"r wtuwpv"v"Twg"  
3526"o"Gz go r vkpu0'  
"

F getgcugu"v"r qvvpkn"v"go k'htq"o clqt"cpf "o lpqt"uqwtegu"lpemf g."dw'ctg"pqv'rko kgf "  
vq."r qvvpkn"v"go k'tgf wevkpu"cu"t'guwn"qh"qtr j cp"uj wf qy pu"cpf kt"qtr j cp"  
tgf wevkpu0'  
"

kp"cf f kkkp."r wtuwpv"v"Twg"3537\*i +\*4+."r tqlgcvkpu"qh'ewo wrcvkg"pgv'go kuukqp"  
lpetgcugu"cv'vj g"gpf "qh'vj g'y q"uwdugs wgpvt'gr qt vpi "r gkqf u'ctg"dcugf "wr qp"vj g'exgtci g"  
qh'vj g'ci i tgi cvg"lpetgcug"lp"r qvvpkn"v"go k'qh'gcej "pqpccwkp o gpv'ckt"eqpco kpcpv"cpf "  
vj g'exgtci g'qh'vj g'ci i tgi cvg"go kuukpu"tgf wevkpu"qh'vj g"uco g"pqpccwkp o gpv'ckt"  
eqpco kpcpv"htq"vj g'hxg'tgr qt vpi "r gkqf u'o quvt'gegpv{ "lpemf gf "lp"c"RF G"qt"cp"HF G"

hqt"geej "qh'yj g'tgr qtvkpi 'r gtlqf u'eqo o gpekpi 'y kj "yj g"4233'tgr qtvkpi 'r gtlqf."

y j lej gxtg'tku'hgy gt'tgr qtvkpi 'r gtlqf u0Hqt'ecrgpf ct"{ gct"4239'HF G."yj g'cxgtci gu'ctg"

dcugf "qp'yj g"4235."4236."4237."4238'cpf "4239'kpetgcugu'kp'r qvgpvkcn'vq"go k'cpf "

go kuukqpu'tgf wevkpu0Vj g'r vtr qug'qh'Twrg"3537'i +ku'vq"gpwtg'yj cv'ko r ngo gpvcvkp'qh'

Twrg"3537'f qgu'pqv'ecwug"go kuukq'kpetgcugu'dg{ qpf "yj qug'cpcn| gf 'kp'yj g'EGS C"

f qewo gpv'hqt"Twrg"35370'

"

Ewo wrcvxg'pgv'go kuukq'kpetgcugu'cpf 'r tqlgevgf "ewo wrcvxg'pgv'go kuukq'kpetgcugu"

o wuv'tgo clp'dgmjy "yj g'yj tguj qrf u'uj qy p'kp"Vcdrg'D'qh'Twrg"3537'kp'qtf gt'hqt'yj g"

Gzgewkxg"Qhhegt"vq'dg'cdrg'vq"eqpvkpwg'vq'kuuwg'r gto ku'vq'gzgo r v'uwtegu'r wtuwcpv'vq"

Twrg"3526'qt'uwldgevg'vq"Twrg"352; Ø'Rtkqtkv' "Tgugtxg0'

## Conclusions"

Vj g'cpcn' uku'r tgujpv'kf "kp'yj ku'tgr qtv'f go qpwtcvgu'yj g'hqmjy kpi <"

"

- Hqt'ecrgpf ct"{ gct"4239."Uqwj "Eqcu'CS O F æ'P UT'r tqi tco 'r tqxkf gu"
- gs wxcrnpv'qh'ugv'vq'yj qug'tgs vktgf 'd{ 'hgf gtcn'P UT'tgs vktgo gpw'cpf 'ku'
- gs wxcrnpv'vq'yj g'hgf gtcn'tgs vktgo gpw'qp'cp'ci i tgi cvg'dcu0Vj ku'eqpenwukp'ku'
- dcugf "qp'yj g'hcev'yj cv'yj g'hkpcn'gpf kpi "qh'ugv'cee'qwpv'dcncpegu'hqt'yj ku'ecrgpf ct"
- { gct'tgr qtvkpi 'r gtlqf."cu'uj qy p'kp"Vcdrg"3."tgo clpgf 'r qukkxg'hqt'cm'r qmwcpw0'
- Uqwj "Eqcu'CS O F æ'r tqlgevgf "qh'ugv'cee'qwpv'dcncpegu'hqt"423: "cpf "423; "ctg"
- r tqlgevgf "vq'tgo clp'r qukkxg0Vj ku'o gcpu'yj cv'yj g'uwo "qh'yj g'guko cvgf 'f gr quku"
- vq'cpf 'y kj f tcy cnu'htqo "Uqwj "Eqcu'CS O F æ'qh'ugv'cee'qwpv'f wtkpi "423: "cpf "
- 423; "ctg'r tqlgevgf "vq'tgo clp'r qukkxg'cpf ."yj gtghqtg."f go qpwtcvgu'yj cv'Uqwj "
- Eqcu'CS O F æ'P UT'r tqi tco 'ku'gs wxcrnpv'vq'hgf gtcn'P UT'tgs vktgo gpw0'
- Htqo "yj g'f cvg'qh'cf qr vkp'qh'Twrg"3537"Hgdtwct{ "6."4233+"vq'yj g'gpf "qh"
- ecrgpf ct"{ gct"4239."dqjy "yj g'ewo wrcvxg'pgv'go kuukq'kpetgcug'qh'geej "
- pqpcwckpo gpv'ckt"eqpwo kpcpv'cv'o clqt'cpf "o kpqt'hcek'ku'g'cpf "yj g'r tqlgevgf "
- ewo wrcvxg'pgv'go kuukq'kpetgcug'hqt"423: "cpf "423; "tgo clpgf "dgmjy "yj g"
- yj tguj qrf u'kf gpw'hgf "kp"Vcdrg'D'qh'Twrg"3537."cpf "yj gtghqtg'yj g'Gzgewkxg"
- Qhhegt"ecp'eqpvkpwg'vq'kuuwg'r gto ku'vq'eqpwtwev'cpf 'r gto ku'vq'qr gtcv'vq'cv'tgn' "
- qp'hwtjy gt'wug'qh'Twrg"3526'gzgo r vkpu'qt"Twrg"352; Ø'Rtkqtkv' "Tgugtxg'qh'ugv"
- vq'o clqt'cpf "o kpqt'uwtegu0'

"

## ATTACHMENTS

30 F gxcn'kf "ku'kpi "qh'cewcn'f gdku."cewcn'etgf ku'cpf "uwo "qh'f gdku'cpf 'etgf ku0'

40 Dqctf "O ggvkpi "Rtgujpv'vkp"

"

"

"

"

"

"

"

CVVCEJ O GP V"3"

"

"

"

" F gvkkgf "hukpi "qh'cewcnf gdku."cewcn'etgf ku"cpf "uwo "qh'f gdku"cpf "etgf ku0"

"



**Table A**  
**Total Actual Debits from South Coast AQMD's Federal Offset Accounts**  
**(January 2017 through December 2017)**

"

South Coast AQMD OFFSETS USED	VOC	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>
Rtkqtkv\ "Tgugt xg" *ndulf c{ +	/82"	/7; "	/3: 7"	2"
Eqo o wpkv\ "Dcpm" *ndlf c{ +	2"	2"	2"	2"
Twg"3526"Gz go r vkpu" *ndulf c{ +	/4.332"	/827"	/4: 4"	/3.52; "
Uwo "Vqwn'qh'Uqwj "Eqcu\CS OF "Qhugw *ndulf c{ +	/4.392"	/886"	/689"	/3.52; "
304/vq/302"Qhugv'Tcvkq" *ndulf c{ +	/656"	/355"	P IC"	P IC"
<b>Total Actual Debits to South Coast AQMD Account (lbs/day)</b>	<b>-2,604</b>	<b>-797</b>	<b>-467</b>	<b>-1,309</b>
<b>Total Actual Debits to South Coast AQMD Account (tons/day)</b>	<b>-1.30</b>	<b>-0.40</b>	<b>-0.23</b>	<b>-0.66</b>

"

"

"

"

"

"

"

"

"

"

"

"

**Table B**  
**Total Actual Credits to South Coast AQMD's Federal Offset Accounts**  
**(January 2017 through December 2017)**

CREDITS RECEIVED	VOC	NOx	SOx	PM10
O clqt "Uqwteg"Qtr j cp "Etgf ku" "ndulf c { +	3.586"	; 27"	357"	34: "
O kpqt "Uqwteg"Qtr j cp "Etgf ku" "ndulf c { +	9.379"	4.: 3; "	546"	3.3: 9"
Vqwn"Qtr j cp "Etgf ku" "ndulf c { +	: .743"	5.946"	67; "	3.537"
Cf lwuo gpv"q "Cewcn"Go kuukpu" "ndulf c { +	/3.926"	/967"	/; 4"	/485"
F kueqwpv"qh"GTEu" "ndlf c { +	2"	2"	2"	2"
Etgf kcdng"O kpqt "Uqwteg"GTE "Wug" "ndlf c { +	2"	2"	2"	2"
Etgf kcdng"O clqt "Uqwteg"GTE "Wug" "ndlf c { +	2"	2"	2"	2"
<b>Total Actual Credits to South Coast AQMD Account (lbs/day)</b>	<b>6,817</b>	<b>2,979</b>	<b>367</b>	<b>1,052</b>
<b>Total Actual Credits to South Coast AQMD Account (tons/day)</b>	<b>3.41</b>	<b>1.49</b>	<b>0.18</b>	<b>0.53</b>

c" Cf lwuo gpv"qh"qtr j cp"uj wf qy p"cpf "qtr j cp"tgf vewkp"qh"ugv"etgf ku" f gr qukgf "kp"Uqwj " Eqcu/CS O F "qh"ugv"ceeqwpv"q"eqttgevtqo "r qvgpvcn"go kuukpu"q"cewcn"go kuukpu"cu" f kweuugf "kp"Twg"3537\*e+5+D+K0

d" Rtkqt"q"kuucpeg"qh"GTEu."y g{ "ctg" f kueqwpvgf "hqt"PUT"öRc{ dcmö"y j lej "lpenf gu" r c{ dcm"qh"PUT"dcnpeg."Eqo o wpk{ "Dcpn"cpf "Rtkqt"kv "Tgugtxg"cmqecvqpu."cpf "qh"ugv" gzgo r vqpu."cu" f kweuugf "kp"Twg"3537\*e+5+C+x+ "cpf "Twg"3528\*e+0

"

**Table C**  
**Sum of Final Credits/Debits Activities in South Coast AQMD's Federal Offset Accounts**  
**(January 2017 through December 2017)**

"

Description	VOC	NOx	SOx	PM10
Vqwn"Cewcn"Fdgu" "ndulf c { +	/4.826"	/9; 9"	/689"	/3.52; "
Vqwn"Cewcn"Etgf ku" "ndulf c { +	8.: 39"	4.; 9; "	589"	3.274"
<b>Sum of Actual Debits(-)/Credits(+)<sup>a</sup> (lbs/day)</b>	<b>4,213</b>	<b>2,182</b>	<b>-100</b>	<b>-257</b>
<b>Sum of Actual Debits(-)/Credits(+)<sup>a</sup> (tons/day)</b>	<b>2.11</b>	<b>1.09</b>	<b>-0.05</b>	<b>-0.13</b>

c" Fgdgu"ctg"uj qy p"cu"pgi cvkxg"cpf "Etgf ku"cu"r qukkxg."y j kg"y j gk"tuo "ku"uj qy p"cu" pgi cvkxg"qt"r qukkxg."cu"cr r tqr tkvg0

"

"



Cwcej o gpv'4

# **Status Report on Regulation XIII – New Source Review**

Governing Board Meeting  
September 6, 2019



# NSR Status Report Overview

## Purpose:

Demonstrate South Coast AQMD's NSR program meets federal NSR offset requirements for Major Sources, as required by EPA, for sources that are exempt from offsets under South Coast AQMD's NSR rule





# NSR Status Report History

- South Coast AQMD has produced Annual NSR Status Reports since 1990
- Around 2002-2004 EPA requested South Coast AQMD to adopt a rule to memorialize equivalency demonstrations
- Rule 1315 - Federal NSR Tracking System adopted in 2006/2007 and revised February 2011
- EPA approved Rule 1315 into the SIP and it became effective on June 25, 2012



# Rule 1315

## Federal NSR Tracking System

- Rule 1315 established procedures to demonstrate equivalency with federal NSR offset requirements
  - Tracks debits from and credits to South Coast AQMD's federal internal offset account for each pollutant
  - Annual Preliminary Determination of Equivalency (PDE), Final Determination of Equivalency (FDE) and Projections
  - Balances in South Coast AQMD's federal offset account must remain positive
  - Cumulative Net Emission Increases must remain below Rule 1315(g) thresholds



# South Coast AQMD's Federal NSR Offset Accounts

## Final Determination of Equivalency (FDE)

### (CY 2017)

DESCRIPTION	VOC	NOx	SOx	PM10
<b>2016 Final Ending Balance (tons/day)</b>	<b>105.76</b>	<b>22.70</b>	<b>4.32</b>	<b>16.15</b>
2017 Total Credits (tons/day)	3.41	1.49	0.18	0.53
2017 Total Debits (tons/day)	-1.30	-0.40	-0.23	-0.66
2017 Total Discount of Credits for Surplus Adjustment (tons/day)	0.00	-0.05	0.00	0.00
<b>2017 Final Ending Balance (tons/day)</b>	<b>107.87</b>	<b>23.74</b>	<b>4.27</b>	<b>16.02</b>





## Cumulative Net Emission Increase February 4, 2011 – December 31, 2017

DESCRIPTION	VOC	NOx	SOx	PM10
2016 Net Emission Increase (tons/day)	-18.02	-2.58	-0.87	-1.30
2017 Increases in Potential to Emit (tons/day)	1.61	0.86	0.32	1.25
2017 Decreases in Potential to Emit (tons/day)	-4.26	-1.86	-0.23	-0.66
<b>Cumulative Net Emission Increase (tons/day)</b>	<b>-20.67</b>	<b>-3.58</b>	<b>-0.78</b>	<b>-0.71</b>
<b>Rule 1315(g) Table B Threshold (tons/day)</b>	<b>8.85</b>	<b>0.68</b>	<b>0.21</b>	<b>1.29</b>





# South Coast AQMD's Projected Federal NSR Offset Accounts CY 2018

DESCRIPTION	VOC	NOx	SOx	PM10
<b>2017 Final Ending Balance (tons/day)</b>	<b>107.87</b>	<b>23.74</b>	<b>4.27</b>	<b>16.02</b>
CY 2018 Total Projected Credits (tons/day)	4.54	1.12	0.15	0.66
CY 2018 Total Projected Debits (tons/day)	-0.59	-0.19	-0.05	-0.15
CY 2018 Total Projected Discount of Credits for Surplus Adjustment (tons/day)	-0.01	-1.51	0.00	0.00
<b>CY 2018 Projected Ending Balance (tons/day)</b>	<b>111.82</b>	<b>23.16</b>	<b>4.37</b>	<b>16.53</b>

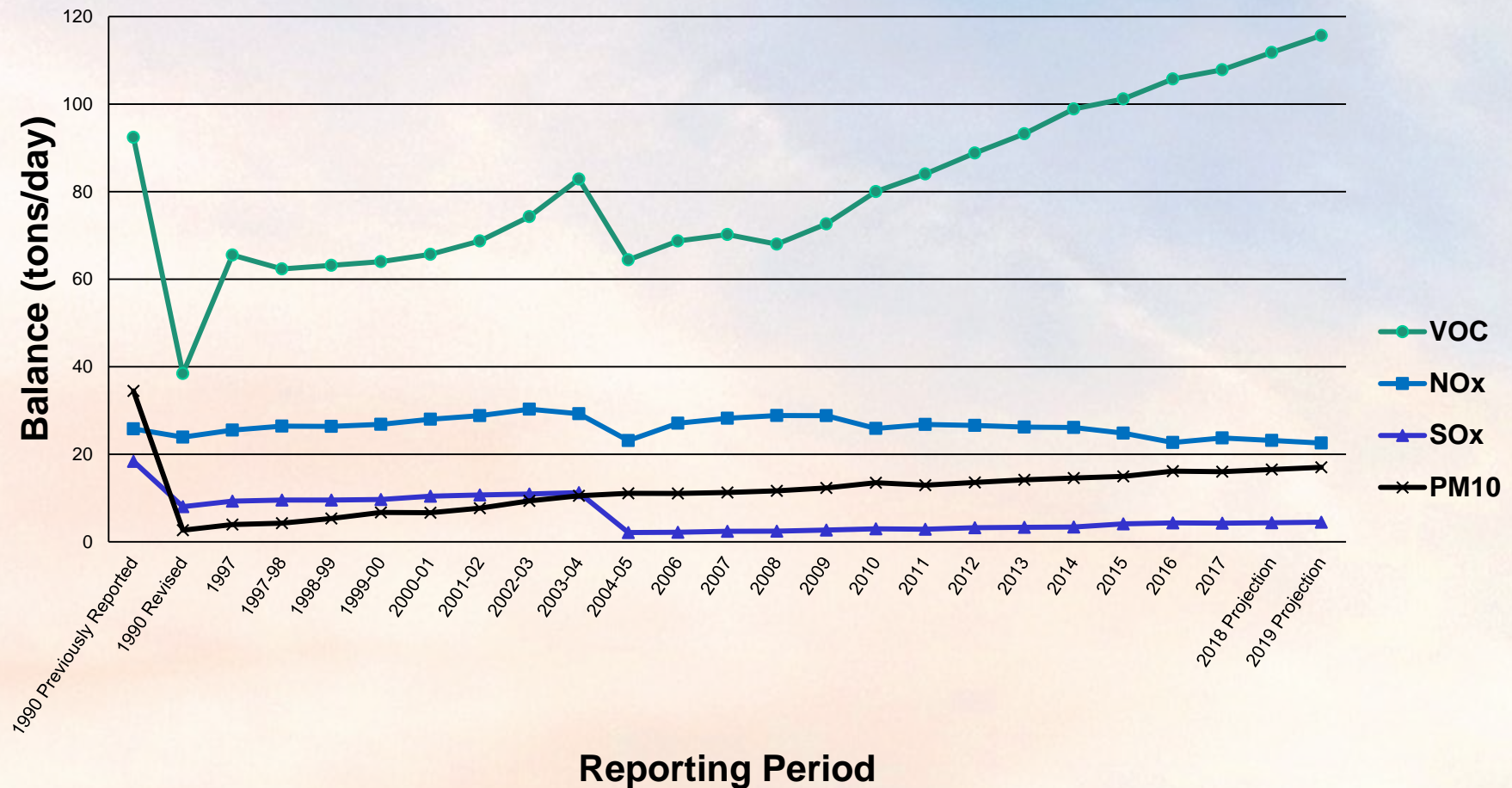


# South Coast AQMD's Projected Federal NSR Offset Accounts CY 2019

DESCRIPTION	VOC	NOx	SOx	PM10
<b>CY 2018 Projected Ending Balance (tons/day)</b>	<b>111.82</b>	<b>23.16</b>	<b>4.37</b>	<b>16.53</b>
CY 2019 Total Projected Credits (tons/day)	4.37	1.17	0.16	0.67
CY 2019 Total Projected Debits (tons/day)	-0.51	-0.22	-0.06	-0.18
CY 2019 Total Projected Discount of Credits for Surplus Adjustment (tons/day)	-0.01	-1.54	0.00	0.00
<b>CY 2019 Projected Ending Balance (tons/day)</b>	<b>115.68</b>	<b>22.57</b>	<b>4.48</b>	<b>17.02</b>



# South Coast AQMD's Federal Offset Account Balances (1990 – 2017, and 2018-2019 Projections)







# Conclusions

- The Final Determination of Equivalency for CY 2017 shows South Coast AQMD's NSR program continued to be at least equivalent to the federal NSR offset requirements
- For CYs 2018 and 2019 it is also projected that South Coast AQMD's NSR program will continue to be at least equivalent to the federal NSR offset requirements
- The Cumulative Net Emission Increases for CY 2017 remained below the thresholds identified in Table B of Rule 1315(g)(4)
- Next Preliminary Determination of Equivalency for CY 2018 will be presented to the Board in February 2020

DQCTF "O GGVKPI "F CVG<"Ugr vgo dgt'8."423; "

CI GPFC"P Q0"46"

RTQRQUCN<"

Egtvkh{ "Hkpcn'Gpxktqpo gpvcn'Cuuguuo gpv'cpf "Co gpf "Twg"3629"ó  
Eqptqn'qh'Go kuukpu'qh'Ctugple."Ecf o kwo ."cpf "P lengnltqo "P qp/  
Ej tqo kwo "O gvcn'O gnkpi "Qr gtcvkpu"

*Staff is recommending that the public hearing on this item be continued to the October 4, 2019 Board Hearing.*

U PQRUK<"

Rtqr qugf "Co gpf gf "Twg"3629"er r nku'v'pqp/ej tqo kwo "o gvcn'  
o gnkpi "qr gtcvkpu"cpf "ku'f guki pgf "v'q'tgf weg"go kuukpu'qh'ctugple."  
ecf o kwo ."cpf "plengnltqo"Vj g'r tqr qugf "co gpf gf "twg'tgxkugu"go kuukp"  
ucpf ctf u."gpj cpegu'o qpkqtkpi "r tqxkuukpu'hqt'r qmwwkqp"eqptqn'  
gs wkr o gpv."cf f u'dwkrf kpi "gpenquwtg'r tqxkuukpu'v'q'rko k'hw kxg"  
go kuukpu."cpf "wr f cvgu'j qwugngr kpi ."uqwtg'vgnkpi ."cpf "  
o qpkqtkpi ."tgeqtf ngr kpi ."cpf "tgr qtkpi "tgs wkt go gpv0"

EQO O KVVGG<"

P q'Ego o kwgg'Tgxky "

TGEQO O GPFGF "CEVKQP U<"

Cf qr v'y g"cwcej gf "Tguqnwkp<"

30 Egtvkh{ kpi "y g"Hkpcn'Gpxktqpo gpvcn'Cuuguuo gpv'hqt "Rtqr qugf "Co gpf gf "Twg"3629"ó  
Eqptqn'qh'Go kuukpu'qh'Ctugple."Ecf o kwo ."cpf "P lengnltqo "P qp/Ej tqo kwo "O gvcn'  
O gnkpi "Qr gtcvkpu"=cpf

40 Co gpf kpi "Twg"3629"ó"Eqptqn'qh'Go kuukpu'qh'Ctugple."Ecf o kwo ."cpf "P lengnltqo  
P qp/Ej tqo kwo "O gvcn'O gnkpi "Qr gtcvkpu0

Y c{pg"P cwtk"

Gzgewkxg"Qhhlegt"

## Background

Twrg"3629"6"Eqpvtqnl'qh'Go kuukqpu"qh'ctugple."Ecf o kwo "cpf "Plengnrltqo "Pqp/Hgttqwu" O gvcnl'gnkpi "Qr gtcvkqpu."\*Twrg"3629+"y cu'cf qr vgf "qp'Lwn{ ". "3; ; 6"cpf "ku'f guki pgf "vq" ko r rgo gpv'yj g'ECTD'Cktdqtpg"Vqzleu'Eqpvtqnl'O gcuwtg'hqt'pqp/hgttqwu'o gvcnl'o gnkpi 0' Twrg"3629"eqpvtqnl'go kuukqpu"qh'ctugple."ecf o kwo ."cpf "plengnrltqo "pqp/hgttqwu'o gvcnl' o gnkpi ."y j lej "kpenwf gu'cnwo kpwo ."dtcuu."cpf "dtqpl g'o gnkpi "qr gtcvkqpu0Rtqr qugf " Co gpf gf "Twrg"\*RCT+"3629"gzr cpf u'yj g'cr r rlecdrkkl' "qh'yj g'twrg"vq'pqp/ej tqo kwo " o gvcnl."y j lej "kpenwf gu'pqp/hgttqwu'o gvcnl'cpf "ectdqp'uvggr0P qp/ej tqo kwo "o gvcnl'ctg" o gvcnl'yj cv'eqpvclp'iguu'yj cp'20/r gtegpv'd{ "y gki j v'qvcnl'ej tqo kwo "eqpvgrv0O cp{ "qh'yj g" r tqxkukqpu'kp"RCT"3629."uwej "cu'tgxkukqpu"vq'r qkp'v'uwtegr' qmwkqp"eqpvtqnu."r tqxkukqpu" hqt'dwrf kpi "gpenquwt gu."cpf "gpj cpego gpw'vq"j qwugnggr kpi "r tqxkukqpu."ctg'dcugf "qp" w f cvgu"vq"qvj gt'o gvcnl'o gnkpi "twrgu'yj cv'j cxg'dggp'tgegpvnl' "cf qr vgf "qt"co gpf gf 0RCT" 3629"cnug'o qf kkgu'gz go r vkpu"vq"gpuwtg'ctugple."ecf o kwo ."cpf "plengn'go kuukqpu'ctg" dgkpi "cr r tqr tkcgnl' "eqpvtqngf 0'

## Public Process

F gxgnr o gpv'qh'RCT"3629"y cu'eqpf wevgf "yj tqwi j "c'r wdrlk'r tqeguu0Uqwj "Eqcu'v" CS O F "uclh'j grf "plpg'y qtnkpi "i tqwr "o ggkpi u'cv'yj g'Uqwj "Eqcu'v"CS O F "j gcf s wctvgtu" kp"F kco qpf "Dct<Ugr vgo dgt"7."4239."P qxgo dgt"; ."4239."Lcpwct{ "52."423: ."Cr tkl'47." 423: ."Lwn{ "3; ."423: ."Cwi wuv'52."423: ."O ctej "34."423; ."O c{ "45."423; ."cpf "Lwn{ "39." 423; 0C'Rwdrlk'Y qtmij qr "y cu'j grf "qp'Lwpg"3; ."423; 0Uclh'cnug'xkukgf "52"qh'yj g'82" hceklklgu'yj cv'y kml'dg'chhgevgf "d{ "yj g'r tqr qugf "twrg"ej cpi gu0'

## Proposed Amendments

RCT"3629"guvdrkuj gu'cf f kklqpcnltgs wktgo gpw'vq'hwtyj gt'eqpvtqnl'ctugple."ecf o kwo ."cpf " plengn'go kuukqpu'ltqo "pqp/ej tqo kwo "o gvcnl'o gnkpi "qr gtcvkqpu0Ctugple."ecf o kwo ."cpf " plengn'ctg'emcuukhgf "d{ "WUOGRC"cu'ectekpqj gple"eqo r qwpf u0D{ "Lcpwct{ "3."4243." qr gtcvqtu'y kml'dg'tgs wktgf "vq'eqpvtqnl'go kuukqpu'ltqo "pqp/ej tqo kwo "o gvcnl'o gnkpi " hwtpegu'yj tqwi j "gkij gt'o ggkpi "c'eqpvtqnl'ghhkegpe{ "qh'; ; ' "r gt'hwtpegt'qt"cp'ci i tgi cvg" o cuu'go kuukqp'rko k'hqt'ctugple."ecf o kwo ."cpf "plengn'lpf kxkf wcm{ 0Kp'cf f kklqp."RCT" 3629'tgs wktgu'r gtlqf le"uqwtg'vgnkpi "qh'r qmwkqp"eqpvtqnu."cpf "cf f kklqpcn'o qpkqtkpi " tgs wktgo gpw'vq"gpuwtg'r tqr gt"qr gtcvkqp"qh'go kuukqpu'eqngevkqp"u{ ugo u'cpf "eqpvtqnl' f gxlegu0"

RCT"3629'tgs wktgu'o gvcnl'o gnkpi "qr gtcvkqpu."kpenwf kpi "i tklpf kpi "cpf "ewwkpi ."vq'dg" eqpf wevgf "y kj kp"c"dwrf kpi "gpenquwtg'd{ "Lwn{ "3."4242"vq'rko k'hwi kxg'go kuukqpu0RCT" 3629"cnug'gpj cpegu'j qwugnggr kpi "tgs wktgo gpw'd{ "tgs wktkpi "y ggm{ "engcplkpi "qh'ctgcu" pgct'o gvcnl'o gnkpi "cpf "i tklpf kpi "qr gtcvkqpu."cpf "kpur gevqap"cpf "engcplkpi "qh'xgpv" qr gplkpi u'cpf "f wevkpi "qh'o gvcnl'o gnkpi "qr gtcvkqpu0Kp'tgur qpug'vq'eqo o gpw'ltqo " kpf wut{ "tgr tugpvcvkgu."c'r tqxkukqp"j cu'dggp'cf f gf "vq'cmqy "cp"qr gtcvqt'vq'tgs wguv'cp" cngtpcvkg'engcplkpi "o gyj qf "y j gp'eqpf wevkpi "y ggm{ "engcplkpi "pgct'o gvcnl'o gnkpi ." i tklpf kpi ."cpf "ewwkpi "ctgcu0Qvj gt"co gpf o gpw'kpenwf g'tgs wktgo gpw'hqt'o cvgtkenl' vgnkpi ."cf f kklqpcnltgr qtvkpi ."cpf "tgeqtf nggr kpi 0'

RCT"3629"o qf kkgu"gz go r vkpu"v"dgwgt"cf f tguu"ctugple."ecf o kwo ."cpf "plengn" go kuukpu0RCT"3629"cf f u"e"y j tqwi j r w'rko k/hqt'hcekkkgu"y cv'tg"vulpi "c"o gvcn'qt"cmq{ " r wtkv' "gz go r vkp."dgecwug'hcekkkgu"y cv'wkkk g"o gvcn'y kj "hgy "r gtegpvcu gu'qh"ctugple" cpf "ecf o kwo "y kj "j ki j "y tqwi j r w'rgxgnu"ecp"j cxg"uki plhcepv'tugple"cpf "ecf o kwo " go kuukpu0RCT"3629"o qf kkgu"y j g"engcp"cnwo kpwo "ueter "gz go r vkp"d{ "rko kkp"i "y j g" ctugple."ecf o kwo ."qt"plengn'eqpv'p'lp"cmq{ u"o gmgf ."cf f u"cp"gz go r vkp"ht'hcekkkgu" y cv'tg'tgi wv'gf "w'pf gt"rgcf "o gmkpi "qr gtcvkpu'twgu."cpf "cf f u"cp"gz go r vkp"ht" hcekkkgu"y cv'tg"o gmkpi "o kpkc cn'co qwpw'qh"ctugple"qt"ecf o kwo 0

## Key Issues

Vj tqwi j "y j g"twrgo cnkpi "r tqeguu."uchh"j cu'y qtn'gf "y kj "uvcngj qrf gtu"v"cf f tguu" eqo o gpw'cpf "tguqrxg"e"pwo dgt"qh'ng{ "kuuwgu0Vj g'Ecrkhtpke'O gvcn'Eeqckkqp" eqo o gpw'gf "y cv'y j g"equv'ko r cev'qh"RCT"3629"y kn'qeeuw"lp"y j g'htuv" { gct "ch'gt"t'wrg" cf qr vkp"cpf "y j g"equu"v"q'hcekkkgu"uj qwf "pqv'dg"co qt'v'k gf "lp"y j g"uqekqgeqpqo le" cpcn' uku0Vj g'uchh'tgr qt'v'kpen'f gu'v'qcn'equu"cu'tgs wgu'gf "d{ "y j g"eqo o gpw'gt0Dgy ggp" &7(6"cpf "&8(6"o knkqp"ctg"qpg/vko g"equu"lp"y j g'htuv" { gct "ch'gt"t'wrg"cf qr vkp0Vj g" tgo clp'kpi "equv'ctg't'gewt'kpi "equu"qxgt"e"43/{ gct "r gt'kqf 0Vj g"v'qcn'r t'gugpv'y qt'y "xcnw" equv"v"o ggv'y j g"4242"i gcf r'kpg"ku"&65(6"o knkqp"v"q"&7; 8"o knkqp"vulpi "c"6"r gtegpv'qt"3" r gtegpv'f k'ueqwpv't'cvg."t'gur ge'v'xgn' 0Y j gp"eqpf w'ekpi "uqekqgeqpqo le"cp'cn' ugu."y j g"Uqwj " Eqcu'CS O F "uchh"v'f r k'ecm' "cppw'ck gu'ecr k'cn'equu0Vj ku'cm'y u'cee'qwp'vpi "ht"y j g" equv'qh'h'kpc'ekpi "cpf "y j g"qr r qt'w'pkv' "equv'qh'ecr k'cn'0Hqt"y j g"63"uo cmgt "hcekkkgu"u'wdl'gev" v"q"RCT"3629."k'ku'gu'ko cv'gf "y j cv'o qu'v'y kn'j cxg"o k'pqt"equu"cu'qek'cv'gf "y kj " j q'wugnggr kpi "cpf "dw'kf kpi "co qwp'vpi "v"q"&72.222"lp"qpg/vko g"equu"cpf "cp'qj gt"&3.222" r gt" { gct "lp"t'gewt'kpi "equu0Vj g"o cl'qt'k'v' "qh"y j g"equu"cr r n' "v"q"y j g'h'qwt'rc'ti gu'v'hcekkkgu" y j k'ej "cn'q"o gn'v'y j g"o qu'v'o gvcn'0

## California Environmental Quality Act

RCT"3629"ku'eqpuk'gtgf "c"or'tql'gev'o"cu'f gh'kpgf "d{ "y j g'Ecrkhtpke'Gpxk'qpo gpvcn'S w'ckv' " Cev'\*EGS C+"cpf "y j g"Uqwj "Eqcu'CS O F "ku'y j g'f guki p'cv'gf "rgcf "ci gpe { 0Rwtu'wcpv"v"q" Uqwj "Eqcu'CS O F a'v'Egt'v'h'gf "Tgi w'v'qt { "Rtqi t'co "Rwd'ne"Tu'gu'wtegu'E'qf g"U'ge'v'kqp" 432: 207"cpf "EGS C"i w'kf g'rk'p'gu"U'ge'v'kqp"37473"n"=eqf h'k'gf "lp"Uqwj "Eqcu'CS O F "T'wrg" 332+"cpf "EGS C"i w'kf g'rk'p'gu"U'ge'v'kqp"37292."y j g"Uqwj "Eqcu'CS O F "j cu'r tgr ctgf "c" H'kpcn'Gpxk'qpo gpvcn'Cu'gu'uo gpv'\*GC+"ht"RCT"3629."y j k'ej "ku"e"u'wdu'k'w'wg"EGS C" f qewo gpv."r tgr ctgf "lp"n'gw'qh"e"P gi cv'xg"F gen't'cv'kqp0Vj g"gp'xk'qpo gpvcn'cpcn' uku"lp"y j g" H'kpcn'GC"eqpen'f gf "y j cv'RCT"3629"y qwf "pqv'i gp'gt'cv'g"cp { "uki plhcepv'cf xgtug" gp'xk'qpo gpvcn'ko r cev'0Vj g"H'kpcn'GC"ku'lp'pen'f gf "cu'cp"e'wcej o gpv"v"q"y j ku'I qx'gt'p'kpi " Dqctf "r cem'i g"\*ugg"C'wcej o gpv'J +0'

## Socioeconomic Analysis

Vj gtg'ctg"82"hekkkgu"u'wdl'gev"v"q"RCT"3629"y j k'ej "ctg"em'u'k'k'gf "o cl'pn' "cu'v'ug'n'r tqf w'ev" o cpw'hcew't'kpi "ht'qo "r wtej cugf "u'vggn'hcekkkgu."cnwo k'pc"cpf "cnwo kpwo "r tqf w'ek'v'kqp"cpf " r tqeguu'kpi "hcekkkgu."cpf "h'qwpf t'kgu0Qh"y j g'ug"82"hekkkgu."62"ctg'h'qec'v'gf "lp"Nqu'Cpi g'ngu" Eqwp'v'f .h'qwt"lp"Qt'cpi g"Eqwp'v'f .h'qwt"lp"Tx'gt'uf g"Eqwp'v'f ."cpf "34"lp"Ucp"Dgt'pctf k'p'q" Eqwp'v'f 0"

Vj g'guko cvgf "vqcn'cxgtci g'cppwcn'equv'qh'RCT"3629'ku"&502"vq"&503"o knkqp'htqo "423; " vq"4262"cuuwo kpi "c"3'r gtegpv'cpf "6'r gtegpv'tgcn'kpvtg'uv'tcvg."t'gur gev'xgn{ 0Hcekrkkgu" r tqeguukpi "qt'r tqf welpi "cnwo kpc"qt"cnwo kpwo "ctg"gzr gev'gf "vq"kpewt"cdqww"88'r gtegpv'qh" yj g'vqcn'cxgtci g'cppwcn'equv'qh'RCT"3629."y j kg'hqwpf tkgu'ctg"gzr gev'gf "vq"kpewt"cdqww" 46'r gtegpv'qh'yj g'vqcn'cxgtci g'cppwcn'equv'qh'RCT"36290Cdqww"; 2'r gtegpv'qh'yj g'vqcn' cxgtci g'cppwcn'equv'qh'RCT"3629'ku"gzr gev'gf "vq"qeevt'htqo "r wtej cug."gpi kpggtkpi ." kpucm'v'kqp."cpf "cppwcn'o klpvgpcpeg"qh'pgy "r qm'w'kqp"eqpvtqnf gx'legu"\*dci j qwugu+."y kj " yj g'tgo klpf gt'f w'g"vq"d'w'kf kpi "gpenquwtgu."uqwt'eg'v'gukpi ."uo qng'v'gukpi ."umq'v'x'gmekv{ " v'gukpi ."cpf "j qwugnggr kpi 0'

RCT"3629'ku"gzr gev'gf "vq"t'guwn'kp"cr r tqzko cvgn{ "; 2"vq"; 4"lqdu'qp"cxgtci g'hqti qpg" cppwcn' "htqo "423; "vq"4262"cuuwo kpi "c"3'r gtegpv'cpf "6'r gtegpv'tgcn'kpvtg'uv'tcvg." t'gur gev'xgn{ 0Vj g'r tq'lg'ev'gf "lq'd'hqti qpg"ko r cew'tgr t'gugpv'cdqww"2023'r gtegpv'qh'vqcn' go r m{ o gpv'kp'yj g'hqwt/eqwpv{ 'tgi kqp'hqtd'qj "yj g'my /"cpf "j ki j /kpvtg'uv'tcvg"uegpctkqu0'

### AQMP and Legal Mandates

Rwtuwc'p'v'vq"J gcnj "( "Uchgv' "Eqf g"Uge'v'kqp"62682"\*c+."yj g"Uqwj "Eqcu'CS O F "ku" tgs wktgf "vq"cf qr v'cp"CS O R"f go qp'ut'c'v'kpi "eqo r r'k'cpeg"y kj "cm'hgf gtcn'tgi w'v'v'k'p'u"cpf " ucpf ctf u0Vj g"Uqwj "Eqcu'CS O F "ku"tgs wktgf "vq"cf qr v't'w'gu"cpf "tgi w'v'v'k'p'u"yj cv'ectt{ " qw'yj g'qdl'ge'v'x'gu'qh'yj g"CS O R0RCT"3629'ku"cp'ck"vqz'ku'eqpvtqno' gcuw'tg"\*VZO/28+" kp'yj g"4238"CS O R."dw'ku'pqv'c"eqpvtqno' gcuw'tg'hq't'c'w'k'p'o gpv'qh'v'v'v'g"qt'hgf gtcn' tgi w'v'v'k'p'u"cpf "ucpf ctf u0RCT"3629'ku"pggf gf "vq"t'gf w'eg"go ku'k'p'u'qh'ctugple." ecf o kwo ."cpf "plengn'htqo "pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtc'v'k'p'u0'

### Implementation and Resource Impacts

Cr r tqzko cvgn{ "qpg"HVG"y kn'dg"p'geguuct{ "vq"eqpf w'ev'eqo r r'k'cpeg'kp'ur gev'v'k'p'u."gx'cn'w'v'g" r gto k'cr r r'k'c'v'k'p'u'hq't"eqpvtqnf'gs wkr o gpv."cpf "tgx'kgy "uqwt'eg'v'guv'r tq'v'q'eqn'cpf "t'guwn'u0"

### Attachments

C0 Uwo o ct{ "qh'Rtqr qucn'  
D0 Mg{ "Ku'w'gu"cpf "T'gur qp'ugu"  
E0 Tw'g"F gx'gm'r o gpv'Rt'q'egu'"  
F0 Mg{ "Eq'p'w'cu'N'ku'"  
G0 T'gu'q'w'k'p'u"  
H0 Rtqr qugf "Co gp'f gf "Tw'g"3629"  
I 0 Hk'p'cn'U'chh'Tgr q'tv'hq't "Rtqr qugf "Co gp'f gf "Tw'g"3629"  
J 0 Hk'p'cn'G'p'x'k't'q'p'o gp'v'cn'Cu'gu'guo gpv'  
K0 Uq'ek'q'eq'p'q'o k'e"Cu'gu'guo gpv"  
L0 Dq'ctf "O gg'v'kpi "Rt'gug'p'v'k'p'u"



## ATTACHMENT A

### SUMMARY OF PROPOSAL

Rtqr qugf "Co gpf gf "Twr"3629"o"Eqptqn'qh'Go kuukpu'qh'Ctugple."Ecf o kwo ."cpf "P lengn"  
htqo "P qp/Ej tqo kwo "O gcn'O gnkpi "Qr gtcvkpu"

#### Crr rkecdkx"

- Gzr cpf u'cr r rkecdkx "v"pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvkpu"y j gtg"pqp/  
ej tqo kwo "o gcn'ku'f ghkpgf "cu"cp {"o gcn'y cv'eqpvkpu'guu'y cp"20' "ej tqo kwo "d {"  
y gki j v'cu'f gvgto kpgf "qp"e's wctvgn {"y gki j vgf "cxgtci g"

#### Tgs vkt go gpv"

- Tgs vkt gu'htpceg"go kuukpu"v"gkj gt "o ggvc'eqptqn'ghhkegpe {"qh"; ; ' "r gt'htpceg'hqt"  
ctugple."ecf o kwo ."cpf "plengn'kpf kxf wcm {"qt"o ggvc'i i tgi cvg"o cuu'go kuukp'rko ku"qh"  
2022288"ndulj t"qh'ctugple."2022736"ndulj t"qh'ecf o kwo ."cpf "202: 6: "ndulj t"qh'plengn'  
kpf kxf wcm {"d {"Lcpwct {"3."4243"
- Tgs vkt gu'r gto k'cr r rkecdkpu"d {"Lwn {"3."4243"ht'kpuvncvqp"qh'pgy "go kuukp"eqptqn'  
f gxlegu"cpf "o cpf cvgu'r gto ku'hqt"gzkupi "go kuukp"eqptqn'f gxlegu"qp"o gcn'htpcegu"
- Tgs vkt gu'o gcn'o gnkpi "qr gtcvkpu."kpenf kpi "i tlpf kpi "cpf "eww kpi ."v"dg"eqpf wevgf "  
y kj kp"e"dwkf kpi "gpenquwtg"y cv'o kpo k gu'etquu/f tch'eqpf kkpup"
- Tgvkpu"o clqtk {"qh'ewtgpvn {"tgs vkt gf "o cvgtkcn'vukpi "o gj qf u'wpvn'Lcpwct {"3."4243"  
cpf "cmqy u'Uqwj "Eqcu/CS O F/cr r tqxgf "cngtpevxg"o cvgtkcn'vukpi "o gj qf u"
- Tgs vkt gu's wctvgn {"cpn {"uku"qh'tcy "o cvgtkcn'o gngf "cpf "s wctvgn {"cpn {"uku"qh"  
dci j qwug'ecvej gu"
- Kpenf gu'r tguwtg"ftqr "o qpkqtu."unqv'xngkx {"o gcwtgo gpv."r gkqf le"uqwtg"vukpi ."  
cpf "kpuvncvqp"qh'dci j qwug'ngcn'f ggevkp"u {vgo u"v"eqphkto "r tqr gt"qr gtcvkp"qh"  
go kuukp"eqptqn'f gxlegu"
- Wrf cvgu"j qwugnggr kpi ."tgeqtf nggr kpi ."cpf "tgr qt vpi "r tqxkukpu"
- Kpenf gu'r tqxkukp"ht"qr gtcvt "v"tgs wguv'cp"cngtpevxg'engcpkpi "o gj qf "ht"y ggm {"  
engcpkpi "qh'ctgcu'ctqwpf "htpcegu."eww kpi ."cpf "i tlpf kpi "ctgcu"
- Tgs vkt gu'kpkcn'uqwtg"vukpi "d {"Lcpwct {"3."4243"cpf "r gkqf le"uqwtg"vukpi "gxgt {"  
82"o qpj u"y gtgchgt"

#### Gzgo r vkpu"

- Wrf cvgu"o gcn'r wtk {"gzgo r vkp"v"kpenf g"ur gekkx {"y tguj qnf u'cpf "tgs vkt g"  
f go qpvtcvkp"y cv'o gcn'eqpvkpo "kpo cn'ctugple"cpf "ecf o kwo "eqvpgp"
- Gs wr o gpv'cpf "qr gtcvkpu"uwdlgev"v"Twrgu"3642."3642B."qt"364204"
- Rj cug/qw"qh'gzgo r vkp"r tqxkukpu"ht"engcp"cnwo kpo "ueter"cpf "htpcegu"o gnkpi "  
cnwo kpo "ueter"d {"Lcpwct {"3."4243"
- Dtc| kpi ."fkr"uqf gt kpi ."o gcn'eww kpi ."qt"o gcn'i tlpf kpi "eqpf wevgf "ht"o ckpgpcpeg"  
r vtr qug"

## ATTACHMENT B

### KEY ISSUE AND RESPONSE

"

Rtqr qugf "Co gpf gf "Twr"3629"ó"Eqpvtqrñqh"Go kuukpu"qh"Ctugple."Ecf o kwo ."cpf "  
Plengñhtqo "P qp/Ej tqo kwo "O gvcñ'O gnkpi "Qr gtcvkpu"

Vj g"Ecrñhtpke"O gvcñ'Eqrñkqp"eqo o gpvgf "vj cvñj g"equv"ko r cev'qh"RCT"3629"y kni'  
qeewt "kp"vj g"htuv"{ gct"chgt"twg"cf qr vkp"cpf "vj g"equu"vq"ñeckñku"uj qwf "pqv'dg"  
co qtvñ gf "kp"vj g"uqekqgeqpqo le"cpññ uku0Vj g"equu"ftcy "htqo "vj g"ewttgpv'qr gtcvkpi "  
dwf i gv'qh"ñ"dwukpguu0"

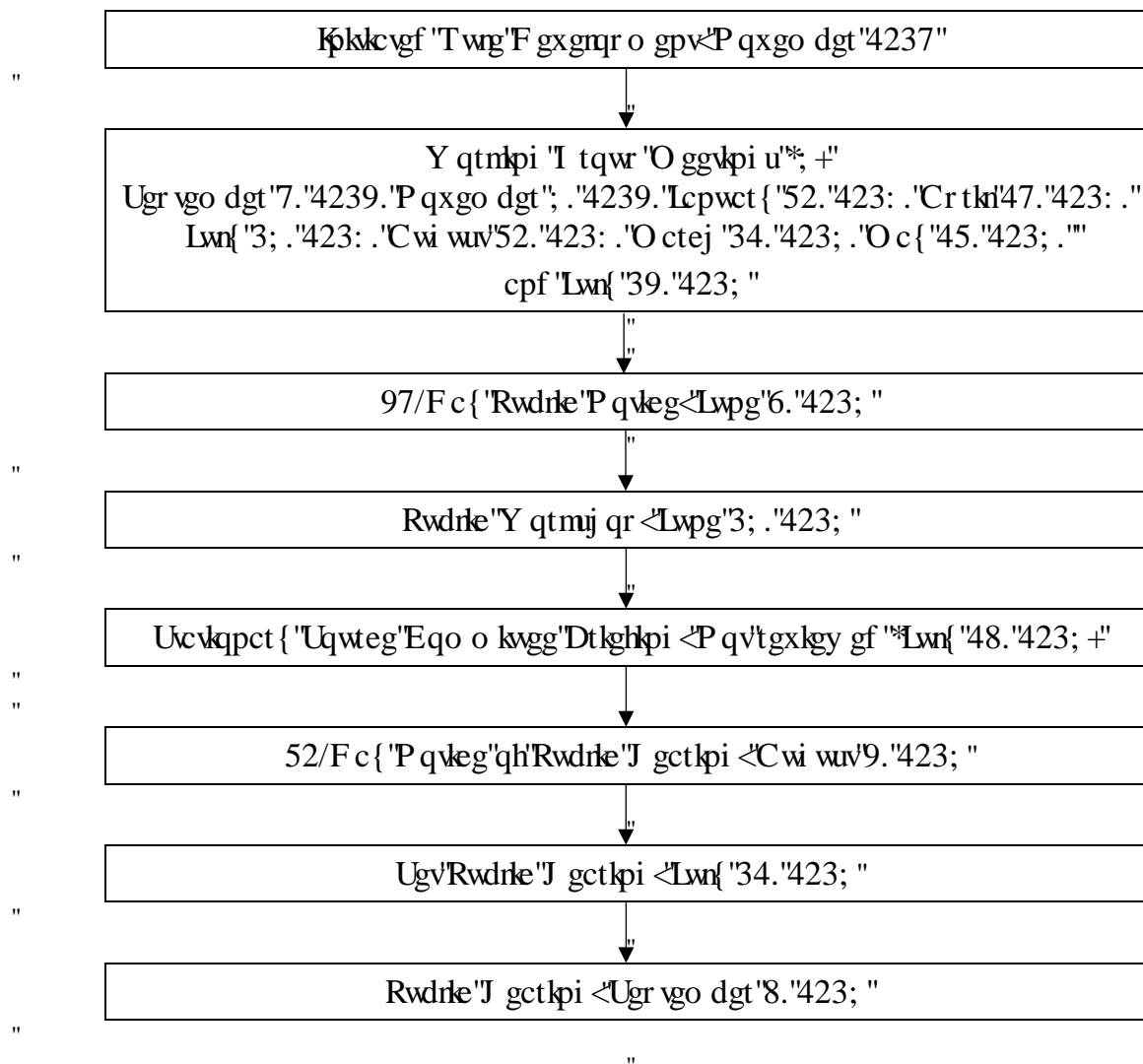
- Vj g"uvchñtgr qtvñkpenñf gu"vqññequu"cu'tgs wguvgf "d{ "vj g"eqo o gpvg0Vj g"vqññ'  
rtgugpvñy qtvñ "xcñw"equv"vq"o ggñvj g"4242"ñ gcf ñkg"ku"&6506"o knkqp"vq"&7; 08"  
o knkqp"vukpi "c"6"r gtegpvñt "3"r gtegpvñf kuqwpvñtcvg, "t gur gevñgn{ 0Dgy ggp"&706"  
cpf "&806"o knkqp"ctg"qpg/vko g"equu"kp"vj g"htuv"{ gct"chgt"twg"cf qr vkp"y j kg"vj g"  
tgo clpf gt"ctg"tgewttkpi "equu"qxtg"ñ"43-{ gct"r gtñkf 0Hgt"vj g"63"uo cñgt"ñeckñku"  
uwlgevñq"RCT"3629."kñku"guvko cvgf "vj cvño quvñy knñ cñg"o kpqt"equu"cuuqekvgf "  
y kjñ "j quwnggr kpi "cpf "dwññf kpi "co qwpvñkpi "vq"&72.222"kp"qpg/vko g"equu"cpf "  
cpqñy gt"&3.222"r gt"{ gct"kp"tgewttkpi "equu0Vj g"dwñññqh"vj g"equu"cr r ññ "vq"vj g"  
hwt"ñrti guvñeckñku"y j lej "cñu"o gnñvj g"o quvño gvcñ0Y j gp"eqpf wvñkpi "  
uqekqgeqpqo le"cpññ ugu."vj g"Uqwj "Eqcuñ/CS O F "vñ r kcmñ "cppwñññ gu'ecr kcnñ'  
equv"vq"cmñy "hgt"vj g"equv"qhñkpcpñkpi "cpf "vj g"qr r qtwpñkñ "equv"qhñecr kcnñ"

"

## ATTACHMENT C

### RULE DEVELOPMENT PROCESS

"  
Rtqr qugf "Twg"3629"ó"Eqptqn'qh"Go kulkpu'qh"Ctugple."Ecf o kwo ."cpf "P kengriltqo "P qp/  
Ej tqo kwo "O gvcn'O gmkpi "Qr gtcvqpu"  
"



**Three (3) years and ten (10) months spent in rule development.**

**One (1) Public Workshop.**

**Nine (9) Working Group Meetings.**

"

# ATTACHMENT D

## KEY CONTACTS LIST

Rtqr qugf "Co gpf gf "Twg"3629"ó"Eqpvtqn'qh'Go kuukqpu'qh'Ctugple.'Ecf o kwo .'cpf 'P lengn'  
htqo 'P qp/Ej tqo kwo 'O gvcn'O gmkpi 'Qr gtcvkqpu"

CD"( "KHqwpf t { "  
CEG'Engcty cvgt"  
CEOG'Ecuvkpi u"  
CFN"  
Cf xcpegf "Gpxktqpo gpvcn"  
Ego r nkpeg"  
Cf xcpegf "Gpxktqpo gpvcn"  
Eqpvtqn'  
CGEQO "  
Cmp'Ego r cp { "  
Cm gi c"Gpxktqpo gpvcn"  
Vj g'Crr gtv'I tqwr "  
Cnc"Gpxktqpo gpvcn"  
Cttqy j gcf "  
Cuuqekcvgu"  
Gpxktqpo gpvcn"  
Cvru'Rcekhe'Eqtr qtcvkqp"  
Dcule'Hldtgu"  
DmgUecr g"  
Gpxktqpo gpvcn"  
Dqf {eqvg"  
Vj g"Dqgkpi 'Ego r cp { "  
E"( 'O 'O gvcn"  
Ecrkhtpkl'Co hqti g"  
Eqtr qtcvkqp"  
Ecrkhtpkl'O gvcn"  
Eqcrklqp"  
Ecrkhtpkl'O gvcn/Z "  
Ecrkhtpkl'Uggni( "Vwdg"  
Ecrkhtpkl'Uggni"  
Kpf wutkgu"  
Ecu' O gvcn'Ugtxlegu"  
Ecu/Tkg'Eqtr qtcvkqp"  
Egtvklgf "Cmq { "Rtqf weu"  
Emy "Xcrkg"

Ego o gtekn'Ecuvkpi "  
Ego r cp { "  
Ego o gtekn'O gvcn"  
Hqto kpi "  
Eqpeqtf g'Dcwtg { "  
Eqtr qtcvkqp"  
Eqpuqrf cvgf "Rtgekukqp"  
Rtqf weu"  
Ewpf kh'Uggni"  
Ewuxo "Cmq { "Nk j v"  
O gvcn"  
Fqqo uf c { 'EGO U"  
G6'Utcvgi ke'Uqnwkqpu"  
Gneq'O gvcn"  
Gzr qpgrp"  
Hgpkeq'Rtgekukqp"  
Ecuvkpi u"  
Hqpvpc'Hqwpf t { "  
Eqtr qtcvkqp"  
I gtf cw"  
I nqdg"Kqp'Hqwpf t { "  
I tggp"Gpxktqpo gpvcn"  
O cpci go gpv"  
I tkuy qrf "Kpf wutkgu"  
J DC"  
J gtcgwu"  
J wi j gu'Dtqv gtu"  
Cketchgtu"  
J {cw'F kg'Ecu"  
KOUTge {enki "Ugtxlegu"  
Kpvtur ceg'Dcwtg { "  
Eqtr qtcvkqp"  
Lcem'Gpi rg( 'Ego r cp { "  
LG'Ego r nkpeg'Ugtxlegu"  
Mgtco kf c"  
Nggau'Kqp( 'O gvcn"

Nqu'Cpi grgu'Rwo r "cpf "  
Xcrkg'Rtqf weu"  
O ci pgukwo "Cmq { "  
Rtqf weu'Ego r cp { "  
O cweq'Hqti g"  
O kngt'Ecuvkpi u"  
O qf gtp'Rcwtg( " "  
Hqwpf t { "  
O qpvtqug'Ckt'S wcrkv { "  
Ugtxlegu"  
Rcekhe'Cmq { 'Ecuvkpi "  
Ego r cp { "  
Rcekhe'F kg'Ecuvkpi "  
Rqtvgt'Y ctpgt"Kpf wutkgu"  
Rtq'Ecu'Kpf wutkgu"  
Tco dqni'Gpxktqp"  
Tco ect'Dcwtgkgu"  
Tgugctej "Vqqni( 'F kg"  
Y qtmu"  
UC'Tge {enki "  
Ueqw'Ucrgu'Ego r cp { "  
Ugo eq"  
Ugttc'Cmo kpwo "  
Ego r cp { "  
Uqnwkqpu'6'Dnuv"  
Utcvgi ke'O cvgtknu"  
Eqtr qtcvkqp"  
Vgej pk'Ecu'Eqtr qtcvkqp"  
Vqcn'Engcp"  
Vtkj {f tq"  
VUV"  
WUOT'  
Xknc'O gvcn'Eqtr qtcvkqp"  
Y j kvkpi j co 'Rwdrke"  
Chcktu'Cf xkuqtu"  
[ qtng'Gpi kpggtkpi "

## ATTACHMENT E

### RESOLUTION NO. 19-\_\_\_\_

"

**A Resolution of the Governing Board of the South Coast Air Quality Management District (South Coast AQMD) certifying the Final Environmental Assessment (EA) for Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations.**

**A Resolution of the South Coast AQMD Governing Board amending Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations. "**

**WHEREAS.** " yj g" Uqwj " Eqcu" CS OF " I qxgtpkpi " Dqctf " hpfu" cpf " f gvgto kpgu'y kj "egtckpv\ "yj cvRtqr qugf "Co gpf gf "Twg"3629"ku'eqpukf gtgf "c"\$r tqlgev\$"ö"cu" f ghkpgf "d\ "yj g"Ecrlhqtple"Gpxktqpo gpvcnS wrkv\ "Cev"EGS C+=cpf "

**WHEREAS.** " yj g" Uqwj " Eqcu" CS OF " j cu" j cf " ku" tgi wrvqt { " r tqi tco " egtvhhgf " r wtuwcpv\ vq " Rwdne " Tguqwtugu" Eqf g" Ugevqp " 432: 207 " cpf " EGS C " I wkf grkpgu" Ugevqp " 37473 " n+ " cpf " j cu" eqpf wevgf " c " EGS C " tglxgy " cpf " cpcn\ ulu" qh" Rtqr qugf " Co gpf gf " Twg" 3629 " r wtuwcpv\ vq " uvej " r tqi tco " Uqwj " Eqcu" CS OF " Twg" 332 +=cpf "

**WHEREAS.** " yj g" Uqwj " Eqcu" CS OF " I qxgtpkpi " Dqctf " j cu" f gvgto kpgf " yj cv" yj g" tgs wktgo gpw\ hqt " c " P gi c\ xg " F gerctcvkp " j cxg " dggp " tki i gtgf " r wtuwcpv\ vq " ku" egtvhhgf " tgi wrvqt { " r tqi tco " cpf " EGS C " I wkf grkpgu" Ugevqp " 37292. " cpf " yj cv" cp " Gpxktqpo gpvcn" Cuuguuo gpv\ " GC + " c " uwdurkwwg " f qewo gpv\ cmqy gf " r wtuwcpv\ vq " EGS C " I wkf grkpgu" Ugevqp " 37474 " cpf " Uqwj " Eqcu" CS OF " æl' egtvhhgf " tgi wrvqt { " r tqi tco " . " ku" cr r tqr tlcvg =cpf "

**WHEREAS.** " yj g" Uqwj " Eqcu" CS OF " I qxgtpkpi " Dqctf " uchl\ j cu" r tgr ctgf " c " F tch\ " GC " r wtuwcpv\ vq " ku" egtvhhgf " tgi wrvqt { " r tqi tco " cpf " EGS C " I wkf grkpgu" Ugevqp " 37292 " cpf " 37474 " ugwkpi " hqtj " yj g" r qvgpvkn\ gpvkn\ eqpugs wpegu" qh" Rtqr qugf " Co gpf gf " Twg" 3629 " cpf " f gvgto kpgf " yj cv" yj g" r tqr qugf " r tqlgev\ y qwf " pqv\ j cxg " yj g" r qvgpvkn\ vq " i gpgtcvg " lki pklcepv\ cf xgtug " gpvkn\ ko r ceu =cpf ""

**WHEREAS.** " yj g" F tch\ " GC " y cu" ektewrcvgf " hqt " c " 54 / f c { " r wdne " tglxgy " cpf " eqo o gpv\ r gtlkf . " htqo " Lxp " 4: . " 423; " vq " Lwn\ " 52. " 423; . " cpf " qpg " eqo o gpv\ ngwt " y cu" tgegkxgf =cpf ""

**WHEREAS,** yj g" F tch\ " GC " j cu" dggp " tglxkuf " vq " lpenw\ g " yj g" eqo o gpv\ ngwt " tgegkxgf " qp " yj g" F tch\ " GC " cpf " yj g" tgr qpug . " uq " yj cv\ k\ ku" pqy " c " Hpcn\ GC =cpf "

"

"

**WHEREAS.** "k'ku'pgeguuct { 'y cv'y g'Uqwj 'Eqcu'CS O F 'I qxgtplpi 'Dqctf " t g x l g y " y g' H l p c n' G C " r t k q t " v q " k u " e g t w h e c v k p . " v q " f g v g t o l p g " y c v' k' r t q x l f g u " c f g s w c v g " l p h q t o c v k p " q p " y g' r q v g p v k n' c f x g t u g " g p x l t q p o g p v c n' k o r c e w u' y c v' o c { " q e e w t " c u " c ' t g u w n' q h " c f q r v k p i " R t q r q u g f " C o g p f g f " T w r g " 3 6 2 9 . " l p e n w f l p i " y g' t g u r q p u g " v q " y g' e q o o g p v' n g w g t " t g e g l x g f " t g r v k x g " v q " y g' F t c h' G C " = c p f " "

**WHEREAS.** "r w t u w c p v' v q " E G S C " I w k f g r l p g u " U g e v k p p " 3 7 4 7 4 " \* c + \* 4 + \* D + " u l p e g " p q " u k i p h l e c p v' c f x g t u g " k o r c e w u' y g t g " k f g p v k h g f . " p q " c n g t p c v k x g u " q t " o k k i c v k p " o g c u w t g u " c t g " t g s w k t g f " h q t " r t q l g e v' c r r t q x c n' y w u . " c " O k k i c v k p . " O q p k q t l p i . " c p f " T g r q t v k p i " R r p " r w t u w c p v' v q " R w d r k e " T g u q w t e g u " E q f g " U g e v k p p " 4 3 2 : 3 0 8 " c p f " E G S C " I w k f g r l p g u " U g e v k p p " 3 7 2 ; 9 . " j c u " p q v " d g g p " r t g r c t g f = c p f " "

**WHEREAS.** "H l p f l p i u " r w t u w c p v' v q " R w d r k e " T g u q w t e g u " E q f g " U g e v k p p " 4 3 2 : 3 0 8 " c p f " E G S C " I w k f g r l p g u " U g e v k p p " 3 7 2 ; 3 " c p f " U c v g o g p v' q h " Q x g t t k f l p i " E q p u k f g t c v k p u " r w t u w c p v' v q " E G S C " I w k f g r l p g u " U g e v k p p " 3 7 2 ; 5 " y g t g " p q v' r t g r c t g f " d g e c w u g " y g' c p c n' { u k u " u j q y u " y c v' R t q r q u g f " C o g p f g f " T w r g " 3 6 2 9 " y q w f " p q v " j c x g " c " u k i p h l e c p v' c f x g t u g " g h h g e v " q p " y g' g p x l t q p o g p v . " c p f " y w u . " c t g " p q v' t g s w k t g f = c p f " "

**WHEREAS.** "y g' U q w j " E q c u' C S O F " I q x g t p l p i " D q c t f " x q v k p i " v q " c f q r v' R t q r q u g f " C o g p f g f " T w r g " 3 6 2 9 " j c u " t g x l g y g f " c p f " e q p u k f g t g f " y g' l p h q t o c v k p " e q p v c l p g f " l p " y g' H l p c n' G C . " l p e n w f l p i " y g' t g u r q p u g " v q " y g' e q o o g p v' n g w g t . " c p f " c m' q y g t " u w r r q t v k p i " f q e w o g p v c v k p . " r t k q t " v q " k u " e g t w h e c v k p . " c p f " j c u " f g v g t o l p g f " y c v' y g' H l p c n' G C . " l p e n w f l p i " y g' t g u r q p u g " v q " y g' e q o o g p v' n g w g t " t g e g l x g f . " j c u " d g g p " e q o r n g v g f " l p " e q o r l k c p e g " y k j " E G S C = c p f " "

**WHEREAS.** "R t q r q u g f " C o g p f g f " T w r g " 3 6 2 9 " c p f " u w r r q t v k p i " f q e w o g p v c v k p . " l p e n w f l p i " d w " p q v' r k o k g f " v q . " y g' H l p c n' G C . " y g' H l p c n' U c h h " T g r q t v . " c p f " y g' U q e l q g e q p q o l e " k o r c e v' C u u g u o g p v . " y g t g " r t g u g p v g f " v q " y g' U q w j " E q c u' C S O F " I q x g t p l p i " D q c t f " c p f " y g' U q w j " E q c u' C S O F " I q x g t p l p i " D q c t f " j c u " t g x l g y g f " c p f " e q p u k f g t g f " y k u " l p h q t o c v k p . " c u " y g m' c u " j c u " v c n g p " c p f " e q p u k f g t g f " u c h h " v g u k o q p { " c p f " r w d r k e " e q o o g p v' r t k q t " v q " c r r t q x l p i " y g' r t q l g e v = c p f " "

**WHEREAS.** "y g' H l p c n' G C " t g h n g e w " y g' l p f g r g p f g p v' l w f i o g p v' q h " y g' U q w j " E q c u' C S O F = c p f " "

**WHEREAS,** y g' U q w j " E q c u' C S O F " I q x g t p l p i " D q c t f " h l p f u " c p f " f g v g t o l p g u " y c v' c m' e j c p i g u " o c f g " l p " y g' H l p c n' G C " c h g t " y g' r w d r k e " p q v l e g " q h " c x c k r c d k r k v " q h " y g' F t c h' G C . " y g t g " p q v' u w d u w c p v k n' t g x l u k q p u " c p f " f q " p q v' e q p u k w w g " u k i p h l e c p v' p g y " l p h q t o c v k p " y k j l p " y g' o g c p l p i " q h " E G S C " I w k f g r l p g u " U g e v k p p " 3 7 2 9 5 0 7 " q t " 3 7 2 : : 0 7 . " d g e c w u g " p q " p g y " u k i p h l e c p v' g h h g e w " y g t g " k f g p v k h g f . " c p f " p q " p g y " r t q l g e v' e q p f k k q p u " q t " o k k i c v k p " o g c u w t g u " y g t g " c f f g f . " c p f " c m' e j c p i g u " o g t g n' { e n c t k h { . " c o r r k h { . " q t " o c n g " l p u k i p h l e c p v' o q f h l e c v k p u " v q " y g' F t c h' G C . " c p f " t g e k t e w r c v k p " k u " y g t g h q t g " p q v' t g s w k t g f = c p f " "

**WHEREAS.** 'y g' Uqwj 'Eqcu' CS OF 'I qxgtplpi 'Dqctf 'j cu'f gvgto kpgf 'y cv' c'pggf 'gzkuw'q'co gpf 'Twr'3629'q'hw'y gt'tgf weg'ctugple.'ecf o kwo . 'cpf 'plengnicu'f kgevgf " d{ 'Eqpvtqn'O gcuwtg'VZO/28'htqo 'y g'Hlpcn'4238'Ck'S wcrk\ 'O cpci go gpv'Rrcp=cpf "

**WHEREAS.** " y g" Uqwj " Eqcu" CS OF " I qxgtplpi " Dqctf " hpfu" cpf " f gvgto kpgu."cnkpi "kpq"eqpukf gtcvkqp"y g"hcevqtu"kp"Ugevkqp"\*f +\*6+\*F + "qh'y g'I qxgtplpi " Dqctf "Rtqegf wtgu"\*eqf khlgf "cu"Ugevkqp"5207\*6+\*F +\*k+qh'y g'Cf o kpkutcvkxg"Eqf g+ "y cv'y g" o qf khlcvkqp"u"q'r ctc i tcr j u"\*e+\*+."\*e+\*47+."\*e+\*48+."\*f +\*3+."\*f +\*4+."\*f +\*7+."\*f +\*9+."\*f +\*+." \*g+\*3+."\*h+\*4+."cpf "\*"k+\*5+"cpf "o qf khlcvkqp"u"q'r ctc i tcr j u"\*j +\*5+."\*l+\*3+."cpf "\*"m+\*5+"o qf kh{ " o cvgtkcn'vgukpi "cpf "tgeqtf ngr kpi "tgs vkt go gpv'cf f "erctk\ "cpf "o gg'v'y g'uco g'ck's wcrk\ " qdlgevkvxg"cu"y g"xgtukqp"qh'y g"twrg"r tqr qugf "y kj "y g"52/f c{ "pqvleg"cpf "ctg"pqv'uq" uwducpvkcn'cu"q'uki pklhcvpn\ "chge'v'y g'o gcplpi "qh'y g'r tqr qugf "co gpf gf "twrg'y kj kp'y g" o gcplpi "qh'J gcnj "cpf "Uchgv\ 'Eqf g'Ugevkqp"62948"dgecwug<"\*c+y g'ej cpi gu'f q'pqv'ko r cev' go kuukqp'tgf wevkpu."\*d+y g'ej cpi gu'f q'pqv'chge'v'y g'pwo dgt"qt "v\ r g'qh'uqwtgu'tgi wrcvgf " d{ "y g"twrgu."\*e+y g'ej cpi gu'ctg"eqpukvgpv'y kj "y g'kphqto cvkqp"eqpvc'kpgf "kp'y g'pqvleg"qh' r wdrk"j gctkpi ." cpf " "f + " y g" eqpukf gtcvkqp"qh' y g"tcpi g"qh'EGS C" cngtpcvkxgu"ku"pqv' cr r rlecdrng"dgecwug"y g'ghgevu"qh'Rtqr qugf "Co gpf gf "Twr'3629"fq"pqv'ecwug"uki pklhcvpn\ ko r cev"cpf "y g'tghqtg."cngtpcvkxgu"ctg"pqv'tgs vkt gf =cpf "

**WHEREAS.** " y g" Uqwj " Eqcu" CS OF " I qxgtplpi " Dqctf " hpfu" cpf " f gvgto kpgu."cnkpi "kpq"eqpukf gtcvkqp"y g"hcevqtu"kp"Ugevkqp"\*f +\*6+\*F + "qh'y g'I qxgtplpi " Dqctf "Rtqegf wtgu"\*eqf khlgf "cu"Ugevkqp"5207\*6+\*F +\*k+qh'y g'Cf o kpkutcvkxg"Eqf g+ "y cv'y g" o qf khlcvkqp"u"uwdr ctc i tcr j "\*"g+\*3+\*F + "cpf "r ctc i tcr j "\*"g+\*5+\*cnjy u"cp"qr gtcvqt "q"uwg"cp" cr r tqxgf "cngtpcvkxg"engcplpi "o gj qf "y cv"o ggw"y g'uco g'ck's wcrk\ " qdlgevkvxgu"cpf " ghgevkxgpguu"qh'y g"j qwugnggr kpi "o gcuwtg'k'tgr megu0Uwdr ctc i tcr j "\*"g+\*3+\*F + "o ggw"y g" uco g'ck's wcrk\ "qdlgevkvxg"cu'y g"xgtukqp"qh'y g'twrg"r tqr qugf "y kj "y g"52/f c{ "pqvleg"cpf "ku" pqv'uq"uwducpvkcn'cu"q'uki pklhcvpn\ "chge'v'y g'o gcplpi "qh'y g'r tqr qugf "co gpf gf "twrg" y kj kp'y g'o gcplpi "qh'J gcnj "cpf "Uchgv\ 'Eqf g'Ugevkqp"62948"dgecwug<"\*c+y g'ej cpi gu'f q" pqv'ko r cev'go kuukqp'tgf wevkpu"dgecwug"y g"cngtpcvkxg"j qwugnggr kpi "o gcuwtg"o wuv'o gg'v' y g'uco g'ck's wcrk\ "qdlgevkvxg"cpf "ghgevkxgpguu"qh'y g'o gcuwtg'k'tgr megu."\*d+y g'ej cpi gu' f q'pqv'chge'v'y g'pwo dgt"qt "v\ r g'qh'uqwtgu'tgi wrcvgf "d{ "y g"twrgu"dgecwug"r tqxkukqp"fqgu" pqv'ej cpi g"y g"ueqr g"qh"RCT"3629."\*e+y g'ej cpi gu'ctg"eqpukvgpv'y kj "y g'kphqto cvkqp" eqpvc'kpgf "kp'y g'pqvleg"qh'r wdrk"j gctkpi "dgecwug"ku"cp"cngtpcvkxg"q"cu"r tqxkukqp"kp'y g" r tqr qugf "twrg"ht "y g"52/f c{ "pqvleg."cpf " "f + " y g" eqpukf gtcvkqp"qh' y g"tcpi g"qh'EGS C" cngtpcvkxgu"ku"pqv'cr r rlecdrng"dgecwug"y g'ghgevu"qh'Rtqr qugf "Co gpf gf "Twr'3629"fq"pqv' ecwug"uki pklhcvpn\ ko r cev"cpf "y g'tghqtg."cngtpcvkxgu"ctg"pqv'tgs vkt gf =cpf "

**WHEREAS.** "Rtqr qugf "Co gpf gf "Twr'3629"y kn'dg"pqv'dg"uwo kwgf "hqt" kpenwukqp"kpq"y g'Ucv'g'Ko r ngo gpvc'kqp'Rrcp=cpf "

**WHEREAS.** "y g"Uqwj "Eqcu"CS OF "uchh'eqpf wevgf "c"Rwdrk"Y qtmuj qr " tgi ctf lpi "Rtqr qugf "Co gpf "Twr'3629"qp"Lwp'g'3; .423; =cpf "

**WHEREAS.** "J gcnj "cpf "Uchgv{ "Eqf g"Ugevqpp"62949"tgs wktgu"vj cv'r tkt "vq" cf qr vpi ."co gpf lpi "qt"tgr gcnpi "c"twrg"qt"tgi wrvqpp."vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "uj cm'o cng"hpflpi u"qh"pgeguukv{ ."cwj qtkv{ ."emtkv{ ."eqpukvpe{ ."pqp/f wr rlecqpp." cpf "tghgtgpeg"dcugf "qp"tgrgxcplphqto cvqpp"r tguqpvgf "cv"vj g"r wdrlk"j gctkpi "cpf "kp"vj g"uchh" tgr qtvcpf "

**WHEREAS,** vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "j cu'f gvgto kpgf "vj cv" Rtqr qugf "Co gpf gf "Twrg"3629"ku"pggf gf "vq"hwj gt "r tqvgev"r wdrlk"j gcnj "d{ "tgf welpi " go kukppu"qh"ctugpk."ecf o kwo ."cpf "plengrltqo "pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvqpu=" cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "qdvclpu"ku"cwj qtkv{ " vq"cf qr v"co gpf "qt"tgr gcnl wgu"cpf "tgi wrvqppu"htqo "Ugevqppu"5; 224. '5; 872"gv0ugs 0"63922." 62223."62662."62663."62924."62947"vj tqwi j "6294: ."cpf "6372: "qh"vj g"J gcnj "cpf "Uchgv{ " Eqf g="cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "j cu'f gvgto kpgf "vj cv" Rtqr qugf "Co gpf gf "Twrg"3629"ku"y tkwgp"qt" f kur n{ gf "uq"vj cv"vj g"o gcplpi "ecp"dg"gcukv{ " wpf gtuvqf "d{ "vj g"r gtuvpu" f k gevn{ "chhgev{ "d{ "k="cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "j cu'f gvgto kpgf "vj cv" Rtqr qugf "Co gpf gf "Twrg"3629"ku"lp"j cto qp{ "y kj "cpf "pqvlp"eqphrlkv{ kj "qt"eqpvtcf kvqt{ " vq."gzkukpi "ucwwgu."eqwtv{f gekukppu"qt"ucvg"qt"hgf gtcnltgi wrvqppu="cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "j cu'f gvgto kpgf "vj cv" Rtqr qugf "Co gpf gf "Twrg"3629"y knleqo r n{ "y kj "vj g"Ecrlhtplk"Ckt"Tuqwtegu"Dqctf "P qp/ Hgttqwu"O gcn'O gnkpi "Ckt dqtpg"Vqzle"Eqpvtqn'O gcuwgu="cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf "j cu'f gvgto kpgf "vj cv" Rtqr qugf "Co gpf gf "Twrg"3629"y knlpqvko r qug"vj g"uco g'tgs wktgo gpw"cu"cp{ "gzkukpi "ucvg" qt"hgf gtcnltgi wrvqppu"0"Vj g"co gpf o gpw"ctg"pgeguuct{ "cpf "r tqr gt"vq"gzgewg"vj g"r qy gtu" cpf "f wkgu"i tcpvgf "vq."cpf "ko r qugf "wr qp."Uqwj "Eqcu/CS O F ="cpf "

**WHEREAS.** "vj g"Uqwj "Eqcu/CS O F "I qxgtlpi "Dqctf ."kp"co gpf lpi "Twrg" 3629."tghgtgpegu"vj g"hmjy lpi "ucwwgu"y j lej "vj g"Uqwj "Eqcu/CS O F "j gtgd{ "ko r ngo gpw." kpvgr tgu."qt"o cngu"ur gekhke<"J gcnj "cpf "Uchgv{ "Eqf g"Ugevqppu"5; 87; . '5; 888."63922"cpf " Hgf gtcnEngcp"Ckt"Cev"Ugevqppu"334"cpf "338="cpf "

**WHEREAS.** "Ecrlhtplk"J gcnj "cpf "Uchgv{ "Eqf g"Ugevqpp"629490"tgs wktgu" vj g"Uqwj "Eqcu/CS O F "vq"r tgr ctg" c"y tkwgp"cpn{ uku"qh"gzkukpi "hgf gtcn"ckt"r qmwkqp" eqpvtqn"tgs wktgo gpw"cr r rlecdr"vq"vj g"uco g"uqwtg"v{r g"dgkpi "tgi wrvgf"y j gpgxgt"kv" cf qr w."qt"co gpf u"c"twrg."cpf "vj g"Uqwj "Eqcu/CS O F "u'eqo r ctcvkg"cpn{ uku"qh"Rtqr qugf " Co gpf gf "Twrg"3629"ku"lpnwf gf "kp"vj g"uchh"tgr qtvcpf "



**WHEREAS,** 'y g'Uqwj 'Eqcu'CS O F 'I qxgtplpi 'Dqctf 'j cu'f gvgto kpgf 'y cv' yj g'Uqekqgeqpqo le'K r cev'Cuuguuo gpv'qh'Rtqr qugf 'Co gpf gf 'Twrq'3629'ku'eqpukugpv'y kj " yj g'O ctej '39.'3; : ; 'I qxgtplpi 'Dqctf 'Uqekqgeqpqo le'T guqnrwkp'hqt'twrq'cf qr vqp=cpf

**WHEREAS,** 'y g'Uqwj 'Eqcu'CS O F 'I qxgtplpi 'Dqctf 'j cu'f gvgto kpgf 'y cv' yj g'Uqekqgeqpqo le'K r cev'Cuuguuo gpv'hqt'Rtqr qugf 'Co gpf gf 'Twrq'3629'ku'eqpukugpv' y kj 'y g'r tqxkukqpu'qh'J gcnj 'cpf 'Uchgv' 'Eqf g'Ugevkqp'626620 . '6294: 07. 'cpf 'y cv'Ugevkqp' 62; 4208'ku'pqv'cr r rdecdrq'vq'twgu'tgi wrvpi 'vqzle'ck'eqpwo kpcpw=cpf "

**WHEREAS,** " y g'Uqwj "Eqcu"CS O F "I qxgtplpi "Dqctf "j cu'f gvgto kpgf " Rtqr qugf "Co gpf gf "Twrq'3629'y knltguwn'lp'kpetgcugf "equu'vq'yj g'chhgevgf "kpf wutkgu." { gv' ctg" eqpukf gtgf " vq" dg" tgcupcdrg." y kj " c" vqcn' cppwcnk gf " equv" cu" ur gekhgf " kp" yj g' Uqekqgeqpqo le'K r cev'Cuuguuo gpv=cpf

**WHEREAS,** " yj g' Uqwj " Eqcu" CS O F " I qxgtplpi " Dqctf " j cu' cevkgu{ " eqpukf gtgf " yj g'Uqekqgeqpqo le'K r cev'Cuuguuo gpv'cpf " j cu'o cf g'c"i qqf "hckj "ghhqt'v'vq" o kpk k g'uwej 'ko r ceu=cpf

**WHEREAS.** 'y g'Uqwj 'Eqcu'CS O F 'ur gekhgu'yj cv'yj g'Rncppkpi 'cpf 'Twrqu' O cpci gt" qxgtuggkpi " yj g' twrg" f gxgnr o gpv' qh' Rtqr qugf " Co gpf gf " Twrg" 3629" ku" yj g' ewuqf kcp'qh'yj g'f qewo gpv'qt"qy gt"o cvgtknu'y j lej "eqpukwrg"yj g'tgeqtf "qh'r tqeggf kpi u" wr qp'y j lej 'y g'cf qr vqp'qh'yj gug'r tqr qugf 'co gpf o gpv'ku'dcugf . 'y j lej 'ctg'mecvgf "cv'yj g' Uqwj " Eqcu' Ck" S wcnk{ " O cpci go gpv' F knltkv." 43: 87" Eqr rg{ " F tkxg." F kco qpf " Dct." Ecnkhtpk=cpf "

**WHEREAS.** 'c'r wdrie'j gctkpi 'j cu'dggp'r tqr gtn{ 'pqvlegf 'kp'ceeqtf cpeg'y kj " yj g'r tqxkukqpu'qh'J gcnj 'cpf 'Uchgv' 'Eqf g'Ugevkqp'62947"cpf '6266207=cpf "

**WHEREAS.** 'y g'Uqwj 'Eqcu'CS O F 'I qxgtplpi 'Dqctf 'j cu'j grf 'c'r wdrie" j gctkpi 'kp'ceeqtf cpeg'y kj 'cm'cr r rdecdrq'r tqxkukqpu'qh'ucvg"cpf 'hgf gtcnrcy =cpf "

**NOW, THEREFORE BE IT RESOLVED.** yj cv'yj g'Uqwj 'Eqcu'CS O F " I qxgtplpi 'Dqctf 'j cu'eqpukf gtgf 'yj g'Hkpcn'GC'hqt'Rtqr qugf 'Co gpf gf 'Twrq'3629'vqi gyj gt" y kj "cmleqo o gpv'tgegkxgf 'f wtkpi 'y g'r wdrie'tgxkgy 'r gtkqf . 'cpf . 'qp'yj g'dcuku'qh'yj g'y j qng" tgeqtf "dghqtg"kv." yj g'Uqwj 'Eqcu'CS O F "I qxgtplpi "Dqctf <3+"hkf u'yj cv'yj g'Hkpcn'GC." kpenf kpi 'yj g'tgur qpug"vq'yj g'eqo o gpv'rgwgt." y cu'eqo r rgvgf "kp'eqo r rkepeg"y kj "EGS C" cpf "yj g'Uqwj 'Eqcu'CS O F au'Egt vkhgf "Tgi wrvqt{ "Rtqi tco . "4+"hkf u'yj cv'yj g'Hkpcn'GC" cpf "cmuwr r qt vpi 'f qewo gpv'y gtg'r tgugpvgf "vq'yj g'Uqwj 'Eqcu'CS O F 'I qxgtplpi 'Dqctf . " y j qug" o go dgtu" gz gtekugf " yj gkt" kpf gr gpf gpv' lwf i o gpv' cpf "tgxkgy gf . " eqpukf gtgf " cpf " cr r tqxgf 'yj g'kphqto cvkp'yj gtgkp'r tkqt'vq'cevki "qp'Rtqr qugf 'Co gpf gf 'Twrq'3629." cpf "5+ egt vkhgu'yj g'Hkpcn'GC=cpf ""

**BE IT FURTHER RESOLVED.**" y cv" dgecwug" pq" uki plkecpv" cf xgtug"  
gpxktqpo gpvcr"ko rcevu"y gtg"kf gpvkegf "cu"c"tguwn"qh"co gpf kpi "Twg"3629."Hkpf kpi u."c"  
Ucvgo gpvqh'Qxgttkf kpi 'Eqpukf gtcvqpu."cpf 'c'O kki cvkp.'O qpkkqtkpi ."cpf 'Tgr qtvpki 'Rrqp"  
ctg"pqvtgs wktgf "cpf "y gtg"pqvr tgr ctgf =cpf "

**BE IT FURTHER RESOLVED.**"y cv'yj g"Uqwj "Eqcu'CS O F "I qxgtpkpi "  
Dqctf "f qgu"j gtgd{ "cf qr v."r wtuwcpv"vq"yj g"cwj qtkv{ "i tcpvgf "d{ "xy ."Rtqr qugf "Co gpf gf "  
Twg"3629"cu'ugv'htvj "kp"yj g"cwcej gf ."cpf "kpeqtr qtcvgf "j gtgkp"d{ "tghgtgpeg0

"  
"

"  
"  
"

FCVG<aaaaaaaaaaaaaaaa"  
"

aaaaaaaaaaaaaaaaaaaaaaaaaaaa"  
ENGTMQH'VJ G'DQCTFU"

## ATTACHMENT F

\*Cf qr vgf 'Lwn{ ". :3; ; 6+\*RCT"3629"Ugr vgo dgt'8."423; +  
"

"

"

### **PROPOSED AMENDED RULE 1407. CONTROL OF EMISSIONS OF ARSENIC, CADMIUM, AND NICKEL FROM NON-FERROUS CHROMIUM METAL MELTING OPERATIONS**

"

]Rule Index to be included after adoption "

\*c+" Rwrtr qug"

Vj g'r wtr qug"qh'yj ku'twrg'ku'v'q'tgf weg"go kuukqpu"qh'ctugple."ecf o kwo ."cpf "plengnltqo "pqp/  
hgttqweej tqo kwo "o gvcn'o gnkpi "qr gtcvkqpu0"

"

\*d+" Cr r rlecdrkv{ "

"

Vj ku'twrg"cr r rlgv"vq"em'r gtuqpu"y j q"qy p"qt"qr gtevg"cp"qy pgt"qt"qr gtcvqt"qh"c"hcckkv{ "  
eqpf vevkpi "pqp/hgttqweej tqo kwo "o gvcn'o gnkpi "qr gtcvkqp\*ut."kpenwf kpi "dw'pqv'tko kgf "vq."  
uo gngtu"\*r tko ct {"cpf "ugeqpf ct {+."hqwpt lkgu."f kg/ecuvgtu."eqcvkpi "r tqeguugu"\*i cixcpk kpi "  
cpf "vppkpi +-."cpf "qyj gt"o kuegmcpqgwu"r tqeguugu"uwej "cu"fk "uqrf gt kpi ."dte| kpi ."cpf "  
cnwo kpwo "r qy f gt'r tqf vevkqp0"

"

\*e+" F ghpkkkqpu""

Hqt"vj g'r wtr qug"qh'yj ku'twrg."vj g'hqmvy kpi "f ghpkkkqpu"uj cm'cr r n{ <"

\*e+" \*3+" CNWO R WO "CP F "CNWO R WO /DCUGF "CNNQ[ "ku"cp{"o gvcn'yj cv'ku"eqpvckpu"  
cv'hcuv": 2'r gtegpv'cnwo kpwo "d{"y gki j x0"

\*e+" \*4+" CRRTQXGF "ENGCP R I "O GVJ QF U"ctg"vgej pls wgu"vq"engcp"y j kg"o kpo k kpi "  
hwi kkg'f wuv'go kuukqpu"eqpukv kpi "qh'y gv'y cuj .y gv'o qr .f co r "emvj .hvy "r tguwgt  
ur tc {"qt"xcewwo "gs wkr r gf "y kj "hngt\*utcvgf "d{"vj g"o cpwhcewtgt"vq"cej kxg"c"  
; ; 0 9' "eqptqn'ghhkgpe{"hqt"205"o letqp"r ctvengu0"

\*e+" \*5+" DCI "NGCM"FGVGE VIKP "U UVGO "ku"c"u{ vgo "vj cv'o qpkqtu"grgest kcr'ej cti g"  
vtcpuhgt"dcugf "qp"vtdqgrgestle"qt"grgest qucvle"kp f vevkqp"vq"eqpvkpwqwu"o qpkqt  
dci "ngcni g"cpf "uko krt "hcnwtgu"d{"f gvgevkpi "ej cpi gu"kp"r ctveng"o cuu'mqcf kpi "kp"  
vj g"gzj cwu0"

\*e+" \*6+" DWKNF R I "GP ENQUWTG"ku"c"dwkf kpi "qt"r j { ulecn'utvewwtg."qt"r qtvkqp"qh"c"  
dwkf kpi ."gpermuqf "y kj "c'hmqat."y cmu."cpf "c'tqqh'vq'r tggxgpv'gzr quwtg"vq"vj g'grgo gpvu"  
\*g0 0'r tgekr kcvkqp"qt"y kpf +."y kj "rko kgf "gpermuwtg"qr gpkpi u"vq"cmqy "ceegu"lht  
r gqr ng."xgj kengu."qt"gs wkr o gpv0C'tqqo "y kj kp"c"dwkf kpi "gpermuwtg"vj cv'ku"gpermuqf "  
y kj "c'hmqat."y cmu."cpf "c'tqqh'y qwf "cnuq"o ggv'y ku'f ghpkkkqp0"

- \*e+ " \*7+ " ECRVWTG"XGNQEKV/ "ku"vj g"o kpo wo "j qqf "kpf wegf "ckt"xgmekv/ "pgeguuct { "vq" ecr wtg"cpf "eqpxg{ "ckt"eqpwo kpcpv"kpq"cp"go kuukqp"eqmgevqp"u{ uvo 0'
- \*e+ " \*48+ " ENGCP "CNWO K WO "UETCR"ku"cp{ "ueter "vj cv"ku"eqo r qugf "uqrgn{ "qh"cnwo kpo " qt"cnwo kpo "cmq{ u" kpenwf kpi "cpqf k gf "cnwo kpo + "cpf "vj cv"ku"tgg"qh'r ckpv."qlu." i tgcugu."eqcvkpi u."tddgt."qt"r rnukeu0'
- \*e+ " \*59+ " EQRRTGT"QT"EQRRTGT"DCUGF "CNNQ[ U"ku"cp{ "o gcn'vj cv"ku"eqpckpu"o qtg"vj cp" 72"r gtegpv'eqr r gt"d{ "y gki j v."kpenwf kpi ."dw"pqv'ko kgf "vq."dtcuu"cpf "dtqpl g0'
- \*e+ " \*+ " EWUVQO GT"TGVTWP U"ctg"cp{ "o cvgtkcn"vj cv" kpenwf gu" hwpftt+ "tgwtpu."tlo u." r wpej /qwu." wtpkpi ." ur twgu." i cvgu." tkgu." cpf " uko krt" o cvgtkcn' kpvpgf gf " hqt" tgo gmkpi "vj cv"j cu"pqv'dggp"eqcvgf "qt"uwthcegf "y kj "cp{ "qvj gt"o cvgtkcn"r tkqt"vq" tguern" qh" vj g" r tqf wev" qt" hwtj gt" f kwtkdwkqp" kp" eqo o gteg." cpf " kpenwf gu" f qewo gpvcvkp" eqphkto kpi "vj cv" vj g" o cvgtkcn' eqpckp" rguu" vj cp" 2024" r gtegpv' ctugple."2026"r gtegpv'ecf o kwo ."cpf "207"r gtegpv'ej tqo kwo "d{ "y gki j v0'
- \*6+ " F KVTKEV"ku"vj g"Uqwj "Eqcu"Clk"S-werk/ "O epei go gpvF kwtle0'
- \*e+ " \*7+ " F WUV"HQTO K I "O CVGTICN"ku"cp{ "o cvgtkcn'eqpckkpi "o qtg"vj cp"37"r gtegpv' d{ "y gki j v'qh'r ctvlewrg"o cwtg"rguu"vj cp"20 6"o krio gvg"o o + "gs wxcnrgpvf lco gvg" cu"f gvgto kpgf "d{ "CUVO "E358/: 6c"oUwpftt+u"Ucpf ctf "Vguv'O gyj qf "hqt"Ukxg" Cpcn{uku"qh" Hkpg"cpf "Eqctug"Ci i tgi cvguo" wukpi "c" P wo dgt"42" WUO Dwtgcw"qh" Ucpf ctf u"ukxg"y kj "20 6"o o "us wctg"qr gkpi u"qt"cp"cngtpcvg"o gyj qf "f ggo gf " ceegr vcdrg"d{ "vj g"Gz gewkxg"Qhkegt"qt"j ku" f guki pgg0'
- \*e+ " \*832+ " GO KUUKQP "EQNNGE VKQP "U[ UVGO "ku"cp{ "gs wkr o gpv"u{ uvo "kpuvcmgf "hqt"vj g" r wtr qug"qh'f kgevkpi ."cnkpi "kp."eqphkpi ."cpf "eqpxg{ kpi "cp"ckt"eqpwo kpcpv."cpf " y j lej "eqphkto u"vq" f guki p"cpf "qr gtcvkp"ur gekhcevkpu"i kxgp"kp"vj g"o quv'ewttgpv' gf kkp"qh" kpf wutkenXgpwkvqp."I wlf gnpgu"cpf "Tgego o gpf gf "RteeleguIndustrial Ventilation: A Manual of Recommended Practice for Design."r wdrkuj gf "d{ "vj g" Co gtkecp"Eqphgtpeg"qh'I qxgtpo gpvcr"epf "kpf wutkenJ { i kpkwu"42+ "Gf kkp"qt" vj gteghgt + "cv"vj g"vko g"vj g"e"eqo r rvg"r gto k'cr r necvkp"ku" f ggo gf "eqo r rvg"d{ "vj g" Uqwj "Eqcu"CS O F ku"qp" hrg"y kj "vj g" F kwtle0'
- \*e+ " \*33+ " GO KUUKQP "EQP VTQN'F GXKEG"ku"cp{ "gs wkr o gpv"u{ uvo "kpuvcmgf "kp"vj g"gzj cwuv'u{ uvo " qh" c"pqp/ ej tqo kwo "o gcn'lo gmkpi "hwtpeeg"qt"chgt"vj g"go kuukqp"eqmgevqp"u{ uvo " hqt"vj g"r wtr qug"qh'eqmgevki "cpf "tgf wekpi "o gcn'go kuukpu0'
- \*9+ " GO KUUKQP "RQR V"ku"cp{ "neevkq"y j gtg"o qnwp"o gvenku"qt"eep"dg"gzr qugf "vq"ekt." kpenwf kpi ."dw"pqv'ko kgf "vq." hwtpeegu."etweldgu."tghkpi "ngwgu."ref gu."ver "j qngu." r qwtkpi "ur qwu."cpf "uri "ej eppgu0C"o qn "qt" f lg"kp"y j lej "o gvenku"eqqkpi "ku"pqv' eqpukf gtgf "ep"go kuukqp"r qkp0'

- \*e+ " \*34+ " GP ENQUGF "UVQTCI G"CTGC "ku"cp{ "ur ceg" wugf "vq"eqpvclp"o cvgtknu"y cv'j cu"c" y cml"qt"r ctvklqp"qp"cv'ngcu"y j tgg"ukf gu"qt"y j tgg/s wctvgtu"qh"ku"ektewo hgtgpeg"cpf" y cv'uetggpu"y j g'o cvgtknu"uqgtgf"y j gtgkp"vq"r tggp'go kuukpu"qh'y j g'o cvgtknu"vq"y j g" ckt0
- \*e+ " \*35+ " GP ENQUWTG"QRGP KPI "ku"cp{ "qr gpkpi "y cv'ku"f guki pgf "vq"dg"r ctv'qh"c"dwkf kpi " gpenquwtg."uwej "cu"r cuuci gu."f qqty c{ u."dc{ "f qqtu."y cml"qr gpkpi u."tqqh"qr gpkpi u." cpf "y kpf qy u0Ucemu."f wevu."cpf "qr gpkpi u"vq"ceeqo o qf cvg"ucemu"cpf "f wevu"ctg"pqv" eqpukf gtgf "gpenquwtg"qr gpkpi u0
- \*e+ " \*36+ " HCEKNKV[ "ku" c" uqwtg"cv"y j lej "pqp/ej tqo kwo "o gvcn"o gmkpi "qr gtcvklpu"ctg" eqpf wevgf."cpf "ku"cp{ "tgen"qt"r gtuqpen"r tqr gtv{ "y j lej "ku"mcev"qf "qp"qpg"qt"o qtg" eqpki wqwu"qt"cf lcegpv'r ctegn"qh'r tqr gtv{ "lp"cewcn'eqpvcev"qt"ugr ctcvgf "uqrgn{ "d{ " c'r wdne"tqcf y c{ "qt"qy j gt'r wdne"tki j vqh/y c{ "cpf "ku"qy pgf "qt"qr gtcvgf "d{ "y j g'uco g" r gtuqp"qt"r gtuqp\*u+."eqtr qtcvklp."i qxgtpo gpv'ci gpe{ ."r wdne"f kntkev."r wdne"qhhegt." cuuqekvklp."lqkv'xgpwtg."r ctvgtuj kr ."qt"cp{ "eqo dlpvklp"qh'uwej "gpvklgu0
- \*e+ " \*37+ " HOWPFTI "ku"cp{ "hceklv."qr gtcvklp."qt"r tqeguu"y j gtg"o gvcn"qt"o gvcn"cmj{ "ku" o gmgf "cpf "ecuvf0"
- \*e+ " \*3238+ "HM KVKXG'O GVCN'F WUV'GO KUUKQP U"ctg"o gvcn'go kuukpu"htqo "pqp/ej tqo kwo " o gvcn'o gmkpi "qr gtcvklpu"uqwtg"y j cv'gpvt"y j g'cwo qur j gtg'y kj qw'r cuukpi "y j tqwi j " c"uceni"qt"xgpv'f guki pgf "vq"ft gev"qt"eqpvtn"y j gk"lmj "qt"guccr kpi "c"uceni"qt"xgpv' f guki pgf "vq"ft gev"qt"eqpvtn"y j gk"lmj "y j kj qw'r cuukpi "y j tqwi j "cp"go kuukp"eqpvtn" f gxleg"qt"y j ev"guccr g"htqo "e"r tqr gtn{ "f guki pgf "epf "qr gtevgf "go kuukp"eqmgevklp" u{uwo u0 Hwi klxg" go kuukpu" dtqefn{ "lpemf g" go kuukpu" htqo "r tqeguu"qt" qr gp" uqwtegu0Rtqeguu"uqwtegu"lpemf g."dw"etg"pqv'ilo kgf "vq."go kuukpu"htqo "uqtei g"epf" j epf npi "qh"o evgtlen"uwej "eu"dei j qwug" f wu0 Qr gp"uqwtegu"lpemf g."dw"etg"pqv' ilo kgf "vq."go kuukpu"htqo "gpv'ekpo gpv'qh"uqnf "r ctv'ewv'gu" d{ "y j g"htqegu"qh'y kpf" qt"o cej kpgt{ "cev'kpi "qp"gzr qugf "uqwtegu"uwej "eu" f wuv"ugwgf "htqo "ej eti kpi "epf" verr kpi "qh"o gvcn'witi leen'htwpeegu0
- " \*33+ " HM KVKXG'GO KUUKQP U"EQP VTQN"ku"cp{ "gs wkr o gpv."cev'klv{ "qt"r tqeguu"y j ev"ku" wklk gf "vq"tgf weg" hwi klxg" go kuukpu0
- " \*34+ " I QQF " QRGT CVKPI " RTCEVKEGU" ctg" ep{ "ur gekle" cev'klv" pgeguet{ "vq" o clp'clp"y j g"eqmgevklp" epf "eqpvtn" ghheklp'egu" eu" f guki pgf "epf "r gto kgf "hqt0 Vj gug"cev'klv"lpemf g."dw"etg"pqv'ilo kgf "vq."xgtlh{ kpi "qr gtevkpi "ur gekle"cev'klv" uwej "eu"r tqf wevklp"y j tqwi j r wv."vgo r gtewtg"eqpvtn"engcpkpi "e{engu"ekt"lmj "epf" xgmekv{ "epf "lpur gev'kpi "gs wkr o gpv."uwej "eu"htwgt"ect vlf i gu"qt"dei u"lp"e"dei j qwug." r tguwtg"i ewi gu."f wev"y qtm"dmjy gtu"epf "eqo r qpgpva"qh"y j g"eqpvtn"gs wkr o gpv." y j tqwi j "e"i gpget'o clp'vgepeg"epf "lpur gev'klp"r tqi teo 0

- " \*35+ J CTF "NGCF "ku"cp"cmj{"eqpvclpki "ev"mguv"; 2"r gtegpv"mef"epf"o qtg"vj cp"2023" r gtegpv"etugple"d{"y gli j v"qt"2023"r gtegpv"eef o kwo "d{"y gli j v"0"
- " \*36+ O QNVGP "O GVCN"ku"o gvcn"qt"o gvcn"cmj{"lp"e"nks wkf "ucvg."lp"y j lej "e"eqj gukg" o cuu"qh"o gvcn"y kn'hmy "wpf gt" cvo qur j gtle"r tguuwtg"cpf "cmg"vj g"uj cr g"qh"e" eqpvclpgt"lp"y j lej "k'ku'r megf 0"
- \*e+" \*39+ HWP EVI QP CNN "UKO KCT "HWTP CEG"ku"e"hwtpceg"wguf "hqt"o gvcn"o gmkpi "vj cv" ku"vj g"uco g"v r g"qh"hwtpceg"grgevtle."lpf wevkp."ewr qm."tgxgtdgtcwt{"gve0"cpf " uko kct uk g."wr "vq"e"72"r gtegpv"qt"722"r qwpf "f khtgpeg"d{"ej cti g"y gli j v."wguf "cv" c"hekrkv{"vq"o gn"vj g"uco g"cmj{"u0"
- \*e+" \*3: + NQY "RTGUUWTG"URTCI "ku"e"nks wkf "utgco "y kj "c"r tguuwtg"qh"57"r qwpf u"r gt" us wctg"lpej "qt"mgu0"
- \*e+" \*3: + O GVCN"EWVPI "ku"e"r tqeguu"wguf "vq"cdtcukxgn{"ew"lpi qv."mji . "dkmgv"uqgem" ecukpi u."qt"htgo gf "r ctu"pqv"eqpf wevgf "wpf gt"e"eqpvkpwqu"hmj "qh"o gvcn"tgo qxcn" hmkf 0"
- \*e+" \*42+ O GVCN"ITKFI "ku"e"r tqeguu"wguf "vq"i tkpf "lpi qv."mji . "dkmgv"uqgem"ecukpi u."qt" htgo gf "r ctu"pqv"eqpf wevgf "wpf gt"e"eqpvkpwqu"hmj "qh"o gvcn"tgo qxcn"hmkf 0"
- \*e+" \*3743+ O GVCN"O GNVPI "HWTP CEG"ku"cp{"cr r ctcwu"lp"y j lej "o gvcn"ku"dtqwi j v"vq"e" nks wkf "ucvg"lpenf lpi . "dw"pqv"rko kgf "vq."dmuv."etwekdng."ewr qm."f kgev"cte."grgevtle" cte."j gctvj . "lpf wevkp."r qv."cpf "uy gcv"hwtpcegu."cpf "tghlplpi "ngwgu."tgi ctf ngu"qh" vj g"j gcvlpi "o gej cpluo 0"O GVCN"O GNVPI "HWTP CEG"fggu"pqv"lpenf g"ep{" err r etewu"lp"y j lej "o gvcn"ku"j gevfg "dw"fggu"pqv"tgcej "e"o qnngp"ucvg."uwej "eu"e" ukpvtlpi "hwtpceg"qt"ep"eppgenlpi "hwtpceg0"
- \*e+" \*44+ O GVCN"TGQXCN"HNWF "ku"e"hmkf "wguf "cv"vj g"vqgn"cpf "y qtnr kgeg"lpvgt hceg"vq" hcekrkv"vj g"tgo qxcn"qh"o gvcn"htgo "vj g"r ctv."eqqn"vj g"r ctv"cpf "vqgn"gzvgpf "vj g"r hkg" qh"vj g"vqgn"qt"vq"hmj "cy c{"o gvcn"ej kr u"cpf "f gdtku."dw"fggu"pqv"lpenf g"o kpkwo " s wcpkv{"hwdtkecvkp"hmkf u"wguf "vq"eqcv"vj g"vqgn"y qtnr kgeg"lpvgt hceg"y kj "c"vj kp"hm " qh"nwdtkecvp"cpf "o kpkwo k g"j gcv"dwkf wr "vj tqwi j " htlekvp"tgf wevkp0" O kpkwo " s wcpkv{"hwdtkecvkp"hmkf u"ctg"cr r nkgf "d{"r tg/eqcvlpi "vj g"vqgn"lp"vj g"nwdtkecvp"qt"d{" f kgev"cr r nkecvkp"cv"vj g"vqgn"y qtnr kgeg"lpvgt hceg"y kj "c"lkg"o ku0"
- \*e+" \*45+ O QNVGP "O GVCN"ku"o gvcn"qt"o gvcn"cmj{"lp"e"nks wkf "ucvg."lp"y j lej "e"eqj gukg" o cuu"qh"o gvcn"y kn'hmy "wpf gt" cvo qur j gtle"r tguuwtg"cpf "cmg"vj g"uj cr g"qh"e" eqpvclpgt"lp"y j lej "k'ku'r megf 0"
- \*e+" \*3646+ P GY "UCPF "ku"cp{"ucpf "pqv"gzr qugf "vq"vj g"ecukpi "r tqeguu0"
- \*e+" \*47+ P QP/EJ TQO KWO "O GVCN"ku"cp{"o gvcn"vj cv"eqpvclpu"ngu"vj cp"207"r gtegpv"d{" y gli j v"vqcn"ej tqo kwo "eqpvgpv"cu"fgvto kpgf "qp"e"o qpv nf"s wctvgn{"y gli j vgf " cxgtci g0"

- " \*39+ " P QP/HGTTQWU"O GVCN"ku"ep{"o gvcn"j cv"eqpvekpu"emo lpwo ."etugple."ecfo kwo ."eqrrgt."hgef."lpe"qt"vj gk"emq{u0'
- " \*3:-+ " RCTVKEWNCVG"O C VVGT"QT"RO "ku"ep{"o cvgtkcn"gzegr v"wpqo dlpqf"y cvgt."y j lej"gzkuu"lp"e"hpqn{"f kklf gf"hqto "cv"uepf ctf"eqpf kklpu"qh"vgo r gtewtg"epf"rtguwtg"\*4; 5<sup>12</sup>"M"epf"982"o o "o gtewt{-0'
- " \*3;-+ " HRP G"RCTVKEWNCVG"O C VVGT"QT"RO<sup>32</sup>"ku"ep{"o cvgtkcn"gzegr v"wpqo dlpqf"y cvgt."y j lej"gzkuu"lp"e"hpqn{"f kklf gf"hqto "cv"uepf ctf"eqpf kklpu"qh"vgo r gtewtg"epf"rtguwtg"\*4; 5<sup>12</sup>"M"epf"982"o o "o gtewt{-0'
- " \*42+ " RCTVKEWNCVG"O C VVGT"EQP VTQN"U UVGO "ku"ep{"f gxleg"qt"ugtgu"qh"fgxlegu"fguli pgf"epf"qr gtevgf"lp"e"o cpggt"lpvgpf gf"vq"tgo qxg"qt"tgfweg"hpq"retvwrevg"o ewgt">32"Uo "Htqo "ep"ek"qt"i eu"wtgeo-0'
- " \*43+ " RGTUQP "ku"ep{"hto ."dwulpguu"guedruj o gpv"euqelevqp."retvgtuj lr."eqtr qtevkqp"qt"lpf kklf wen"y j gvj gt"eevpi "eu"rtlpelr en"ci gpv."go r m{gg"qt"qvj gt"eer eekv{."lpemf lpi "ep{"i qxgtpo gpven"gpv{"qt"ej etkedng"qti epl evlqp"cu"fglpqf"lp"J genj"epf"Uchgv{E qf g"Ugevkqp"5; 2690'
- " \*44+ " RTQEGUU"GO KUIQP"EQP VTQN"ku"ep{"gs wlr o gpv"lpuemf"epf"qr gtevgf"vq"eqpvtqn"go kulkpu"qh"vqzle"o gvcn"htqo "ep"go kulkqp"r qlp0'
- " \*45+ " RWTG"NGCF "ku"ep{"emq{"vj cv"ku"ev"heuv"; 2"r gtegpv"hef"epf"eqpvekpu"pq"o qtg"vj ep"2023"r gtegpv"ecfo kwo "d{"y gli j v"epf"pq"o qtg"vj ep"2023"r gtegpv"etugple"d{"y gli j 0'
- \*e+ " \*4648+ "TGTWP "UETCR"ku"ep{"o cvgtkcn"j cv"lpemf gu"tgwtpu."tko u."r wpej /qwu."wtplpi u."ur twgu."i cvgu."tkugtu."hqwptt{"tgwtpu."cpf"ulo krt"o cvgtkcn"lpvgpf gf"htq"tgo gnkpi "vj cv"j cu"pqv'dggp"eqcvgf"qt"uwthcegf"y kj "cp{"qvj gt"o cvgtkcn"cpf <"
- " " \*C+ " Y cu"i gpgtcvgf"cv"vj g'o gvcn'o gnkpi "hcekrkv"cu"e"eqpugs wpeg"qh"e"ecukpi "qt"htqo kpi "r tqeguu"qt"
- " " \*D+ " Y cu"i gpgtcvgf"qhukg"qh"vj g'o gvcn'o gnkpi "hcekrkv"cu"e"eqpugs wpeg"qh"e"ecukpi "qt"htqo kpi "r tqeguu"htqo "o cvgtkcn"i gpgtcvgf"cv"vj g'o gvcn'o gnkpi "hcekrkv."rtkqt"vq"tgucng"qh"vj g'r tqf wev"qt"htvj gt"fkutkdwkqp"lp"eqo o gteg."cpf"lpemf gu"fqewo gpvcvkqp"eqphkto kpi "vj cv"vj g'o cvgtkcn"y gtg"i gpgtcvgf"cv"vj g'o gvcn'o gnkpi "hcekrkv{0'
- \*e+ " \*4749+ "TRP I NGO CPP"TRP I GNO CPP"EJ CTV"ku"vj g"Tkpi ngo epp"Tkpi gm cpp"Ej ctv"r wrdkuj gf"lp"vj g"Wpkvgf"Ucvgu"texley "Dwtgcw"qh"O kpg"Kphqto cvkqp"Ektewrt"P q0'3E: 555."Oc{"3; 89+."cu"ur gekhgf"lp"vj g"J genj "cpf"Uchgv{E qf g"Ugevkqp"63923"\*d+0'
- " \*47+ " TGTWP "UETCR"ku"ep{"o cvgtkcn"j cv"lpemf gu"ur twgu."i cvgu."tkugtu."hqwptt{"tgwtpu."epf"ulo krt"o cvgtkcn"lpvgpf gf"htq"tgo gnkpi "vj cv"vj cu"dgpp"i gpgtevgf"ev"vj g"hcekrkv{"

- eu'e"eqpugs wpeg"qh'ecukpi "qt"htqo kpi "r tqegu'dw"j cu'pqv'dggp"eqevgf "qt"uwthregf" y kj "cp{"o cvgtkcn'eqpcklpi "ecf o kwo "ctugple"qt"plengn"
- \*e+" \*484: +"UETCR"ku"cp{"o gvcn'qt"o gvcn/eqpcklpi "o cvgtkcn' y cv'j cu"dgpp" f kuctf gf "qt" tgo qxgf "htqo "y g"wg"htq"y j lej "k'y cu"r tqf wegf "qt"o cpw'cewgtf "cpf "y j lej "ku" kpwpgf gf "htq"tgr tqeguukpi 0Vj ku"fqgu'pqv'kpenwf g'tgtwp'uetcr "qt"ewuqo gt'tgwtpu0
- \*e+" \*494: +"UQNF GT"ku"cp{"o gvcn'lp"y j lej "y g'uwo "qh'y g'rgcf "cpf "kp"eqpvgpv'ku'i tgcvtg"y cp" 72"r gtegpv'd{"y gki j v'cpf "y j lej "ku"wgf "vq"lqkp"y q"o gvcn'qt"lqkp"o gvcn'vq"cp{" qy gt"o cvgtkcn'}
- " \*4: "+" V- RG'O GVCN"ku"cp{"rgcf/deugf "em{"wgf "htq"Nkpqv'r g"o cej kpgu0"
- "
- \*f "+" Go kuukqp"EqpvtqniTgs wktgo gpwu"
- " Cp{"r gtupq"y j q"qy pu"qt"qr gtevgu"e"pqp/hgttqwu"o gnkpi "heekv{"uj em'dg"lp"eqo r rkepeg" y kj "em"y g'tgs wktgo gpwu"ur gekhgf "lp"uudf kxkukpu"i "cpf "g"i"pq"rvg"y ep"lwn"8."3"; 80"
- \*f "+" \*3+" Wpwn'eqo r rkepeg'ku'f go qputcvgf "y kj "y g'r tqxkukpu'r wtuwcpv'q'r ctei tcr j u"i +5+" qt"i +6+"cp"qy pgt"qt"qr gtevtg"qh'c"pqp/ej tqo kwo "o gnkpi "qr gtevkqp"uj cm'xgpv'cm' cm'go kuukqp"r qkpvu"uj em'dg"xgpvgf"vq"cp"go kuukqp"eqmgev'kp"u{ugvgo "cpf "go kuukqp" eqpvtqni' f gxleg" f guki pgf " cpf " qr gtevgf " kp" ceeqtf cpeg" y kj " y j g" o cpw'cewgt" ur gekhcvkpu."y j lej "y cu'uwdo kwgf "lp"y g'r gto k'cr r rkecvkqp"vq"y g"FlwteUqwj" EqcuVCS OF."cpf "y g'eqpf kxkpu"ur gekhgf "lp"y g'kuwgf "r gto k0'
- \*f "+" \*4+" Wpwn'eqo r rkepeg'ku'f go qputcvgf "y kj "y g'r tqxkukpu'r wtuwcpv'q'r ctei tcr j u"i +5+" qt"i +6+"cp"qy pgt"qt"qr gtevtg"qh'c"pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtevkqp"uj cm' xgpv'vq"y g"i cu'utgco "htqo "cp{"go kuukqp"eqmgev'kp"u{ugvgo "uj em'dg"fwegf"vq"cp" go kuukqp"eqpvtqni'f gxleg"y j lej "uj cm'tgf weg"y g'r ct'kwrcvg"go kuukpu'd{" ; ; "r gtegpv" qt"o qtg"d{"y gki j w'}
- \*f "+" \*5+" Pq"rvg"y cp"lcpwct{"3."4243."cp"qy pgt"qt"qr gtevtg"qh'c"pqp/ej tqo kwo "o gvcn' o gnkpi "qr gtevkqp"uj cm'tgf weg"go kuukpu"htqo "c"pqp/ej tqo kwo "o gvcn'o gnkpi " hwtpeeg"cu'f go qputcvgf "y tqwi j "c"uqwtg"vgu'r wtuwcpv'q"uudf kxkukpu"i +."qh'<
- " " \*C+" Ctugple"d{"c"o kpo wo "qh' ; ; "r gtegpv"'
- " " \*D+" Ecf o kwo "d{"c"o kpo wo "qh' ; ; "r gtegpv"cpf "'
- " " " \*E+" Plengn'd{"c"o kpo wo "qh' ; ; "r gtegpv0"
- \*f "+" \*6+" Cu"cp"cm'etpcv'xg"vq"r ctei tcr j "i +5+"cp"qy pgt"qt"qr gtevtg"qh'c"pqp/ej tqo kwo " o gvcn'o gnkpi "qr gtevkqp"o c{"mgev'vq"i go qputcvg"ci i tgi cvg"o cuu'go kuukqp"rko ku" hqt"gej "qh'y g"ur gekh"r qmwcpvu"cdqvg"htqo "cm'pqp/ej tqo kwo "o gvcn'o gnkpi " hwtpegu"cpf "cuuqekcvgf "go kuukqp"eqpvtqni'f gxlegu"d{"f go qputcvkpi "y tqwi j "c" uqwtg"vgu'r wtuwcpv'q"uudf kxkukpu"i +."cej kxgo gpv'qh'y g'hmqy kpi "rko ku'<



" " \*C+ " Ctugple<'nguu" vj cp" 2022288" r qwpf u" r gt" j qwt. " kp" nkgw" qh" vj g" nko k' kp" uwdrc tci tcr j "f +\*5+\*C+ "

" " \*D+ " Ecf o kwo <'nguu" vj cp" 2022736" r qwpf u" r gt" j qwt. " kp" nkgw" qh" vj g" nko k' kp" uwdrc tci tcr j "f +\*5+\*D+ "qt"

" " \*E+ " Plengn' nguu" vj cp" 2022: 6: " r qwpf u" r gt" j qwt. " kp" nkgw" qh" vj g" nko k' kp" uwdrc tci tcr j "f +\*5+\*E+ 0"

\*f + " \*57+ " Vj g"qy pgt"qt"qr gtcvt"qh'c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkp"uj cm'pqv'cmqy " vj g"vgo r gtcwtg"qh'vj g"i cu'utgco "gpvtkpi "cp{ "Retvlewrevg"o ewgtgo kuukqp"eqpvtqn' f gxleg"vj cv'ku'r ctv'qh'vj g"go kuukqp"eqngevkp"u{uvg "uj em'pqv'vq"gzeggf "582"fi tgg" Hcjtgpj gkx'wprguu'k'ecp'dg'f go qpwtcvgf "cpf 'ku'cr r tqxgf 'kp'y tklpi "d{ 'vj g"Flutlev" Gzgewlwg"Qhleg"t. "vj cv'gkvj gt<"

\*C+ " e"C"eqpvtqn'ghlegpe{ "qh"; ; "r gtegpv"qt"o qtg"ht"ctugple"cpf "ecf o kwo . "cu" f go qpwtcvgf "vj tqwi j "c"uqwtg"vgu"r wuvcv'vq"uwdf kxkuukqp"i + "y km'dg" cej kxgf "cv'c"j ki j gt"vgo r gtcwtg="qt"

\*D+ " K'ecp'dg'f go qpwtcvgf "vj cv'vj g"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkp"ku'kp" eqo r nkepeg'y kj "r tci tcr j u"i +\*5+"qt"i +\*6+0"

" \*6+ " Vj g"eqpvtqn'ghlegpe{ "qh'vj g"r etvlewrevg"eqpvtqn'f gxleg"uj em'dg"fgvto lpef "d{ "e" uqwtg"vgu"eqpf vevgf "lp"eeqtf epeg"y kj "UECS-OF"O gvj qf "701"6"fgvto lpevkp" qh"Retvlewrevg"O ewgt"Go kuukpu"tqo "Uevkpet{ "Uqwtg"vulpi "J-gevfg "Rtqdg"epf" Hnkt0Cp"engetpeg"vgu"o gvj qf "vq"O gvj qf "701"o e{ "dg"wgf "h'k'ku'err tqxgf "d{ "vj g" Gzgewlwg"Qhleg"t"qt"j ku"fguli pgg"qh'vj g"Eenktple"Clk"tguqwtg"Dqetf 0"Vj g" eqpvtqn'ghlegpe{ "uj em'dg"eevrevgf "vulpi "vj g"hmmy kpi "gswevkp<"

"

" " " E<sub>ip</sub>"6"E<sub>qww</sub>" " z"322"? " "go kuukqp"tgf wevkp"

" " " "E<sub>ip</sub>"

"

" " Yjgtg<E<sub>ip</sub>"?"o euu"qh'r etvlewrevg"o ewgt"ev'vj g"lpgv'vq"vj g"eqpvtqn'f gxleg"

"

" " " E<sub>qww</sub>"?"o euu"qh'r etvlewrevg"o ewgt"ev'vj g"qwwg"qh'vj g"eqpvtqn'f gxleg"

"

" " " O euu"? "uwo "qh'vj g"hnkt"eevj. "rtqdg"eevj. "lo r lpi g"eevj. "epf "uqngpv"

" " " " gzteev"

"

" " Vj g"Gzgewlwg"Qhleg"t"qt"j ku"fguli pgg"o e{ "tgs vltg"eff klqpen"uqwtg"vgulpi" rgtkqf leem{ "vq"xgtkh{ "eqpvpwgf "eqo r nkepeg"qt"y j gp"vj g"rtqeguu"ku'ej epi gf 0"

- \*7+ I qqf "qr gtevkpi "rtcevelegu"uj em'dg"uugf "d{"vj g"heeklv"."cpf "f go qputevgf "y tqwi j"e" o clpvgepepeg"rtqi teo "cpf "vj g"uug"o geuwtkpi "f gxlegu."qt"qyj gt"rtqegf wtgu"err tqxgf" d{"vj g"Flutlev."vq"o clpvklp"ekt"o qxgo gp"cpf "go kuukqp"eqmgevqp"ghheekpe{"d{"vj g" u{uugo "eqpukvgpv"y kj "vj g"fguli p"etkgtlc"ht "vj g"u{uugo<"
- " \*C+ O clpvgepepeg"Rtqi teo-"
- " " Vj g"o clpvgepepeg"rtqi teo "uj em'ur gekh{"ev'e"o kplu wo "vj g"hmmy kpi<"
- " " \*K+ O czlo wo "emj edng"xetle vkp"htqo "f guki pgf "xewgu"qh"qr gtevkpi ""
- " " r eteo gvgtu."uwej "eu"ekt"xgmekv{"lp"vj g"j qqf "cpf "f wew"cpf "rtguwtg""
- " " ftqr"cetquu"vj g"eqptqnf gxleg0
- \*K+ Ctgeu"q"dg"xluwcm{"kpur gevfg."uwej "eu"vj g"engp"ukf g"qh"vj g"dei j qwug" cpf "f wew"qr gtevkpi "wpf gt" r quklxg"rtguwtg."cpf "vj g"tgs wktgf" htgs wgepe{"qh"uwej "kpur gevqp0
- \*K+ O gj qf u"qh"qewo gpvkpi "eqo r nepeg"y kj "vj g"tgs wktgo gpw."uwej " eu"e"qi "qh"uwej "kpur gevqp0"cpf "tgeqtf u"qh"qdugtxevqp0"cpf " o geuwtgo gpw0
- " " \*D+ O geuwtkpi "F gxlegu"
- " " " \*K+ Hqy "O gvet"
- " " " " Hqy "o gvet"u"uj em'dg"lpuemgf "lp"vj g"eqmgevqp"u{uugo "vq"lpf leevg"
- " " " " vj g"ekt"xgmekv{"lp"vj g"f wew"nef kpi "vq"qt"htqo "vj g"eqptqnf gxleg"
- " " " \*K+ Rtguwtg"l ewi g"
- C"o ei pgj gile"qt"e"li j vugpukxg"i ewi g"uj em'dg"lpuemgf "vq"lpf leevg" vj g"rtguwtg"ftqr 0Vj ku"i ewi g"uj qwf"j exg"e"j li j"cpf "mqy "ugvlpki "ht" vj g"rtguwtg"ftqr"cpf "uj qwf"vli i gt"ep"ento "u{uugo "y j gp"vj g"j li j" qt"mqy "ugv"r qlpw"etg"gzegfgf"qt"vj g"engp"lpi "e{eng"y j gp"vj g"j li j" ugvr qlpw"lutgeej gf0
- " " " \*K+ Dtqmp"Dei "F gvevqt"
- C"dtqmp"dei "f gvevqt"y kj "ep"ento "u{uugo "uj em'dg"lpuemgf "lp"vj g" ft{"hngt"eqptqnf gxleg"vq"uqwpf"ep"ento ."li"vj gte"etg"dtqmp"qt" f eo ei gf "hngt"o gflc"qt"ngem"lp"vj g"dei j qwug0
- \*K+ Vgo r gtewtg"l ewi g"
- C"vj gto qeqwr ng" cpf "e" vgo r gtewtg" eqptqngt" vq"o qpkqt"vj g" vgo r gtewtg"vq"vj g"lpgv"qh"vj g"eqptqnf gxleg"uj em'dg"lpuemgf0
- \*g+ Hwi kxg"Go kuukqp"Eqptqn"
- \*f+ \*38+ P q"cevxxv{"cuqekvgf"y kj "pqp/hettawej tqo kwo "o gvcil"o gmkpi "cv"e"heeklv"." kpenmf kpi "hwtpeeg"qr gtevkp."ecukpi ." go kuukqp"eqptqn"eqmgevqp"u{uugo "cpf " go kuukqp"eqptqn"fgxleg"qr gtevkp."cpf "vj g"uqtcig."j cpf rkpi ."qt"tcpuhtg"qh"cp{"

o cvgtkcnl\*gzegr v'pgy "ucpf +uj cml'f kfej cti g'lpvq"vj g'ck"cp{ "ck"eqpwo kpcpv"qy gt"  
 yj cp"wpqgo dlpqf "y cvgt"xcr qt."hqt"e'r gtlqf "ci i tgi cvkpi "o qtg"vj cp"vj tgg"o kpwgu"lp"  
 cp{ "qpqg"j qwt"y j kej "ku"

\*C+ J crh'cu" fctm'qt" fctngt"lp"uj cf g"cu"vj cv'f guk pgf "cu" P wo dgt"3"qp"vj g"  
~~Tkpi rgo epp~~ Tkpi gm cpp Ej ctv."cu'r wdrkuj gf "d{ "vj g'Wpkqf "Ucvgu'Dwtgcw'qh"  
 O kpgu="qt"

\*D+ Qh'uwej "qr cekv{ "uq"cu"vq"qduewt g"cp"qduxtgta'xkgy "vq"e"gi tgg"gs wcn'vq"qt"  
 i tgcvtg"vj cp"uo qmg"cu" fguetkdgf "lp"uwdrctci tcr j "g+3+C+1+8+C+"qt"32"  
 r gtegpv'qr cekv{ 0'

\*I+ \*9+ Cp"qy pgt"qt"qr gtcvtq"qh"e"pqp/ej tqo kwo "o gcn'o gmkpi "qr gtcvqp"uj cml'gputg"  
 xkukdg"go kuukpu'htqo "c"pqp/ej tqo kwo "o gcn'o gmkpi "hwtpege"hmmy u"e"ft gev't evj "  
 f q'pqv'guetr g'htqo "vq"vj g'eqmgevqp"mcevqp"u"qh'cp"go kuukqp"eqmgevqp"u'f ugo \*u+0'

\*I+ \*+ P q"rcvtg"vj cp"lwn"3."4242."vj g"qy pgt"qt"qr gtcvtq"qh"pqp/ej tqo kwo "o gcn'o gmkpi "  
 hwtpegu"gz kvlpi "r tkqt"vq"l Date of Adoption . "uj cml'uwdo k'eqo r rnv"Uqwj "Eqcu"  
 CS O F "r gto k'cr r rncvqp"u"htqo "go kuukqp"eqvtqn'f gxlegu"vq"vj g"Gzgewkxg"Qhleg"  
 wprguu"vj gte"ku"cp"cr r tqxgf "uqwtg'vuv'f go qpwtcvkpi "eqo r rncpeg'y kj "r ctci tcr j u"  
 \*f+5+"vj tqwi j \*f+7+0"

\*I+ \*+ Dgi kppkpi "lwn"3."4242."cp{ "go kuukqp"eqvtqn'f gxleg'f gskgf "d{ "uwdr gev'vq"vj ku't wrq"  
 uj cml'p'q'p'gt "dg"gz go r vltqo "vj g't gsk go gpv'qh'c'y tkwgp'r gto k'r wtuwcpv'vq"Twrg"  
 43; "o"Cs wkr o gpv'P qv'T gsk kpi "c"Y tkwgp'Rgto k'Rwtuwcpv'vq"t gi wrcvqp"KKO"  
 "

\*g+ J qwugnggr kpi "T gsk go gpw"

\*g+ \*3+ Cp"qy pgt"qt"qr gtcvtq"qh"e"pqp/ej tqo kwo "o gcn'o gmkpi "qr gtcvqp"uj cml'eqpf wcv'vj g"  
 hmmy kpi "j qwugnggr kpi "t gsk go gpw"

\*4C+ F wuv'htqo kpi "o gcn'eqpckpki "o cvgtkcnlpenf kpi ."dw'pqv'ko kgf "vq."f tquu."  
 cuj ."qt"hggt "o cvgtkcn"t cuj ."qt"fgdt ku."uj cml'dg"uvtqgf "lp"cp"gpemugf "uvtci g"  
 ctgc." c" dwkf kpi " gpemugt." qt" uvtqgf "lp"e"o eppgt"y j kej "o gcvu"vj g"  
 tgs wkt go gpw"qh"retei ter j "g+3+0'eqxgtgf "eqpckpgtu"vq"r t gxp'v'cp{ "o gcn"  
 f wuv'go kuukpu'Eqpckpgtu"uj cml'tgo ckp"eqxgtgf "cv'cm'ko gu."gzegr v'y j gp"  
 o cvgtkcn"ku"cevkxgn" f gr qukgf "qt"cevkxgn"t go qxgf "lpvq"e"tgegr weng."cpf "  
 uj cml'dg"htgg"qh'hs wkf "cpf "f wuv'gcmu="

\*5D+ O cvgtkcn'eqmgev" d{ "cp"retveweg"o ewgt go kuukqp"eqvtqn'f ugo "f gxleg"  
 uj cml'dg" f kfej cti gf "lpvq"emugf "eqpckpgtu"qt"cp"gpemugf "u'f ugo "vj cv'ku"  
 eqo r rnvgn{ "ugrnf "vq"r t gxp'v'cp{ "o gcn'f wuv'go kuukpu"

\*E+ Cml'hqat"ctgcu'y kj lp"42'hggv'qh'y j gte"hmtpceg"cpf "ecvki "qr gtcvqp"qewt"  
 cpf "y cuvg"i gpgtcvgf "htqo "j qwugnggr kpi "cevkxkku"ku"uvtqgf ."f kur qugf "qh"

- tgeqxtgf."qt"tge{engf"uj cni'dg"engcpgf"cv'ncuv'y ggmf" wukpi "cp"cr r tqxgf" engcpkpi "o gvj qf =cpf ""
- \*F+" Cni' ctgcu" y j gtg" hmpceg." ecukpi ." o gvcn' ewwki ." cpf " o gvcn' i tkpf kpi "  
qr gtcvkpu'geewt'uj cni'pqv'dg"engcpgf" wukpi <"
- \*k+" fFt{"uy ggr kpi ." wprguu" f t {"uy ggr kpi "ku"cmqy gf"kp"cp"cr r tqxgf" "  
J qwugnggr kpi "Ego r nkpeg"Rrp="qt""
- \*kk+" eEgo r tguugf "ck"engcpkpi 0"
- \*6+" Uwhegu"vj cv'ctg"uwlgevfg"vq"xgi lewrt"qt" hqv'tehle"uj cni'dg"xcewwo gf."y gv' "  
o qrr gf." qt" qvj gty lug" o clpvkpgf" kp" ceeqtf cpeg" y kj "c" F kntlev" cr r tqxgf" "  
j qwugnggr kpi "r rp."y j lej "uj cni'dg"uwo kwgf "eu'r ctv'qh"vj g"ego r nkpeg"r rp0"
- \*g+" \*4+" Ghgevkg"Lnf "3."4242."cp"qy pgt"qt"qr gtcvqt"qh"cpqp/ ej tqo kwo "o gvcn'o gnkpi "  
qr gtcvkp"uj cni'eqpf wev'vj g'hmqy kpi "j qwugnggr kpi "tgs wkt go gpw<"
- \*C+" Eqmgevqp" xgpw." qr gpkpi u." cpf " f wevki "qh" gcej " pqp/ ej tqo kwo " o gvcn' "  
o gnkpi "qr gtcvkp"go kuukp"eqpvtqnf gxleg"uj cni'dg"kpur gevfg" s wctvtnf "cpf " "  
kh'pgeguuct {"engcpgf" wukpi "cp"cr r tqxgf" engcpkpi "o gvj qf ="
- \*D+" Cp{ 'luceniv cv'ku'c'lwteq'qh'go kuukpu'cuqekcvfg" y kj "pqp/ ej tqo kwo "o gvcn' "  
o gnkpi "qr gtcvkpu"uj cni'pqv'wrtk g'c"y gcvj gt"ecr "vj cv'tgutlew"vj g'hmqy "qh" "  
gzj cwv'ck=
- \*E+" Wprguu'mqecvfg" y kj kp"c"dwkf kpi "gperquwtg"qt"cp" gperqugf "uqtci g'ctgc."cp{ "  
f wuv/hqto kpi " urci " cpf " cp{ " y cuvg" i gpgtcvfg" hqo " vj g" j qwugnggr kpi " "  
tgs wkt go gpw" qh" vj ku" uwdf kxkukp" cpf " vj g" eqputwevqp" qt" o clpvpcpeg" "  
cevxxkkgu"qh'uwdf kxkukp" \*h."uj cni'dg"tcur qtvgf" y kj kp'emugf "eqpxg{qt" "  
u{uvgu u" qt" kp" eqxgtgf" eqpvckpgtu" vq" r tggxgpv" cp{ " hwi kkg" o gvcn' f wuv' "  
go kuukpu0Vj ku'wdr tci tcr j "uj cni'pqv'dg"cr r ncedrg"vq"vj g'tcur qt'v'qh'j ki j " "  
vgo r gtcwtg'o cvgtkni"gzeggf kpi "722"f gi tggulHcj tgpj gkv=
- \*F+" Wprguu"vj g'o gvcn'ewwki "qt"o gvcn'i tkpf kpi "cevxxk"ku"eqpf wevfg" vpf gt"c" "  
eqpvkwqwu"hmgy "qh'o gvcn'tgo qxcn'hwkf ."vj g'hmqy kpi "mqevkpu"uj cni'dg" "  
engcpgf."cv'c'o kpo wo ."y ggmf."wukpi "cp"cr r tqxgf" engcpkpi "o gvj qf <"
- \*k+" Hqqtu"y kj kp"42"hgqv'qh'c"y qtniucvqp"qt"y qtniucvqpu"fgf kecvfg"vq" "  
o gvcn'i tkpf kpi "qt"o gvcn'ewwki "qr gtcvkpu=
- \*kk+" Hqqtu"y kj kp"42"hgqv'qh'cp{ " gptcpeg lzk' r qkp'v'qh'cp" gperqugf " "  
uqtci g'ctgc"qt"dwkf kpi "gperquwtg"vj cv'j qwugu"vj g'i tkpf kpi "qt'ewwki " "  
qr gtcvkpu="cpf "
- \*kkk+" Hqqtu"y kj kp"32"hgqv'qh'vj g'tcpuhgt"r qkp'u"qh'cp"go kuukp"eqpvtqnf "  
f gxleg'wugf "hqt"o gvcn'i tkpf kpi "qt"o gvcn'ewwki "qr gtcvkpu=

\*G+ " F wuv/hqto kpi " o gvcn/eqpvckpkpi " o cvgtkcn' kpenwf kpi " urci " qt" o cvgtkcn'  
i gpgtcvgf "htqo "j qwugnggr kpi . "eqputwekqp. "qt"o ckpvpcpeg"tgs wkt go gpvu  
qh'vj ku'uwdf kxkukp. "uj cm'dg"uqgtgf "kp"cp"gpemugf "uqgtci g"ctgc. "c"dwkf kpi "  
gpemuwg. "qt"eqxgtgf "eqpvckpgtu0'Eqpvcckpgtu'uj cm'tgo ckp"eqxgtgf. "gzege v'  
y j gp" o cvgtkcn' ku' cevkgxgf " f gr qukgf " kp'vq" qt" cevkgxgf " tgo qxgf " htqo " c"  
tgege wceg. "cpf "uj cm'dg"htgg'qh'hs wkf "cpf "f wuv'rcmu="cpf "

\*H+ " Chgt"cp{ "eqputwekqp"qt"o ckpvpcpeg"cevkgxgf "qt"gxgpv. "kpenwf kpi . "dw'pqv'  
rko kgf "v. "ceekf gpvu. "r tgeguu'w'ugv. "qt"gs wkr o gpv'o crhwpekqp"vj cv'tguwu'  
kp" vj g" f gr qukkqp"qh' hwi kxg" o gvcn' f wuv' go kuukpu. " vj g" ctgc" y j gtg" vj g"  
eqputwekqp"qt"o ckpvpcpeg"cevkgxgf "qeewtfgf "uj cm'dg"ergcpgf "y kj kp"cp"  
j qwt'wukpi "cp"cr r tqxgf "ergcpkpi "o gvj qf 0'

\*g+ " \*5+ " Hqt"vj g"j qwugnggr kpi "tgs wkt go gpvu"ur gekhgf "kp"uwrctci tcr j "g+\*3+\*E+."cp"qy pgt"  
qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"o c{ "wug"cp"cr r tqxgf "  
cngtpcvkg"j qwugnggr kpi "o gcuwtg"kp"rk'w'qh'cp"cr r tqxgf "ergcpkpi "o gvj qf 0' K'  
tgs wguv' "cp"cngtpcvkg"j qwugnggr kpi "o gcuwtg. "vj g"qy pgt"qt"qr gtcvqt"uj cm'uwdo k'  
c"J qwugnggr kpi "Eqo r rkpeg"Rrp" vq" vj g" Gzgewkxg" Qhleg" hqt" cr r tqxcn0' Vj g"  
J qwugnggr kpi "Eqo r rkpeg"Rrp"uj cm'dg"uwlgev'q"r rcp"hggu"ur gekhgf "kp"Twg"528"  
ó'Rrp'Hggu0'

\*C+ " Vj g" J qwugnggr kpi " Eqo r rkpeg" Rrp" uj cm' kpenwf g" kphqto cvkqp" vq"  
uwdupcvkvg"vj cv'vj g"cngtpcvkg"j qwugnggr kpi "o gcuwtg"o ggw'vj g"uco g"ckt"  
s wcnkf "qdlgevkg"cpf "ghgevkgpguu"qh'vj g"j qwugnggr kpi "tgs wkt go gpv'k'ku"  
tgr rckpi 0'

\*D+ " Vj g"Gzgewkxg"Qhleg"o c{ "tgs wguv'cf f kkpncn'kphqto cvkqp"htqo "vj g"qy pgt"  
qt"qr gtcvqt0'

\*E+ " Vj g"qy pgt"qt"qr gtcvqt"uj cm'uwdo k'cm'tgs wguv'f kphqto cvkqp"y kj kp'36'f c{u"  
qh'vj g'tgs wguv'ht"cf f kkpncn'kphqto cvkqp0'

\*F+ " Vj g" Gzgewkxg" Qhleg" y kn' t'xkgy " vj g" tgs wguv' hqt" c" J qwugnggr kpi "  
Eqo r rkpeg"Rrp"cpf "y kn'cr r tqxg"vj g"J qwugnggr kpi "Eqo r rkpeg"Rrp"kh'  
vj g"cngtpcvkg"j qwugnggr kpi "o gcuwtg"ecp"ergcp"qt"tgo qxg"ceewo wcvgf "  
f wuv/hqto kpi " o gvcn/eqpvckpkpi " o cvgtkcn' hqt" vj g" ctgcu" ur gekhgf " kp"  
uwrctci tcr j "g+\*3+\*E+ "cv'c"htgs wpe{ "vj cv'r tqxkf gu"vj g"uco g"qt"dgwgt"  
ghlegpe{ " vj cp" ko r rgo gpvki " cp" cr r tqxgf " ergcpkpi " o gvj qf " cpf " vj g"  
cngtpcvkg"j qwugnggr kpi "o gcuwtg"o k'ko k'gu"i gpgtcvkqp"qh'f wuv/hqto kpi "  
o gvcn/eqpvckpkpi "o cvgtkcn'0'Vj g"Gzgewkxg"Qhleg"y kn'pqvkh{ "vj g"qy pgt"qt"  
qr gtcvqt"kp'y tkkpi "qh'cr r tqxcn'qt" f'kcr r tqxcn0'

- \*K'"" K'ij g"J qwugnggr kpi "Ego r nkpeg"Rrnp"ku" f kucr r tqxgf . "cp"qy pgt"qt"  
qr gtcvqt"uj cm'tguwdo k'v'j g"J qwugnggr kpi "Ego r nkpeg"Rrnp"y kj kp"  
52" ecngpfct" f c{u" chgt" pqv~~h~~ecvqp" qh" f kucr r tqxcn" qh" y'j g"  
J qwugnggr kpi "Ego r nkpeg"Rrnp'Vj g"tguwdo kwgf"J qwugnggr kpi "  
Ego r nkpeg" Rrnp" uj cm' kpenf g" cp{" kphqto cvqp" vq" cfftgau"  
f ghekgpekgu" kf gpv~~h~~gf" kp" y'j g" f kucr r tqxcn" ngwt' Cp" qy pgt" qt"  
qr gtcvqt"o c{" cr r gcn' f kucr r tqxgf "J qwugnggr kpi "Ego r nkpeg"Rrnp"  
vq'y'j g"J gctkpi "Dqctf "r wtuwcpv'vq"Twg"438'6"Cr r gcn'cpf "Twg"443"  
ó'Rrnpu'
- \*G'"" Cr r tqxgf" cngtpcvkxg" j qwugnggr kpi " o gcuwtgu" o c{" pqv" dg" wugf"  
tgtqcevkxgn'()
- \*h'"" Ego r nkpeg"Uej gf wgdwrf kpi "Gperquwtg" Tgs vkt go gpw"
- \*3+"" Em'heekkgu"uwlgev'vq"y'j k' twg. "kpenf kpi "y'j qug"uggnkpi "cp"gz go r vqp"r wtuwcpv'vq"  
r etei ter j "k'3+""epf lqt" k'4+""uj em'uwdo k'e"ego r nkpeg"r np"pq"r vgt"y'j ep"lepwt{"  
8."3; ; 7."vq"uj qy "j qy "y'j g{"y'j k'ego r n{"y'j k' em'v'j g"err ncedng"r tqxkukpu"qh"y'j g"twg"  
qt"vq" f go qpwtvg"r tqqh"qh"gz go r vqp'()
- Vj g"ego r nkpeg"r np"uj em"ev'e"o k'lo wo . "eqpvk'p"y'j g"hmmy kpi "kphqto cvqp"<
- \*C+"" j qy "y'j g"gz go r vqp" k'3+""epf "k'4+""o c{"err n{"=
- \*D+"" J qy "y'j g"eqpvqn'o geuwtg"qt"r tqxugf "cngtpcvg"eqpvqn'o geuwtg."j+."y'j km'  
o ggv'y'j g"tgs vkt go gpw"qh" f "3+""v'j tqwi j "f+6+=""
- \*E+"" J qy "y'j g"o ekvpepeg"r tqi teo "o geuwtgu"ht"y'j g"eqpvqn'f gxleg"y'j km'gpwtg"  
eqpvk'p'wv"ego r nkpeg="epf."
- \*F+"" J qy "y'j g"q'wugnggr kpi "o geuwtgu"y'j km'o k'lo k' g"lwi k'k'g"go k'ukpu'()
- Vj qug"uggnkpi "gz go r vqp"r wtuwcpv'vq" k'5+""v'j tqwi j "k'8+""o c{"uwdo k'lp"y'j tklpi "  
e"ngwt. "k'pugf "qh'e"ego r nkpeg"r np."vq"y'j g" f k'utlev"r tqxkf kpi "r tqqh"qh"gz go r vqp'()
- \*4+"" Heekkgu"tgs vkt gf "vq"kpucm'qt"o qf k' ("eqpvqn'gs vkr o gpv' wtuwcpv'vq"y'j k' twg"uj em'  
uwdo k'r gto k'vq"eqpvtn'v'err ncedvqp"u" d{"pq"r vgt"y'j ep"lwn"8."32; ; 7."epf "uj em'  
ego r n{"y'j k' "y'j g"twg"pq"r vgt"y'j ep"lwn"8."3; ; 80'
- \*h'"" \*3+"" P q"r vgt"y'j cp"lwn"3."4242."cp"qy pgt"qt"qr gtcvqt"qh'e"pqp/ej tqo kwo "o gvcn'o gnkpi "  
qr gtcvqp"uj cm' eqpf vev' cm' o gvcn' o gnkpi . " o gvcn' i tklf kpi . " cpf " o gvcn' ewwkpi "  
qr gtcvqp"kp" c" dwrf kpi "gperquwtg'K'ij g" dwrf kpi "gperquwtg"eqpvk'p" gperquwtg"  
qr gpkpi u"vq"y'j g"gz vgtkqt"y'j cv'ctg"qp"qr r qukg"gpf u"qh"y'j g" dwrf kpi "gperquwtg"y'j g"tg"  
ckt'ecp'r cuu"y'j tqwi j "cp{"ur ceg"y'j g"tg"pqp/ej tqo kwo "o gvcn'o gnkpi . "o gvcn' i tklf kpi . "  
qt"o gvcn'ewwkpi "qr gtcvqp"qeevt. "cp"qy pgt"qt"qr gtcvqt"qh'e"pqp/ej tqo kwo "o gvcn'  
o gnkpi "qr gtcvqp"uj cm'emug"cm'gperquwtg"qr gpkpi u"qp"qpg"gpf "ht" gcej "r ckt"qh"

- qr r qukpi "gp f u"qh"vj g"dwkf kpi "gperquwtg."gze gr v'f wtkpi "vj g"r cuuci g"qh"xgi kergu."  
gs wkr o gpv."qt"r gqr ng."d f "wukpi "qpg"qt"o qtg"qh"vj g'hqmy kpi <"
- " \*C+" F qqt"vj cv'cwqo c'kcmf "emugu="
- " \*D+" Qxgt r r kpi "hqqt/vq/egk kpi "r r uve"ut kr "ewt ckpu="
- " \*E+" Xgukdwrg="
- \*F+" Cktqem'u f uvg o ="
- \*G+" Dcttktg."uwej "cu"c"rti g"r kgeg"qh"gs wkr o gpv"vj cv'tgutkew"ck"htqo "o qxkpi "  
vj tqwi j "vj g"dwkf kpi "gperquwtg="qt"
- \*H+" Cr r tqxgf "cngt pckxg"o gvj qf "vq"o kpk o k g"vj g"tgrcug"qh" f wuv/hqto kpi "  
o gcn/eqpckpkpi "hwi kxg"go kuukpu"htqo "vj g"dwkf kpi "gperquwtg"vj cv'cp"  
qy pgt"qt"qr gtcvt"qh"c"hekrk"j cu'f go qputcvgf "vq"vj g"Gz gewkxg"Qhleg t"ku"  
cp"gs wxcmpv"qt"o qtg"ghgevkxg"o gvj qf \*u"vq"r tggp v'f wuv/hqto kpi "o gcn/  
eqpckpkpi "hwi kxg"go kuukpu"guer kpi "c"dwkf kpi "gperquwtgO'
- \*h+" \*4+" Cp"qy pgt"qt"qr gtcvt"qh"c"pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvkp"o c f "uwo k/c"e"  
Dwrf kpi "Gperquwtg"Eqo r r kpeg"Rrcp"uj em'dg"uwo kwef"vq"vj g"Gz gewkxg"Qhleg t"  
hqt'tgxky "cpf"cr r tqxcn'p q"rvg t"vj cp"190 days after Date of Adoption "hqt'hekrkku"  
gz kpkpi "dghqtg" |Date of Adoption ."cpf" r tkqt"vq" kpkkn' uctvwr "hqt"cm' qvj gt"  
qr gtcvkpu"kh"cp f "qh"vj g"tgs wkt go gpw"ur gekhgf "kp"r ctc i tcr j "h\*3+" ecppqv"dg"  
eqo r r kpf "y kj "f wg"vq"eqphiev kpi "tgs wkt go gpw'ugv/hqt vj "d f "Wpkgf "Ucvg"F gr ctvo gpv"  
qh" Ncdqt" Qeew cvkqpcn" Uchgv "cpf" J genj " Cfo kpkntevkp" \*QUI C+." Ecrkhtpk"  
F kxkukp"qh"Qeew cvkqpcn"Uchgv "cpf" J genj " \*EcnQUI C+."qt"qvj gt"o wplek cn'eqf gu"  
qt"ci gpe f "tgs wkt go gpw" f kgevn "tgrcvf "vq"y qtngt"uchgv O'Vj g"Dwrf kpi "Gperquwtg"  
Eqo r r kpeg"Rrcp"uj cm'dg"uwl gev"vq"r r p'hgu"ur gekhgf "kp"Twrg"528'o"Rrcp"Hgu"cpf "  
kpenf g<"
- \*C+" Cp"gzr r pcvkp"cu"vq"y j j { "cp f "qh"vj g'r tqxkukpu"ur gekhgf "kp"r ctc i tcr j "h\*3+"  
ctg"kp"eqphiev"y kj "vj g"tgs wkt go gpw'ugv/hqt vj "d f "Wpkgf "Ucvg"F gr ctvo gpv"  
qh" Nedqt" Qeew cvkqpcn" Uchgv "cpf" J genj " Cfo kpkntevkp" \*QUI C+." Ecrkhtpk"  
Ecrkhtpk" F kxkukp"qh"Qeew cvkqpcn"Uchgv "cpf" J genj " \*EcnQUI C+."qt"  
qvj gt"o wplek cn'eqf gu"qt"ci gpe f "tgs wkt go gpw" f kgevn "tgrcvf "vq"y qtngt"  
uchgv ="cpf "
- \*D+" Cngt pckxg"eqo r r kpeg"o gcuvtg\*u"vj cv'y km'dg"ko r r go gpvgf "vq"o kpk o k g"  
vj g"tgrcug"qh" f wuv/hqto kpi "o gcn/eqpckpkpi " hwi kxg" go kuukpu"vq"vj g"  
qwu k f g"qh"vj g"dwkf kpi "gperquwtgO"
- \*h+" \*5+" Vj g"Gz gewkxg"Qhleg t"uj cm'p qwh' "cp"qy pgt"qt"qr gtcvt"qh"c"pqp/ej tqo kwo "o gcn"  
o gnkpi "qr gtcvkp"kp"y tkkpi "y j gvj gt"vj g"Dwrf kpi "Gperquwtg"Eqo r r kpeg"Rrcp"ku"  
cr r tqxgf "qt" f kuc r r tqxgf O'

\*C+ "Kl'vj g'Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp"ku'f kucr r tqxgf."cp"qy pgt"qt"  
qr gtcvqt"uj cml'tguwdo k'vj g'Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp"y kj kp"52"  
ecmpf ct"fc{u'chgt"pqvhlccvqp"qh'f kucr r tqxcn'qh'vj g'Dwkrf kpi "Gperquwtg"  
Ego r nkpeg'Rrcp0'Vj g"tguwdo kwgf "Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp"  
uj cml'kpenwf g"cp{"kphqto cvkqp"vq"cf f tguu" f ghlekpekgu"kf gpvkhgf "kp"vj g"  
f kucr r tqxcn'rgwt0'kp"vj g"cmgtpcvkg."cp"qy pgt"qt"qr gtcvqt"o c{"cr r gcn'vj g"  
Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp" f kucr r tqxgf "d{"vj g"Gzgewkxg"Qhleg"  
vq"vj g"J gctkpi "Dqctf"r wtuwcpv'vq"Twg"438"o'Cr r gcn'cpf "Twg"443"o'Rrcpu0'  
 \*D+ "Vj g"Gzgewkxg"Qhleg"y kni'gkj gt"cr r tqxg"vj g"tgxkugf"cpf"tguwdo kwgf"  
Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp"qt"o qf kh{"vj g"Dwkrf kpi "Gperquwtg"  
Ego r nkpeg'Rrcp"cpf"cr r tqxg"ku'cu'o qf khgf 0' Cp"qy pgt"qt"qr gtcvqt"o c{"  
cr r gcn'vj g'Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp"o qf khgf "d{"vj g"Gzgewkxg"  
Qhleg"vq"vj g"J gctkpi "Dqctf"r wtuwcpv'vq"Twg"438"o'Cr r gcn'cpf "Twg"443"  
o'Rrcpu0'

\*h+ "\*6+ "Cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvqp"uj cml'o r ngo gpv"  
vj g'Dwkrf kpi "Gperquwtg'Ego r nkpeg'Rrcp."cu'cr r tqxgf "d{"vj g"Gzgewkxg"Qhleg."pq"  
rvgt"vj cp"; 2"fc{u'chgt"tgegkxkpi "pqvhlccvqp"qh'cr r tqxcn'ht"hcckkkgu"gzkukpi "  
dghgtg"]Date of Adoption ."cpf"r tkqt"vq"kpklcn'uctvwr "ht"cm'qj gt"hcckkkgu0'  
Ego r nkpeg"y kj "vj g"cr r tqxgf "cmgtpcvkg"ego r nkpeg"o gcuwtgu"uj cml'eqpukxwg"  
ego r nkpeg"y kj "vj g"cr r ncedng"r tqxkukpu"qh'r ctcj tcr j "h+\*3+0'

"

\*i+ "Tgeqtf mger kpi "

\*3+ "Heckkkgu"uwlge'vq"uwlfxkukqp" f "uj em'o clpvc'p"q"u'g"ht"e'r gtlkf "qh'vy q" f getu."  
epf "o em'g'exekredng"vq"vj g"F kntlev"v'qp'tgs wguv"e'tgeqtf "qh'vj g'tguwu"qh'ep{"uqwtg"  
v'gukpi "tgs vltgf "d{"vj g"F kntlev"vq" f go qpwtvg"vj ev'vj g"r etlevwv"o ewgt"eqpwtqn'  
f exleg"u"etg"qr gte'vpi "cu'tgs vltgf "d{"r etei ter j "f +\*4+0'

\*4+ "Heckkkgu"uggnpi "ep"gzgo r vqp"wpf gt"r etei ter j u"ki\*3+epf lqt"ki\*4+qt"ki\*5+"uj em'  
o clpvc'p"ht"vy q" f getu"tgeqtf u"qh'vj g"eo qwpv'epf "v'r g"qh'o gcn'r tqegugf "kp"vj qug"  
hwtpeegu"kpemf kpi "tguwu"qh'epen'ugu"cu'tgs vltgf "vq"uwr r qtv"gzgo r vqpu"wpf gt"  
r etei ter j "ki\*4+0'Vj g'ug'tgeqtf u"uj em'g'o ef g'exekredng"vq"vj g"F kntlev"v'qp'tgs wgu0'

"

"

\*j+ "Cmgtpevkg"Go kulkpu"Eqpwtqn'

Vj g"F kntlev'o c{"cr r tqxg"ep"cmgtpevkg"go kulkp"eqpwtqn'o geuwtg"r tqr qugf "d{"e'heekkv"kh"  
vj g"heekkv{"qr gte'vqt"eep" f go qpwtvg"vq"vj g"uevuhcvqp"qh'vj g"Gzgewkxg"Qhleg"qt"j ku"  
f guki pgg"vj ev'vj g"cmgtpevkg"eqpwtqn'o geuwtg"ku"ghqtegedng."eej lxxgu"gs wxcnpgv"qt"i tge'vgt"  
tgf vevkpu"kp"go kulkpu"epf "tkm"epf "eej lxxgu"vj g"tgf vevkqp"y kj kp"vj g"ueo g"v'o g"r gtlkf"



eu'tgs wkt gf "d { "vj ku'twgo Vj g'Gz gewkxg'Qhhegt "qt" j lu'f guki pgg'uj cmi'gxqmg'vj lu'err tqxenlk'vj g' hceklv' "qr gtcvqt" hcku' vq' cf gs wevgn' "ko r ngo gpv' vj g' engtpevkxg' err tqeej "qt" vj g' engtpevkxg' err tqeej "f qgu'pqv'tgf weg" go kuukpu'eu'tgs wkt gf 0"

"

\*1+ Uqweg'Vgukpi 'Tgs wkt go gpw' "

\*3+ P q"rcvgt" vj cp" Qexdgt "3."4242" hqt" vj g' lpklcn' uqweg" vguv' tgs wkt gf "r wtuwcpv' vq" r ctei tcr j " \*1 +\*4+. "cpf "pq"rcvgt" vj cp" vj tgg" o qpvi u'r tkqt" vq" vj g' f gcf rkg" hqt" vj g' r gkqf le" uqweg" vguv' tgs wkt gf "r wtuwcpv' vq" r ctei tcr j " \*1 +\*5+. "cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gnkpi "qr gtcvqp" uj cmi' uwo k' c" uqweg" vguv' r tqveqn' vq" vj g' Gz gewkxg' Qhhegt "hqt" cr r tqxcn' Vj g' uqweg" vguv' r tqveqn' uj cmi' penw' g' vj g' hqmy kpi <

\*C+ Vj g' uqweg" vguv' etkgt k. "cmi' cuwo r vkpu. "cpf "tgs wkt gf "f cxc= "

\*D+ Ecrewv' "vcti gv' ctugple. "ecf o kwo . "cpf "plengn' eqpepvtcvkpu" qt" o cuu' go kuukp' ucpf ctf u= "

\*E+ Rrcppgf "uco r rkpi "r ctco gvtu= "

\*F+ Gxcwcvkq" qh' vj g' ecr wtg' ghhekppe { "cpf "xgmekv' "qh' vj g' go kuukp' eqmgevq" u' ugo = "cpf "

\*G+ Kphqto cvkq" qp" gs wkr o gpv. " mji ku' eu. " r gtuappgn" cpf " qvi gt" tguqwegu" pgeguuct { "v" eqpf wev' cp" ghhekp' v' cpf "eqqt f kpcv' uqweg" vguv' 0"

\*4+ P q"rcvgt" vj cp" Lcpwct { "3."4243. "cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gnkpi "qr gtcvqp" uj cmi' eqpf wev' cp" lpklcn' uqweg" vguv' qh' cmi' pqp/ ej tqo kwo "o gvcn' o gnkpi "hwpcegu" vq" f gvgto kpg" eqo r rkpeg" y kj "vj g' go kuukp' rko ku' hqt" ctugple. "ecf o kwo . "cpf "plengn' r wtuwcpv' vq" r ctei tcr j u' \*f +\*5+ "cpf "f +\*6+ 0"

\*5+ Cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gnkpi "qr gtcvqp" uj cmi' eqpf wev' c" r gkqf le" uqweg" vguv' qh' cmi' pqp/ ej tqo kwo "o gvcn' o gnkpi "hwpcegu" qpeg" gxgt { "82" o qpvi u' chgt "vj g' lpklcn' uqweg" vguv' vq" f go qpvtcv' eqo r rkpeg" y kj "vj g' go kuukpu" rko ku' hqt" ctugple. "ecf o kwo . "cpf "plengn' r wtuwcpv' vq" r ctei tcr j u' \*f +\*5+ "cpf "f +\*6+ 0"

\*6+ Cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gnkpi "qr gtcvqp" o c { "uqweg" vguv' cp" wpeqpvtqmgf "hwpcegu" cpf "cr r n' "vj g' go kuukp' tcv' guvdrkuj gf "d { "vj g' uqweg" vguv' tguwmu" r tqr qt vkpcvgn' " vq" cmi' wpeqpvtqmgf " hwpvqpcmi' " uko kct" hwpcegu" cv' vj g' hceklv' 0"

\*7+ Cp" qy pgt "qt" qr gtcvqt "y kj "c' pgy "qt" o qf kkgf "pqp/ ej tqo kwo "o gvcn' o gnkpi "hwpcegu" qt" go kuukp' eqpvtqn' f gxleg' hqt" c" pqp/ ej tqo kwo "o gvcn' o gnkpi "hwpcegu" kpucmgf "qp" qt" chgt" *Date of Adoption* . " uj cmi' uwo k' c" uqweg" vguv' r tqveqn' r wtuwcpv' vq" uwdrc tci tcr j u' \*1 +\*3+ \*C+ " vj tqwi j " \*1 +\*3+ \*G+ " y kj kp" ; 2" f c { u' chgt" ku' Rgto k' vq" Eqpvt wev' ku' kuwgf "d { "vj g' Gz gewkxg' Qhhegt "cpf "eqpf wev' vj g' lpklcn' uqweg" vguv' hqt"

- vj g"go kuukqp"eqpvtqnlf gxleg"pq"rcvgt"vj cp"342"f c{u"chvgt"vj g"cr r tqxcn"qh"vj g"uqwtæg"vuv"r tqvqeqr0"
- \*1+" \*8+" Cp"qy pgt"qt"qr gtcvqt"qh"cpqp/ ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"uj cm'pqvkh{ "vj g" Gzgewkxg"Qhleg"t. 'kp'y tkkpi . 'qh'vj g'kpvgpv'vq"eqpf wev'uqwtæg'vuvkpi . 'qpg'y ggm'r tkqt" vq"eqpf wev'kpi "cp{ "uqwtæg"vuv'tgs wktgf "d{ "r ctc i tcr j u" \*1 +\*4+" vj tqwi j " \*1 +\*7+" cpf " \*k\*5+0C"ej cpi g"kp"vj g"uqwtæg"vuv'f cvg"uj cm'dg'tgr qtvgf "vq"3/: 22/EW/ UO QI "cv" rgcuv'v gpv' "hwt"j qwtu'r tkqt"vq"ecpegmkpi "qt'tguej gf wvki 0""
- \*1+" \*9+" Cp"qy pgt"qt"qr gtcvqt"qh"cpqp/ ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"uj cm'pqvkh{ "vj g" Gzgewkxg"Qhleg"t'y kj kp"hxg"ecrpf ct"f c{u"qh'y j gp"vj g"hekvk' "npgy "qt"uj qwf" j cxg"hpqy p"qh'cp{ "uqwtæg"vuv'tguv'u+ "vj cv'gzeggf gf "cp{ "qh'vj g"go kuukqp"ucpf ctf u" ur gekhkf "kp'uwdf kxkukp" \*f +0P qvhecvkpu"uj cm'dg'o cf g'vq"3/: 22/EW/ UO QI "cpf" hmqy gf "vr "kp'y tkkpi "vq"vj g"Gzgewkxg"Qhleg"t'y kj "vj g'tguvnu"qh'vj g"uqwtæg"vuvu" y kj kp"32"ecrpf ct"f c{u"qh'pqvhecvk0"
- \*1+" \* "+" Cp"qy pgt"qt"qr gtcvqt"uj cm'eqpf wev'uqwtæg"vuvu"y j krg"qr gtcvki "cv"o kpo wo "qh" : 2"r gtegpv'qh'vj g"gs wkr o gpvu'r gto kwgf "ej cti kpi "vj tqwi j r w'd{ "y gki j v'cpf "kp" ceeqtf cpeg" y kj " Ecrlhqtple" Ck" Tguqwtæg" Dqctf " \*ECTD+" O gvj qf " 658" 6" *Determination of Multiple Metal Emissions from Stationary Sources0"*
- \*C+" Vj g"vqcn'uco r r g"xqno g"ht" gcej "uco r r g"o wuv'dg"uwhekepv'vq"cej kxg" cpcn' vccn'tguvnu"cv' vj g"o gvj qf "tgr qt vki "rko k0' Cnrgtpcvkxgnf . "eqmgev" c" o kpo wo "uco r r g"xqno g"qh"372"f t{ "ucpf ctf "ewdle"hggv'ht" gcej "uco r r g" . " Ecuuwo kpi "vj g'hmqy kpi "o gvj qf "tgr qt vki "rko ku"<
- \*k+" Ctugple"Ö204"o letqi tco u'r gt"uco r r g="
- \*kk+" Ecfo kwo "Ö204"o letqi tco u'r gt"uco r r g="cpf "
- \*kk+" Plengn"Ö204"o letqi tco u'r gt"uco r r g0"
- \*D+" Hqt"vj g"r wtr qugu"qh'vj ku"twrg. "kh"cv'rgcuv'qpg"vuv'twp"ku'dgmry "vj g"o gvj qf " tgr qt vki "rko kv"vj g'hmqy kpi "s wcpvhecvk0"r tqegf wgu'uj cm'dg"wgf "<
- \*k+" Kp'ukwcvkpu'kp'y j lej "cm'vuv'twpu'cpf "cpcn' ugu'lpf kecvg'hxgnu'dgmry " vj g"o gvj qf "tgr qt vki "rko kv"vj g"eqo r qwpf "ecp"dg"kf gpvkhkf "cu"öpqv" f gvgev'f ö"cpf "ku'kpenwukp'y km'pqv'dg'tgs wktgf 0"
- \*kk+" Kp"ecugu"kp"y j lej "qpg"qt"o qtg"qh'vj g"vuv'twpu'cpf "cpcn' ugu'uj qy " o gcuwgf "xcnwg"cdqxg" vj g"o gvj qf "tgr qt vki "rko kv"vj g"twpu"qt" cpcn'uku"vj cv'y gtg'dgmry "vj g"o gvj qf "tgr qt vki "rko k'uj cm'dg"cuuki p" qpg"j crh"qh'vj g"o gvj qf "tgr qt vki "rko k'ht"vj cv'twp0"
- \*1+" \* "+" Cp"qy pgt"qt"qr gtcvqt"qh"cpqp/ ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"o c{ "wug" cnrgtpcvkxg" qt" gs wxcrgpv' uqwtæg" vuv" o gvj qf u" cu" f ghkpgf " kp" Wpkgf " Ucvgu" Gpxktqpo gpvcn'Rtqvgevkp"Ci gpe{ " \*WUJGRC+"62"EHI"Rctv'82. "Ugevkp"8204. "kh"

- cr r t q x g f "k p" y t k l p i "d { "v j g" G z g e w k x g" Q h h e g t. "k p" c f f k k a p "v j g" E C T D: "q t" v j g" W U U' G R C. "c u" c r r n e c d n g 0'
- \*1+ " \*32+ " C p" q y p g t "q t" q r g t c v q t "q h" c" p a p / e j t q o k w o "o g v c n' o g n k p i "q r g t c v k a p" u j c m' w u g" c" v g u v' m d q t c v q t { "c r r t q x g f "w p f g t" v j g" U q w j "E q c u v' C S O F "N c d q t c v q t { "C r r t q x c n' R t q i t c o " h q t" v j g" u q w t e g" v g u v' o g v j q f u" e k x g f "k p" v j k u" u w d f k x k u k a p 0' K i" v j g t g" k u" p q" c r r t q x g f " m d q t c v q t { "v j g p" c r r t q x c n' q h' v j g" v g u k p i "r t q e g f w t g u" w u g f "d { "v j g" r d d q t c v q t { "o c { "d g" i t c p w g f "d { "v j g" G z g e w k x g" Q h h e g t" q p" c" e c u g / d { / e c u g" d c u k u" d c u g f "q p" U q w j "E q c u v' C S O F "r t q w e q n i" c p f "r t q e g f w t g u 0'
- \*1+ " \*33+ " Y j g p" o q t g" v j c p" q p g" u q w t e g" v g u v' o g v j q f "q t" u g v' q h' u q w t e g" v g u v' o g v j q f u" c t g" u r g e k h g f " h q t" c p f { "v g u k p i . "v j g" c r r n e c v k a p" q h' v j g u g" u q w t e g" v g u v' o g v j q f u" v j g" c" u r g e k h e" u g v' q h' v g u v' e q p f k k a p u" k u" u w d l g e v' v j g" c r r t q x c n' d { "v j g" G z g e w k x g" Q h h e g t 0' K i" c f f k k a p. "c" x k q r c v k a p" g u v c d r k u j g f "d { "c p { "q p g" q h' v j g" u r g e k h g f "u q w t e g" v g u v' o g v j q f u" q t" u g v' q h' u q w t e g" v g u v' o g v j q f u" u j c m' e q p u k w w g" c" x k q r c v k a p" q h' v j g" t w g 0'
- \*1+ " \*34+ " C p" g z k u k p i "u q w t e g" v g u v' e q p f w e v g f "q p" q t" c h g t "L c p w c t { "3. "4238" h q t" c" p a p / e j t q o k w o " o g v c n' o g n k p i "h w t p c e g" q t" g o k u k a p" e q p t q n i f g x l e g" h q t" c" p a p / e j t q o k w o "o g v c n' o g n k p i " h w t p c e g" g z k u k p i "d e h q t g" | D a t e o f A d o p t i o n "o c { "d g" w u g f "c u" v j g" k p k k c n' u q w t e g" v g u v' u r g e k h g f "k p" r c t c i t c r j " \* 1 + \* 4 + " v j g" f g o q p u t c v g" e q o r n k c p e g" y k j "v j g" g o k u k a p" r k o k u" q h' u w d f k x k u k a p" \* f + " u q" i n p i "c u" v j g" u q w t e g" v g u v' o g g u v' v j g" h q m q y k p i "e t k g t k c <""
- \*C+ " V j g" u q w t e g" v g u v' e q p f w e v g f "k u" v j g" o q u v' t g e g p v' u k p e g" L c p w c t { "3. "4238=
- \*D+ " V j g" u q w t e g" v g u v' f g o q p u t c v g f " e q o r n k c p e g" y k j " v j g" g o k u k a p" r k o k v' t g s w k t g o g p w' q h' u w d f k x k u k a p" \* f +=""
- \*E+ " V j g" u q w t e g" v g u v' f g o q p u t c v g f " e q o r n k c p e g" y k j "g o k u k a p" e q m g e v k a p" u f u v g o " t g s w k t g o g p w' q h' r c t c i t c r j " \* 1 + \* 6 +="" c p f "
- \*F+ " V j g" u q w t e g" v g u v' y c u" e q p f w e v g f "w u k p i "c r r n e c d n g" c p f "c r r t q x g f "v g u v' o g v j q f u" c p f "v g u v' r d d q t c v q t k u" u r g e k h g f "k p" r c t c i t c r j u" \* 1 + \* : + " v j t q w i j " \* 1 + \* 32 + 0'
- \*1+ " \*35+ " T g r q t w i" t q o "u q w t e g" v g u k p i "e q p f w e v g f "r w t u w c p v" v j g" u w d f k x k u k a p" \* i + " c p f "r c t c i t c r j . " \* k + \* 5 + " u j c m' d g" u w d o k w g f "v j g" U q w j "E q c u v' C S O F "y k j k p"; 2" f c { u" q h' e q o r n g v k a p" q h' u q w t e g" v g u k p i 0'
- "
- \*k+ " G z g o r v k a p u"
- " \*3+ " U o c m' S w e p v k { "G z g o r v k a p u 0"
- " " C " h e e k n v { "u j c m' d g" g z g o r v h t q o "u w d f k x k u k a p u" \* f + " e p f " \* g + . "h" v j g { "o g g v g k j g t" q p g" q h' v j g" h q m q y k p i "e q p f k k a p u"
- " " \*C+ " V j g" h e e k n v { "o g n u" c" v g e n' q h' p q" o q t g" v j c p" q p g" v a p" r g t { g e t" q h' e m' p a p / h e t t q w a" o g v e n: ""
- " " " q t"

" " \*D+ Hqt'heeklkgu'o gnkpi "uqnn("o gven'huvf'lp"Vedrg"K"lpqvlpenw'kpi "ep{"o gven"  
 qt"emq{"vj cv'o ggw"vj g"r wkw"gzgo r vqp"qh'r etei ter j "k\*4+ "vj g"gnk kdkw"  
 hqt"gzgo r vqp"vj em'dg"fgvto kpgf "wukpi "vj g"hmjy kpi "hqt'o wv<"

" " " " C1C2" "D1D2" "E1E2" "0000">"? "3"

" " " " Yj gtg"C."D."E."000"etg"s wcpvklgu"qh"Vedrg"Ko gven"  
 o gmgf"cpf"C2."D2."E2."000"etg"vj g"gzgo r vqp"ko ku"  
 huvf'lp"Vedrg"K"

" " " \*K+ Hqt"gee j "o gven'huvf'lp"Vedrg"K"f klf g"vj g"s wcpvkl"o gmgf"d{"vj g"  
 ur gekle"gzgo r vqp"ko k'huvf'0"

" " " \*K+ Uwo "vj g"t guwnkpi "hce vqp"u hqt"em"vj g"o gven0"

" " " \*K+ K"vj g"uwo "f qgu"pqv"gzegf "302."vj g"heeklv" "s wen'hku"u hqt"gzgo r vqp"  
 wpf gt"r etei ter j "k\*3+0"

Table I"

Gzgo r vqp"Nlo ku"Hqt"O gven"O gmgf"

"		
"	<u>O gven'</u>	"
"	"	"
"		<u>Gzgo r vqp"Nlo k'</u>
"		*qpu'r gt"("get +"
"	Rwtg"Ngef"	622"
"	J etf"Ngef"	422"
"	Cnwo l pwo "Ueter"	347"
"	Cnwo l pwo "Kpi qv"eqpvclpki "o qtg"vj ep""	347"
"	" 2026"r gtegpv'ecf o kwo "qt""	
"	" 2024"r gtegpv'etugple"d{"y gli j v"	
"	Uqrf gt"	322"
"	\ lpe"Ueter""	52"
"	Eqrr gt"qt"eqrr gt/deugf"emq{u""	52"
"	" *gzegr v'eter + "eqpvclpki "o qtg"vj ep""	
"	" 2026"r gtegpv'ecf o kwo "qt""	
"	" 2024"r gtegpv'etugple"d{"y gli j v"	
"	V{r g'O gven"	47"
"	*4+ O gven"qt"Cmq{"Rwkw" "Gzgo r vqp"	
"	" Heeklkgu"qt"hwpeegu"y j lej "f q"pqv'o gn"ueter "gzegr v'engep"cnwo l pwo "ueter "qt"tgtwp" ueter "cpf"y j lej "o gnv"o gven"qt"emq{"*qj gt"vj ep"o gven'huvf'lp"Vedrg"K"y j lej "lu"	

uj-qy-p"d{"redqtevt{"cpn"uku"v"j-exg"ngu"vj-ep"2026"r-gtegpv"qh'ecf-o-kwo-"epf"ngu"  
 vj-ep"2024"r-gtegpv"qh'etugple"d{"y-gli-j-v'etg"gz-go-r-v"htqo-"uwdf-kkukpu"i-epf"i-g-0'  
 " \*5+" Egep"Cnwo-kpwo-"Ueter"  
 " " Hwtpeegu"uugf"gz-enwukgn{"v"r-tqeguu"engep"enwo-kpwo-"ueter"qt"e"o-kz-wt-g"qh'engep"  
 enwo-kpwo-"ueter"epf"enwo-kpwo-"kpi-qv"v"r-tqf-weg"gz-wukqp-dkngv'etg"gz-go-r-v"htqo-"  
 r-etei-ter-j-u"i-+3+"j-tqwi-j"i-+7+0'  
 " \*6+" Cnwo-kpwo-"Ueter"HWtpcegu"  
 " " Vj-g"eqo-dwukqp"ej-co-dgt"lp"e"tgxgtdgtevt{"hwtpeeg"ku"gz-go-r-v"htqo-"vj-g"  
 tgs-wt-go-gpw"qh'r-etei-ter-j-u"i-+3+"j-tqwi-j"i-+7+"h'vj-g'hwtpeeg"o-ggw"vj-g'hmqy-kpi-"  
 eqpf-kkukpu"  
 " " \*C+" Vj-g'hwtpeeg"ku"uugf"uqng{"v"o-gn"enwo-kpwo-"epf"enwo-kpwo-"deugf"emq{"u-"  
 epf:-"  
 " " \*D+" Vj-g'hwtpeeg"ku"eqputwevgf"y-kj"e"ej-eti-kpi"y-gn'qt"uko-kret"fgxleg"lp'y-j-lej-"  
 hggf"ku'effgf"v"o-qngp"o-gvnlp"e"ugr-etevg"ej-co-dgt0'  
 " \*7+" Cnwo-kpwo-"Rqwt-kpi"gz-go-r-vqp"  
 " " Nefngu"nwpf-gtu"qt"qv-gt"gs-wlr-o-gpv"uugf"v"eqpxg{"enwo-kpwo-"htqo-"e"o-gn-kpi"qt"  
 j-qf-kpi-"hwtpeeg"v"eculpi"gs-wlr-o-gpv"ku"gz-go-r-v"htqo-"vj-g"tgs-wt-go-gpw"qh"  
 r-etei-ter-j-u"i-+3+"j-tqwi-j"i-+7+0"  
 " \*8+" Twg"3642/"Go-kukpu"qh'Ngef"  
 " " Heekkgu"vj-ev"go-k'ngf"epf"y-j-q"j-exg"fgo-qputevgf";;"r-gtegpv"qt"i-tgevt"eqptqn"  
 ghlepe{"hqt"r-etvewvg"o-ewgt"qt";;"r-gtegpv"qt"i-tgevt"ht"ngf"r-wtuepv"v"vj-g"  
 tgs-wt-go-gpv"qh'Twg"3642"r-etei-ter-j-"g+4+"uj-em'dg"gz-go-r-v"htqo-"vj-g"tgs-wt-go-gpv"  
 qh'r-etei-ter-j-"i-+4+"r-tqxf-gf-<  
 " " \*C+" Vj-g"uqwtg"gu"o-gv-qf"uugf"o-ggw"vj-g"tgs-wt-go-gpv"qh'r-etei-ter-j-"i-+6+"ht"  
 r-etvewvg"o-ewgt"qt"UECS-O-F"O-gv-qf"340"ht"ngf="epf:-"  
 " " \*D+" Vj-g"lpgv"vgo-r-gtewt-g"v"vj-g"eqptqn"fgxleg"o-ggw"vj-g"tgs-wt-go-gpv"qh"  
 r-etei-ter-j-"i-+5+0"  
 \*9+" EqpvtqnF-gxlegu"ht"Hi-kkg"Go-kukpu"  
 F-gxlegu"uugf"uqng{"v"eqptqnhi-kkg"go-kukpu"etg"gz-go-r-v"htqo-"vj-g"tgs-wt-go-gpw"  
 qh"i-+3+"j-tqwi-j"i-+7+0'  
 "  
 \*1+" Err-needng"O-cvgtkcnVgukpi"O-gv-qf-uTgs-wt-go-gpw"  
 \*1+" \*3+" Wpkn"lcpwct{"3."4243."cp"qy-pgt"qt"qr-gtcvt"qh"e"pqp/ej-tqo-kwo"o-gvnl"o-gn-kpi"  
 qr-gtcvt"uj-cm'wug'Opg'qpg"qh'vj-g'hmqy-kpi"o-gv-qf-u'cu'kf-gp'kkgf"lp'uwr-ctci-ter-j-u"  
 \*1+\*3+\*C+"j-tqwi-j"i-+93+\*H"qt"cp"cnngtpcv"o-gv-qf"fggo-gf"eeegr-vdngr-r-tqxf-"  
 lp'y-klkpi-.d{"vj-g"gz-gewkxg"Qhleg"qt"j-ku'f-guk-pgg"uj-em'dg"uugf"0Uco-r-nkpi"ht"

vj gug"o gjv qf u"uj cm'eqo r n{ "y kj "CUVO "G": : /7: "3; : 8+: "öUcpcf ctf "Rtcevæg" hqt" Uco r n{pi " P qphgttqwu" O gvcn{ cpf " Cmq{ u" kp" Ecuv' Hqto " hqt" F gvgtö kpcvqp" qh" Ej go kecnEqo r qukkqpö"

\*3C+ " Vq" f gvgtö kpg" vj g" eqo r qukkqp" qh" cmq{ u" f ghkpgf " kp" r ctei tcr j " \*e+\*3+ " cpf " vq" f gvgtö kpg" vj g" ecf o kwo " eqpvpgv" qh" cnwo kpwo " cmq{ u" vq" gxcnwcvg" grki kdkrk{ " hqt" gz go r vqp" wpf gt" r ctei tcr j " \*km+\*4+ " qpg" qh" vj g" hqmuy kpi " o gjv qf u"uj cm' dg" wugf <"

\*Ck+ " CUVO " G" 449/89" 3; : 4+: " öUcpcf ctf " O gjv qf " hqt" Qr vkecn' Go kuukqp" Ur gestqo gtle" Cpcn{ uku" qh" Cnwo kpwo " cpf " Cnwo kpwo " Cmq{ u" d{ " vj g" Rqkp vq/ Rrpg" Vgej pls wgö"

\*Dk+ " CUVO " G" 829/; 2." öUcpcf ctf " O gjv qf " hqt" Qr vkecn' Go kuukqp" Ur gestqo gtle" Cpcn{ uku" qh" Cnwo kpwo " cpf " Cnwo kpwo " Cmq{ u" d{ " vj g" Rqkp vq/ Rrpg" Vgej pls wg. " P ktqi gp" Cvo qur j gtg-ö" qt"

\*Ek+ " CUVO " G" 3473/: : . " öUcpcf ctf " O gjv qf " hqt" Qr vkecn' Go kuukqp" Ur gestqo gtle" Cpcn{ uku" qh" Cnwo kpwo " cpf " Cnwo kpwo " Cmq{ u" d{ " vj g" Cti qp" Cvo qur j gtg. " Rqkp vq/ Rrpg" Wpkr qrt" Ugrh/ kpkv kpi " Ecr cekqt" F kuej cti gö"

\*4+ " Vq" f gvgtö kpg" cmq{ " eqo r qukkqp" cu" f ghkpgf " kp" r ctei tcr j u" \*e+\*35+ " cpf " \*e+\*45+ " CUVO " G" 339/86" 3; : 7+ " öUcpcf ctf " O gjv qf " hqt" Ur gestqi tcr j le" Cpcn{ uku" qh" Rki " Ngcf" d{ " vj g" Rqkp vq/ Rrpg" Vgej pls wgö" uij cm' dg" wugf 0"

\*5D+ " Vq" f gvgtö kpg" cmq{ " eqo r qukkqp" cu" f ghkpgf " kp" r ctei tcr j " \*e+\*48524+ : . " CUVO " G" 68/: 9" öVguv' O gjv qf " hqt" Ej go kecn' Cpcn{ uku" qh" Ngcf " cpf " Vkp/ Dcug" Uqrf gtö" uij cm' dg" wugf 0"

\*6E+ " Vq" f gvgtö kpg" ecf o kwo " eqpegpvtcvqp" kp" | kpe" cpf " | kpe" cmq{ u" vq" gxcnwcvg" grki kdkrk{ " hqt" gz go r vqp" wpf gt" r ctei tcr j " \*km+\*45+ " CUVO " G" 758/: 6" 3; : : +. " öUcpcf ctf " Vguv' O gjv qf " hqt" Ej go kecn' Cpcn{ uku" qh" \ kpe" cpf " \ kpe" Cmq{ uö" uij cm' dg" wugf 0"

\*7F+ " Vq" f gvgtö kpg" ecf o kwo " eqpegpvtcvqp" kp" eqr r gt" cpf " eqr r gt" dcugf " cmq{ u" vq" gxcnwcvg" grki kdkrk{ " hqt" gz go r vqp" wpf gt" r ctei tcr j " \*km+\*45+ " CUVO " G" 75/ : 8c" öUcpcf ctf " Vguv' O gjv qf " hqt" Ej go kecn' Cpcn{ uku" qh" Eqr r gtö" uij cm' dg" wugf 0"

\*8G+ " Vq" f gvgtö kpg" ctugple" eqpegpvtcvqp" kp" eqr r gt" cpf " eqr r gt" dcugf " cmq{ u" vq" gxcnwcvg" grki kdkrk{ " hqt" gz go r vqp" wpf gt" r ctei tcr j " \*km+\*45+ " CUVO " G" 84/ : ; . " öUcpcf ctf " Vguv' O gjv qf " hqt" Ej go kecn' Cpcn{ uku" qh" Eqr r gt" cpf " Eqr r gt" Cmq{ uö" uij cm' dg" wugf 0"

\*9H+ " Vq" f gvgtö kpg" ctugple" eqpvpgv" kp" cnwo kpwo " qt" | kpe" \*qt" cp{ " qvj gt" cmq{ " kp" y j lej " f gvgtö kpcvqp" qt" ctugple" d{ " ur gestqej go kecn' o gjv qf u" ku"

eqo r tqo kugf "d{ "lpvthgtgpeg+"vq" gxcnwcvg" grki kdkkx\ "hqt" gz go r vkqp" wpf gt"  
 r ctc i tcr j "4m\*45+. 'WUO' GRC' O gvy qf '9283' \*T gxlukqp' 3. 'F gego dgt' '3; : 9+."  
 õCtugple' \*C vqo le' Cduqtr vkqp. 'I cugqwu' J { f tkf g+õ' WUO GRC' 'Vguv' O gvy qf u"  
 hqt' Gxcnwcvkpi "Uqrf' "Y cugv' Rj { ulecn' cpf 'Ej go lecn' O gvy qf u. "Hktuv' Wf f cvg"  
 \*5<sup>tf</sup> "Gf kklqp+ "Lcpwct { "3; : : =GRC I752 IUY / : 6805/3=RD": ; /36: 98" uj cm'dg"  
 wugf O' Hqt' "cnwo kpwo "cmq { u. "uco r rg' f ki guvkqp" uj cm' go r m { "vj g" j { f tqz kf g"  
 f ki guvkqp" vgej pls wgo gvy qf "3" rkuvgf "kp" Cwcej o gpv' C "ó' F ki guvkqp" qh' O gvcn'  
 Cnwo kpwo "Uco r rg' hqt' F gvgo kpkpi "Ctugple" uj cm'dg" go r m { gf O'

\*j+" \*4+" Qp" cpf "chgt" Lcpwct { "3." 4243. "cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn'  
 o gmkpi "qr gtcvqp" uj cm' wug" qpg" qh' vj g' hmqy kpi "vguv' o gvy qf u" o quv' cr r rncdrp" vq"  
 vj g' uco r rg' o cvtkz. "o gvy qf "f gvevqp" tko kv. "cpf "lpvthgtgpegu<

\*C+" WUO GRC/ cr r tqxgf "o gvy qf \*u="

\*D+" Cevkxg' CUVO "lpvtpcvkpcn' o gvy qf \*u="

\*E+" O gvcnwti lecn' cuuc { \*u+ hqt' tcy "o cvgtkcn=qt"

\*F+" Cnvgtpcvkxg' o gvy qf \*u+ cr r tqxgf. "lp" y tkkpi. "d { "vj g' Gz gcvkxg' Qhlegto' "

\*j+" \*5+" Wukpi "qpg" qh' vj g' vguv' o gvy qf u' k' gpvkhgf "kp" r ctc i tcr j "4m\*45+. "cp" qy pgt "qt" qr gtcvqt "  
 qh' c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" uj cm' eqpf wv' vj g' hmqy kpi "o cvgtkcn'  
 vguvki <

\*C+" O qpvj n' "S wctvgt n' "cpcn' ugu' vq' f gvgo kpg' vj g' y gki j vgf "cxgtci g' r gtegpvc i g"  
 qh' ctugple. "ecf o kwo. "ej tqo kwo. "cpf "plengn' eqpvckpgf "kp" o gvcn' cpf "cmq { u"  
 o gmgf "kp" pqp/ ej tqo kwo "o gvcn' o gmkpi "hwtpegu=cpf"

\*D+" S wctvgt n' "cpcn' ugu' vq' f gvgo kpg' vj g' y gki j v' r gtegpvc i g' qh' ctugple. "ecf o kwo. "  
 ej tqo kwo. "cpf "plengn' eqpvckpgf "kp" dwm' uco r rgu' qh' dci j qwug' ecvej gu' qh'  
 dci j qwugu' cuuqekcvf "y kj "pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp u' "

"

\*k+" Go kuukqp' Eqpvtn' F gxleg' O qpkqtkpi "

\*k+" \*3+" Dci "Ngcm' F gvevqp" Uf uvg o "

Ghgevkxg' Lcpwct { "3." 4243. "cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "  
 qr gtcvqp" uj cm' qr gtcvg. "ecndtcvg. "cpf "o clpvckp" c' Dci "Ngcm' F gvevqp" Uf uvg o "hqt"  
 cm' dci j qwugu. "uwdlgev' vq" Twrg" 3629. "tgi ctf ngu" qh' uk' g. "r wtuwcpv' vq" vj g' Vket" 5"  
 tgs vkt go gpw' qh' Twrg" 3377 "ó' Rctvkwrcv' O cwgt "RO +Eqpvtn' F gxlegu' O'

\*k+" \*4+" Ghgevkxg' Lcpwct { "3." 4243. "hqt" gcej "go kuukqp' eqpvtn' f gxleg. "cp" qy pgt "qt" qr gtcvqt "  
 qh' c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" uj cm' wug" c" i cwi g" vq" eqpvkpvqwu n' "  
 o qpkqt "vj g' r tguuwt g' f tqr "cetquu' vj g' go kuukqp' eqpvtn' f gxleg O' Vj g' i cwi g' uj cm' dg"  
 mjecvfg "uq" vj cv' k' ku' gcukn' "xkukdrp" cpf "kp" erget "uki j v' qh' cp" qy pgt "qt" qr gtcvqt "qt"

o clpvgpcpeg'r gtuppggr0Hqt"vj g'r wtr qugu"qh'v ku'tgs wkt go gpv."cp"qy pgt"qt"qr gtcvqt"  
uj cm'gputg"vj cv'vj g'o qpkqtkpi "f gxleg<"

\*C+ " Kl"gs wkr r gf "y kj "r qt wu"vq"cmqy "hqt"r gtlkf le"ecrkdtevkqp"kp"ceeqtf cpeg"y kj "  
o cpwhcewtgtau'ur gekhcevkqpu="

\*D+ " Kl"ecrkdtevgf "ceeqtf kpi "vq"o cpwhcewtgtau'ur gekhcevkqpu"cv'rgcuv'qpeg"gxgt { "  
ecrgpf ct" { gct="

\*E+ " Kl"gs wkr r gf "y kj "c"eqvpkwquw"fcv"ces wkukqp"u{ uvg o "F CU#0Vj g"FCU"  
uj cm'tgeqtf "vj g'f c v"qwr w'htqo "vj g'o qpkqtkpi "f gxleg"cv'c"htgs wge { "qh'cv"  
rgcuv'qpeg"gxgt { "82"o kpwgu="

\*F+ " I gpgtcvgu"cf c v"hrq"htqo "vj g"eqo r wgt"u{ uvg o "kpwthcegf "y kj "gcej "FCU"  
gcej "ecrgpf ct"fc { "ucxgf "kp"O letquqhv"Gzegri\*zn"qt"znz + "hqt o cv'qt"qvj gt"  
hqt o cv'cu"cr r tqxgf "d { "vj g"Gzgewkxg"Qhleg0Vj g"hrq"uj cm'eqpvc k p" c"cdrg"  
qh'ej tqpqm i lecnf cvg"cpf "ko g"cpf "vj g"eqttgur qpf kpi "f c v"qwr w'xcnw"htqo "  
vj g'o qpkqtkpi "f gxleg"kp"lpej gu'qh'y cvgt "eqnw p0Vj g'qr gtcvqt"uj cm'r tgr ctg"  
c"ugr ctcvg" f c v" hrq" gcej " f c { "uj qy kpi " vj g" hqt/j qwt" cxgtci g" r tguuwtg"  
tgc f kpi u'tgeqtf gf "d { "vj ku'f gxleg" gcej "ecrgpf ct"fc { =cpf "

\*G+ " Kl'o clpvc k p g f "kp"ceeqtf cpeg"y kj "o cpwhcewtgtau'ur gekhcevkqpu0'

\*K+ " \*5+ " Cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcvkqp"go kuukqp"eqpvtqri"  
f gxleg"uj cm'eqpf wev'c"uqwtg"vgu'v' wtuwcpv'vq"uwd f kxkukqp"i + "h'vj g'r tguuwtg"cetquu"  
vj g"go kuukqp"eqpvtqri'f gxleg"ku"pqv'o clpvc k p g f "y kj kp"vj g"tcpi g"ur gekhkf "d { "vj g"  
o cpwhcewtgt"qt"ceeqtf kpi "vq"eqpf kkpup"qh'vj g"Rgto k'vq"Or gtcvg"ht"vj g"go kuukqp"  
eqpvtqri'f gxleg"cu'f gvgto kpgf "d { "j qwn"qt"o qtg"htgs wgpvtgeqtf kpi u'd { "vj g'FCU"ht"  
vj g'cxgtci kpi "r gtlkf u'dgm y . "pq'rcvgt"vj cp'52"fc { u'chgt"vj g'f kuetgr cpe { "ku'f gvgvgf <"  
\*C+ " C" hqt/j qwt"ko g'r gtlkf "qp"vj tgg"qt"o qtg"ugr ctcvg"fe+uqecukapu"qxgt"82"  
eqpugewkxg"fc { u="qt"

" \*D+ " Cp { "eqpugewkxg"46/j qwt"r gtlkf 0'

\*K+ " \*6+ " Ghgevkxg"Lcpwct { "3."4243."cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gnkpi "  
qr gtcvkqp"uj cm'qr gtcvg"vj g"go kuukqp"eqmgev k p"u{ uvg o "cuuqekvgf "y kj "cp"go kuukqp"  
eqpvtqri'f gxleg"cv'c"o kpl o wo "ecr wtg'xgmekv"ur gekhkf "kp"vj g'o quv'ewttgpv'gf kkp"  
qh'vj g"Industrial Ventilation: A Manual of Recommended Practice for Design,  
r wdrkuj gf "d { "vj g"Co gtlecp"Eqphgtgpeg"qh'I qxgtpo gpvcn'kpf wutkcn'J { i kpkwu."cv"  
vj g"ko g"c"r gto k'cr r rlecvkqp"ku'f ggo gf "eqo r ngv"y kj "vj g"Uqwj "Eqcu'CS O F 0'

\*K+ " \*7+ " Ghgevkxg"Lcpwct { "3."4243."hqt" gcej "go kuukqp"eqmgev k p"u{ uvg o "uwdlgev"vq"vj ku"  
uwd f kxkukqp."cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcvkqp"uj cm'  
eqpf wev'cpf "r cuu"cuo qmg"vgu'f wtkpi "uqwtg"vgu'kpi ."r wtuwcpv'vq"r ctci tcr j u"i +\*4+ "  
vj tqwi j "i +\*7+."cpf "cv'rgcuv'qpeg"gxgt { "ukz"o qpj u'vj gtgchgt."wukpi "vj g'r tqegf wtg"



- ugv'hqt vj "lp" Cwcej o gpv'D"ó"Uo qng"Vguv"vq" F go qpwtcvg" Ecr wtg" Ghhekgpe{ "hqt" Go kuukqp" Eqmgevqp" Uf uvg o u"qh"cp" Go kuukqp" Eqpvtqnl" F gxleg" qh" vj ku" twgO' Vj g" uo qng" vguv" f qgu" pqv" pggf "vq" dg" r gthqto gf "kh" eqpf wekpi "vj g" uo qng" vguv" ecp" dg" f go qpwtcvg" vq" vj g" Gzgewkxg" Qhhegt" vj cv" vj g" uo qng" vguv" y qwrf " etgcvg" cp" wptgcuqpcdrp" tkunO' K' vj g" go kuukqp" eqmgevqp" u{ uvg o "hckrf" c" uo qng" vguv" vj g" qy pgt" qt" qr gtcvt" qh" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" uj cm' pqv' wug" vj g" cuuqekcvf" hwtpeeg\* u" hqt" r tqf wekqp" wvki' vj g" go kuukqp" eqmgevqp" u{ uvg o "r cuugu" c" uo qng" vguv" O' "
- \*k" \*8+ " Ghgewkxg" Lcpwt{ "3." 4243. "hqt" gcej " go kuukqp" eqmgevqp" u{ uvg o . " cp" qy pgt" qt" qr gtcvt" qh" c" pqp/ ej tqo kwo " o gvcn' o gmkpi " qr gtcvqp" uj cm' wug" c" ecndtcvgf" cpgo qo gvt "vq" o gcuwtg" vj g" urqv' xgmekv' "qh" gcej " urqv' cpf " r tguwtg" cv' gcej " r wuj " ckt" o cplhrf " cv' rncuv" qpeg" gxgt{ " ukz" o qp vj u. " dcugf " qp" ku" rnecvqp" y kj lp" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" cpf "ku" f guki p' eqphki wtcvqpO' "
- \*C+ " Cp" go kuukqp" eqmgevqp" u{ uvg o " f guki pgf " y kj " c" j qqf " qt" gperquwtg" uj cm' o clpvclp" c" ecr wtg" xgmekv' "qh" cv' rncuv" 422" hggv' r gt" o kpwg" cu" o gcuwtg" cv' vj g' hceg" qh' vj g" gperquwtg" qt" o clpvclp" cv' rncuv' vj g" o kpo wo " urqv' xgmekv' " vj cv' xgtkhgu" 322" r gtegpv' eqmgevqp" ghhekgpe{ " o gcuwtg" " lp" vj g" o quv' tgegpv' uqwtg" vguvO' "
- \*D+ " Cp" go kuukqp" eqmgevqp" u{ uvg o " y kj qw' cp" gperqukpi " j qqf " vj cv' ku" f guki pgf " y kj " eqmgevqp" urqv' uj cm' o clpvclp" c" ecr wtg" xgmekv' "qh" cv' rncuv" 4.222" hggv' r gt" o kpwg" qt" o clpvclp" cv' rncuv' vj g" o kpo wo " urqv' xgmekv' " vj cv' xgtkhgu" 322" r gtegpv' eqmgevqp" ghhekgpe{ " o gcuwtg" " lp" vj g" o quv' tgegpv' uqwtg" vguvO' "
- \*E+ " Cp" go kuukqp" eqmgevqp" u{ uvg o " f guki pgf " y kj " c" ecpqr { " j qqf " y kj qw' cp" gperquwtg" uj cm' o clpvclp" c" ecr wtg" xgmekv' "qh" cv' rncuv" 422" hggv' r gt" o kpwg" cetquu" vj g" gpvtgvf " qh" cm' qr gp" ulf gu" gzvgpf kpi " htqo " vj g" r gtlo gvt " qh' vj g" j qqf " cpf " qr gtcvpi " y kj qw' etquu" f tchu" qt" o clpvclp" cv' rncuv' vj g" o kpo wo " urqv' xgmekv' " vj cv' xgtkhgu" 322" r gtegpv' eqmgevqp" ghhekgpe{ " o gcuwtg" " lp" vj g" o quv' tgegpv' uqwtg" vguvO' "
- \*k" \*9+ " Vj g" qy pgt" qt" qr gtcvt" qh" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" uj cm' tgr qtv. " y kj lp" 46" j qwtu. " vq" 3/: 22/EW/UO QI " c" o crhwpevqplpi " F CU" r vtuwcpv' vq" uwdrtci tcr j " \*k\*4+ \*F +. " hckrf " uo qng" vguv" r vtuwcpv' vq" r tci tcr j " \*k\*7+. " qt" cpgo qo gvt " tgc f kpi " kpf lecvpi " vj cv' vj g' tgs wktgf " xgmekv' " lp" r tci tcr j " \*k\*8+ j cu' pqv' dggp" o clpvclpgf O' "
- \*1+ " Tgeqtf mgr kpi " Tgs wkt go gpw" Cp" qy pgt" qt" qr gtcvt" qh" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" uj cm' o clpvclp" tgeqtf u" qh' vj g' hqmqy kpi < "

- \*1+ \*3+ Θαπνιηλ "S wctvgnf "s wcpvklgu"qh'tcy "o cvgtkcn'r tqeguugf . "kpenwf kpi "kpi quu."ueter . "  
ewuxqo gt'tgwtpu."cpf 't'gtwp'uetcr "cpf 'vj g'r vtej cug'tgeqtf u."kh'cr r rkecdng."vq'xgtkhf "  
vj gug's wcpvklgu="
- \*1+ \*4+ O cvgtkcn'vukpi "f cwc"cu'tgs wkt gf "d { "uudf kxkukqp" \*j +=
- \*1+ \*5+ Uqwteg'vuv'f cwc"cu'tgs wkt gf "d { "uudf kxkukqp" \*i + "cpf 'r ctei tcr j " \*k \*5 +=
- \*1+ \*6+ J qwugnggr kpi "cevkxklgu"eqpf wevgf "cu'tgs wkt gf "d { "uudf kxkukqp" \*g +=
- \*1+ \*7+ Kpur gevqkq." ecrkdtcvkqp" f qewo gpvcvkqp." cpf " o clpvpcpeg" qh' go kuukqp" eqpvtqri "  
f gxlegu"cu'tgs wkt gf "d { "uudf kxkukqp" \*k+."kpenwf kpi "vj g'pco g'qh'vj g'r gtupq"eqpf wevkpi "  
vj g'cevkxkvf "cpf "vj g'f cvgu"cpf "vko gu'cv'y j lej "ur gekhle"cevkxklgu'y gtg'eqo r rvgvf =
- \*1+ \*8+ Cpgo qo gvgf "f cwc"eqmgevfgf ."kpenwf kpi "ecr wtg"xgmekklgu."f cvgu"qh'o gcuwgo gpv."  
cpf "ecrkdtcvkqp" f qewo gpvcvkqp"cu'tgs wkt gf "d { "r ctei tcr j " \*k \*8 += "cpf "
- \*1+ \*9+ Uo qmg' vguv' f qewo gpvcvkqp" cu' tgs wkt gf " kp" Cwcej o gpv' D" ó" Uo qmg' Vguv' vq "  
F go qpwtcvg"Ecr wtg"Ghlekpe { "hqt"Go kuukqp"Eqmgevqkq"U{ uvgo u'qh'cp"Go kuukqp "  
EqpvtqriF gxleg0"
- Cp"qy pgt"qt"qr gtcvqt"uj cm'o clpvkcp"cm'tgeqtf u'hqt"vj tgg" { gctu."y kj "cv'ngcuv'vj g'wy q"o quv' "  
tgegpv' { gctu"nrg v'qpukg."cpf "o cf g'exckrcdng"vq"vj g"Uqwj "Eqcu'CS O F "wr qp"tgs wgu0 "  
Tgeqtf u'nrg v'qhukg"uj cm'dg"o cf g'exckrcdng"y kj kp"qpg'y ggn0 "

"

- \*m Gzgo r vkpu"
- \*m \*3+ Cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqkq"vj cv'o gnu"pq "  
o qtg"vj cp"qpg"vqp"r gt" { gct"qh'vj g'vqcn'qh'cm'pqp/ej tqo kwo "o gvcn'o gmgf "uj cm' "  
qpnf "dg'uwdlgev'vq'r ctei tcr j " \*1+\*3+0 "
- \*m \*4+ Wpkn' Lcpwct { "3."4243."hqt" hcekrklgu"o gmkpi "uqrgn{ "o gvcn'rkuvf "kp" Vcdng" K'ó "  
Gzgo r vkp"Nko ku"hqt"O gvcn'O gmgf . "lpqv" kpenwf kpi "cp { "o gvcn'qt"cmq { "y j lej "ku "  
uj qy p'd { "rcdqtcvqt { "cpcn'uku"vq"j cxg'nguu"vj cp"2026'r gtegpv'qh'ecf o kwo "cpf "nguu "  
vj cp" 2024"r gtegpv' qh' ctugple" d { "y gki j v." vj g" grki kdkkvf " hqt" gzgo r vkp" htqo "  
uudf kxkukpu" \*f + "cpf " \*k+ "uj cm'dg" f gvgto kpgf "vukpi "vj g'hqto wr< "

CIC<sub>2</sub>"- "DID<sub>2</sub>"- "EIE<sub>2</sub>"- "í í ">"? "3"

Y j gtg"C."D."E."í . "ctg"s wcpvklgu"qh'Vcdng"K'o gvcn'o gmgf "cpf ""

C<sub>2</sub>."D<sub>2</sub>."E<sub>2</sub>."í 0"ctg'vj g'gzgo r vkp"rko ku'rkuvf "kp"Vcdng"K0 "

\*C+ Hqt" gcej "o gvcn'rkuvf "kp"Vcdng"K'f kxkf g'vj g"s wcpvkvf "o gmgf "d { "vj g'ur gekhle "  
gzgo r vkp"rko k'rkuvf 0 "

\*D+ Uwo "vj g'tguwnkpi "htcevqpu'hqt"cm'vj g'o gvcn0 "

\*E+ Kl'vj g"uwo "f qgu"pqv'gzeggf "30."vj g'hcekrkvf "s wcrklgu" hqt "gzgo r vkp"wpf gt "  
r ctei tcr j " \*m \*4+0 "

**Table I**Gz go r vkp'Nko ku'hqt'O gvcn'O gmgf "

<u>"</u>	<u>"</u>	<u>O gvcn' "</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>Gz go r vkp'Nko kv'</u>
								<u>*vpu'r gt' { gct +'</u>
		<u>Rwtg'Ngcf<sup>3</sup>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>622"</u>
		<u>J ctf'Ngcf<sup>4</sup>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>422"</u>
		<u>Cnwo kpwo "Uetcr "</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>347"</u>
		<u>Cnwo kpwo "kpi qv'eqpvckpki 'o qtg'vj cp"</u>				<u>"</u>	<u>"</u>	<u>347"</u>
		<u>" 2026'r gtegpv'ecf o kwo "qt"</u>						
		<u>" 2024'r gtegpv'ctugple'd { 'y gli j v'</u>						
		<u>Uqrf gt'"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>322"</u>
		<u>\ kpe"Uetcr "</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"52"</u>
		<u>Eqr r gt"qt"eqr r gt/dcugf "cmq { u"</u>			<u>"</u>	<u>"</u>	<u>"</u>	<u>"52"</u>
		<u>" *zegr v'uetcr +'eqpvckpki 'o qtg'vj cp"</u>						
		<u>" 2026'r gtegpv'ecf o kwo "qt"</u>						
		<u>" 2024'r gtegpv'ctugple'd { 'y gli j v'</u>						
		<u>V { r g'O gvcn' "</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"47"</u>
		<u>3&lt;Rwtg'Ngcf "ku'cp { 'cmq { 'vj cv'eqpvckpu'cv'rcuv'; 2'r gtegpv'rcf "cpf "eqpvckpu'pq'o qtg'vj cp"2023'</u>						
		<u>r gtegpv'ecf o kwo 'd { 'y gli j v'cpf 'pq'o qtg'vj cp"2023'r gtegpv'ctugple'd { 'y gli j v'</u>						
		<u>4&lt;J ctf'Ngcf "ku'cp'cmq { 'eqpvckpki 'cv'rcuv'; 2'r gtegpv'rcf "cpf 'o qtg'vj cp"2023'r gtegpv'ctugple'd { 'y gli j v'qt"2023'r gtegpv'ecf o kwo 'd { 'y gli j v'</u>						
		<u>5&lt;V { r g'O gvcn'ku'cp { 'rcf /dcugf "cmq { 'wugf 'hqt'Nkpqv'r g'o cej kpgu'}</u>						
<u>*m'"</u>	<u>*5+ "</u>	<u>O gvcn'qt"Cmq { 'Rwtkv/ 'Gz go r vkpu"</u>						
		<u>Cp"qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkv'uj cm'dg"gz go r v'</u>						
		<u>htqo "uwdf kxkukqpu"*f +:"i +:"cpf "k+r tqxkf gf "vj cv'vj g'hcekrv/ &lt;</u>						
		<u>*C+ " O gnu'nguu'vj cp": .622"vpu'r gt' { gct"qh"pqp/ej tqo kwo "o gvcn'kp"htpcegu"</u>						
		<u>y j lej &lt;'f q"pqv'o gnu'o qtg'vj cp"qpg'r gtegpv'uetcr "zegr v'tgtwp'uetcr "cpf "</u>						
		<u>ewuqo gt'tgwtpu="cpf 'o gnu'o gvcn'qt"cmq { u'y j lej 'ctg'uj qy p'd { 'rcdqtcvqt { "</u>						
		<u>cpcn'uku"q"j cxg"nguu'vj cp"2024'r gtegpv'ctugple."nguu'vj cp"2026'r gtegpv'</u>						
		<u>ecf o kwo ."cpf "nguu'vj cp"207'r gtegpv'ej tqo kwo "d { "y gli j v'qp" c"o-qpvj-nf"</u>						
		<u>s wctvgtnt' y gli j vgf "cxgtci g="</u>						

\*D+ " O gnu"nguu"vj cp"64.222"vpu"r gt" { gct"qh"ppp/ej tqo kwo "o gcnl"kp"htpcegu"  
y j lej <"f q"pqv"o gnu"o qtg"vj cp"qpg"r gtegpv"ueter "gzegr v'tgtwp"ueter "cpf "  
ewuxqo gt'tgwtpu="cpf "o gnu"o gvcnu"qt"cmj { u'y j lej "ctg"uj qy p"d { "rddqtcvqt { "  
cpcn { uku"vq"j cxg"nguu"vj cp"nguu"vj cp"20226"r gtegpv"ctugple."2022: "r gtegpv"  
ecf o kwo ."cpf "nguu"vj cp"207"r gtegpv"ej tqo kwo "d { "y gki j v"qp" c" e-qpj-nf"  
s wctvgt n { "y gki j vgf "cxgtci g="qt"

\*E+ " O gnu"nguu"vj cp": 6.222"vpu"r gt" { gct"qh"ppp/ej tqo kwo "o gcnl"kp"htpcegu"  
y j lej <"f q"pqv"o gnu"o qtg"vj cp"qpg"r gtegpv"ueter "gzegr v'tgtwp"ueter "cpf "  
ewuxqo gt'tgwtpu="cpf "o gnu"o gvcnu"qt"cmj { u'y j lej "ctg"uj qy p"d { "rddqtcvqt { "  
cpcn { uku"vq"j cxg"nguu"vj cp"nguu"vj cp"20224"r gtegpv"ctugple."20226"r gtegpv"  
ecf o kwo ."cpf "nguu"vj cp"207"r gtegpv"ej tqo kwo "d { "y gki j v"qp" c" e-qpj-nf"  
s wctvgt n { "y gki j vgf "cxgtci gO'

Cp"qy pgt"qt"qr gtcvqt"uggnkpi "gz go r vkp"wpf gt"uwdr ctei tcr j u"\*m\*5+\*C+"vj tqwi j "  
\*m\*5+\*E+" uj cni' f go qpustcvg" gki kdkkv" vj tqwi j " o cvgtkcn' vukpi " r wuvcpv" vq"  
r ctei tcr j "j +\*5+0'

\*m" \*6+ " Engcp"Cnwo kpwo "Ueter "  
Wpwnlcpwct { "3."4243."htpcegu"wgf "gzenwukxgn { "vq"r tqeguu"engcp"cnwo kpwo "ueter "  
qt" c"o kzwtg"qh"engcp"cnwo kpwo "ueter "cpf "cnwo kpwo "kpi qv"vq"r tqf weg"gz v wukp"  
dkmgv'ctg"gz go r v'ltqo "uudf kxkukpu"\*f +."\*i +."cpf "\*"k0'

\*m" \*7+ " Cnwo kpwo "Ueter "Htpcegu"  
Wpwnlcpwct { "3."4243."vj g'eqo dwukp"ej co dgt'kp" c'tgxgtdgtcvqt { "htpceg"ku"gz go r v"  
ltqo "vj g"tgs wkt go gpw"kp"uudf kxkukpu"\*f +."\*i +."cpf "\*"k"kh"vj g"htpceg"o ggwu"vj g"  
hqmqy kpi "eqpf kxkpu<"

\*C+ " Vj g"htpceg"ku"wgf "uqrgn { "vq"o gnu"cnwo kpwo "cpf "cnwo kpwo "dcugf "cmj { u="  
cpf "

\*D+ " Vj g"htpceg"ku"eqpustwvfg "y kj "c"ej cti kpi "y gni"qt"uko krct "f gxleg"kp"y j lej "  
hggf "ku'cf f gf "vq"o qnngp"o gcnl"kp" c"ugr ctcvg"ej co dgt0'

\*m" \*8+ " Cnwo kpwo "Rqwtkpi "Gz go r vkp"  
Ncf ngu."rcwpf gt u."qt"qvj gt"gs wkr o gpv"wgf "vq"eqpxg { "cnwo kpwo "ltqo "c"o gnikpi "qt"  
j qrf kpi "htpceg"vq"ecukpi "gs wkr o gpv"uj cni"qpn { "dg"uudlgev"vq"vj g"tgs wkt go gpw"kp"  
uudf kxkukpu"\*g+."\*h+."cpf "\*"i+"qh"vj ku'twrg0'

\*m" \*9+ " Twrgu"3642"cpf "36420l"  
Gs wkr o gpv"cpf "qr gtcvqpu"uudlgev"vq"vj g"tgs wkt go gpw"qh"Twrg"3642"o"Go kxkpu"  
Ucpf ctf "hqt"Ngcf "cpf "Twrg"36420l"o"Go kxkpu"Ucpf ctf u"htq"Ngcf "ltqo "O gcnl"  
O gnikpi "Hckrkkgu"uj cni"qpn { "dg"uudlgev"vq"r ctei tcr j "\*"f +\*7+0'Kc" "T gi wrcvqp"Z KX"  
twrg"ku'cf qr vgf "qt"co gpv gf "vj cv'kpenw gu" c"r tqxkukp"htq"tckrkkgu"uudlgev"vq"Twrgu"

3642" cpf " 364204" vj cv' cff tguugu" ctugple" go kuukpu." gs wkr o gpv' cpf " qr gtcvkpu" uwdlgev'vq"vj g'tgs wkt go gpw'qh'Twrgu"3642"cpf "364204"uj cm'dg"gz go r v'htqo "vj g" tgs wkt go gpw'qh'vj ku'twrg0"

\*m" \*+ " Twrg'364208"

Gs wkr o gpv'cpf "qr gtcvkpu"uwdlgev'vq"vj g'tgs wkt go gpw'qh'Twrg'364208"6"Go kuukp" Ucpfctfu"htq"Ngc f"cpf "Qvj gt"Vqzke"Ckt"Eqpwo kpcpw"htqo "Ncti g"Ngc f/Cekf" Dcwgt {"Hcekkkku"uj cm'dg"gz go r v'htqo "vj g'tgs wkt go gpw'qh'vj ku'twrg0"

\*m" \*+ " Vj g'qy pgt"qt"qr gtcvqt"qh'c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkp"uj cm'dg"gz go r v' htqo "uwdf kxkukp"\*f +r tqxkf gf "vj cv'vj g'hcekkk\ "j cu'c"J gcnj "TkunlCuuguuo gpv'qt"Ckt" Vqzkeu"Kpxgpvt {"Tgr qtv'cr r tqxgf "qt"r tgr ctgf "d {"vj g"Uqwj "Eqcu'CS O F"htq"vj g" r wtr qug'qh'vj g"J qv'Ur quw'Cev'qt"vj ku'twrg"vj cv."cu'cr r tqxgf "qt"r tgr ctgf "d {"vj g"Uqwj " Eqcu'CS O F."ku'ewttgpw\ "dgmj "c"o czko wo "kpf kxf wcn'ecpegt"tkunlqh'vgr"kp"qpg" o krikp"r wtuwcpv'vq"Twrg'3624"6"Eqpvtqn'qh'Vqzke"Ckt"Eqpwo kpcpw"htqo "Gz krikpi " Uqwtegu"qt"e"ewttgpv'Hcekkk\ "Rtkqtk\ "Ueqtg"qh'nguu"vj cp"vgr"r wtuwcpv'vq"vj g"o quv' tgegpv'xgtukp"qh'vj g"Uqwj "Eqcu'CS O F"*Facility Prioritization Procedure for the AB 2588 Program*0Cp"qy pgt"qt"qr gtcvqt"uggnkpi "gz go r vkp"wpf gt"vj ku'r ctei tcr j " uj cm'pqvkh\ "vj g"Gzgewkxg"Qhhegt"kp"y tkkpi "cpf "o ckpwckp"qpukg"vj g"J gcnj "Tkunl Cuuguuo gpv'qt"Ckt"Vqzkeu"Kpxgpvt {"Tgr qtv'cu'cr r tqxgf "qt"r tgr ctgf "d {"vj g"Uqwj " Eqcu'CS O F."cpf "o cf g"cxckrdrq"vq"vj g"Uqwj "Eqcu'CS O F"wr qp'tgs wgu0"

\*m" \*32+ " Dtc| kpi ." fkr "uqrf gtlpi ." o gvcn'ewwki ." qt"o gvcn'i tkpf kpi "qr gtcvkpu"eqpf wevgf " f wtkpi "o ckpwpcpeg"cevkxkku'ctg"gz go r v'htqo "vj g'tgs wkt go gpw'qh'vj ku'twrg0"

## ATTACHMENT A

## Digestion of Metal Aluminum Sample for Determining Arsenic

- 30'  $\text{Kpvtqf wexqp} <$   
 O gvcn'cnwo kpwo "ecppqv"tgcev"y kj "pktle"cekf "\*J P Q<sub>5</sub>+"qt"eqpegpvtcvgf "uwhtle"cekf "\*J<sub>4</sub>UQ<sub>6</sub>+0K"ecp'f kuuxg'kp'f kwwg'uwhtle'cekf "qt"j {ftqej mtle'cekf "\*J E n0Cevxg"j {ftqi gp." i gpgtcvgf "ftkpi "y g"cekf "f ki gukqp"rtqegu."y kn'tgf weg"ctugple"vq"ctukpg"\*CuJ<sub>5</sub>±"y j lej " y kn'guecr g"htqo "uqnwkqp."tguwnkpi "kp" c"mgy "qt"pgi cvxg"ctugple"xcnw0Vj g"rtqr qugf " o gj qf "ugw'wr "c"rtqvceqn'vq'f kuuxg'o gvcn'cnwo kpc'y kj qw'quu'qh'ctugple0
- "
- 4" Tgci gpv<
- " 50 "Uqf kwo "J {ftqz kf g" \*P cQJ ±"32' "O gtewt {"Uwhcvg" \*J i UQ<sub>6</sub>+"uqnwkqp."52' "J {ftqi gp" Rgtqz kf g" \*J<sub>4</sub>Q<sub>4</sub>±."
- "———3-3"J<sub>4</sub>UQ<sub>6</sub>."Eqpegpvtcvgf "J P Q<sub>5</sub>."cpf "Vtkpi "Eqr r gt0
- "
- 5" Rtqegf wtg<
- " 500' F kuuxg"
- " " 5000' F kuuxg"vulpi "P cQJ "O gj qf "3+0'  
 Y gki j "207"i "qh'o gvcn'cnwo kpwo "uco r ng"vq" c"347"o knkxgt"\*o n'Gtrgpo g{gt" hrcum"cf f "37"o n'qh"50 "P cQJ "uqnwkqp."cmgy "vq'tgcev'cpf "f kuuxg"cdqw'42" o kpwgu0Ci ckp"cf f "32"o n'qh"50 "P cQJ ."eqpvkpwg"tgcevkqp"wpvkn'pq"i cu" dwddrgu'ctg"rtgugpv'cpf "y g"uco r ng"ku'f kuuxg"eqo r ngvgn(0
- " " 5004' F kuuxg"vulpi "J i UQ<sub>6</sub>"\*O gj qf "4+0'  
 Y gki j "207"i "qh'o gvcn'cnwo kpwo "uco r ng"vq" c"347"o n'Gtrgpo g{gt" hrcum"cf f " 32"o n'qh"32' "J i UQ<sub>6</sub>"uqnwkqp"cpf "7"o n'qh"52' "J<sub>4</sub>Q<sub>4</sub>0Chgt"42"o kpwgu."cf f " cr r tqr tlcvg"co qwpv"qh"J i UQ<sub>6</sub>0Cmgy "tgcevkqp"vq"eqpvkpwg"wpvkn'pq"i cu" dwddrgu'ctg"rtgugpv'0Cf f "o gvcn'eqr r gt"utkr u"\*rti g"uwthceg"ctgc+"kpq"y g" uco r ng"uqnwkqp0Chgt"32"o kpwgu."y kj f tcy "y g'eqr r gt"utkr u"cpf "cf f "pgy " eqr r gt"utkr u0Tgr gcv'wpvkn'y g'uwthceg"qh'y g'eqr r gt"utkr u"kp"uco r ng"uqnwkqp" f q"pqv'ej cpi g"vq" c"ukxgt"eqm0Y kj f tcy "cm'eqr r gt"utkr u"htqo "uco r ng" uqnwkqp0
- " 5040' F ki gukqp"  
 Cf f "5"o n'qh'eqpegpvtcvgf "J P Q<sub>5</sub>."7"o n'qh"3-3"J<sub>4</sub>UQ<sub>6</sub>"kpq"y g'uco r ng"uqnwkqp" qdvckpgf "htqo "5000"qt"50040J gcv'umy n' "cpf "gxcrtcvg"y g'uco r ng"uqnwkqp" wpvkn'uwht"vtkz kf g"UQ<sub>5</sub>±"hwo gu'ctg"rtgugpv'ht"7"o kpwgu0Eqqn'cpf "f kwwg" yj g'uco r ng"vq"720"o n0F gygto kpg"ctugple"d{ "Cvqo le"Cduqtr vkp"o gj qf 0

**ATTACHMENT B****Smoke Test to Demonstrate Capture Efficiency for Emission Collection Systems of an  
Emission Control Device**

"

30' Cr r ncedkky/ "cpf "Rtlpekr ng<"" 308" Cr r ncedkky/ "" Vj ku'o gjv qf "ku"cr r ncedng"vq"cm'hwtpcegu'y j gtg"cp"go kuukqp"eqpvtqn'f gxleg"ku'wugf "  
vq"ecr wtg"cpf "eqpvtqn'go kuukapu'htqo "pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcvkqpu0"" 304" Rtlpekr ng"" Eqmgevkap"qh'go kuukapu'htqo "c"pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcvkq"ku'cej kexgf "  
d{ "vj g"go kuukqp"eqmgevkap"u'f ugo "cuuqekvxf "y kj "vj g"go kuukqp"eqpvtqn'f gxleg"htq "  
vj g"pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcvkq0"Go kuukqp"eqpvtqn' ghhekgpe { "cv"vj g "  
gzj cwu'qh'cp"go kuukqp"eqpvtqn'f gxleg"ku't gnvxf "vq"ecr wtg"ghhekgpe { "cv"vj g"lpgv'qh "  
vj g"go kuukqp"eqmgevkap"u'f ugo 0Hqt "vj ku't gcuqp."322"r gtegpv'ecr wtg"ghhekgpe { "uj cm "  
dg"o clpvkpgf 0'C"uo qng"i gpgtcvqt"r megf "y kj kp"vj g"ctgc"y j gtg"eqmgevkap"qh "  
go kuukapu'd { "vj g"go kuukqp"eqmgevkap"u'f ugo "qeewtu't gxcgn'vj ku'ecr wtg"ghhekgpe { 0'40' Cr r ctcwu<"" 408" Uo qng"i gpgtcvqt"" Vj g"uo qng"i gpgtcvqt"uj cm'dg"cf gs wcv"vq"r tqf weg"c"r gtukvpgv'ut gco "qh"xkukng "  
uo qng"\*g0 0'O qf gn'U324"Ti kp"Uo qng"Go kwgt "Ectvtf i gu0Vj g"uo qng"i gpgtcvqt "  
uj cm'pqv'r tqxkf g"gzeguukxg"o qo gpwo "vq"vj g"uo qng"ut gco "vj cv'o c { "etgcvg"c"dku "  
kp"vj g"f gvgto kpcvkp"qh'eqmgevkap"ghhekgpe { 0K'vj g"uo qng"i gpgtcvqt "r tqxkf gu'urki j v "  
o qo gpwo "vq"vj g"uo qng"ut gco . "k'uj cm'dg't gngcugf "r gtr gpf lewrt "vq"vj g"f k gevkap "  
qh'vj g"eqmgevkap"xgmekv { 0"50' Vgukpi "Eqpf kkpqu<"" 508" Gs wkr o gpv'Qr gtcvkq""" Cp { "gs wkr o gpv'vq"dg"uo qng"vguvf "vj cv'ku'ecr cdng"qh"i gpgtcvkpi "j gcv'cu"r ctv"qh "  
pqto cn'qr gtcvkq"uj cm'dg"uo qng"vguvf "wvf gt "vj qug"pqto cn'qr gtcvkpi "eqpf kkpqu0 "  
Qr gtcvkpi "r ctco gvgtu'qh'vj g"gs wkr o gpv'f vt kpi "vj g"uo qng"vguv'uj cm'dg't geqtf gf 0Vj g "  
uo qng"vguv'uj cm' dg" eqpf wvxf "y j kng"vj g" go kuukqp"eqmgevkap" u'f ugo "cpf "vj g "  
go kuukqp"eqpvtqn'f gxleg"ctg"kp"pqto cn'qr gtcvkq0Vj g"r qukkqp"qh'cp { "cf lwucdng "  
f co r gtu'vj cv'ecp"chgevf'ck'hrqy "uj cm'dg'f qewo gpvgf 0Rt gecwkpqu'uj cm'dg'cngp'd { "  
vj g"hekrkv "vq"gxncwcv"cp { "r qvgpvkn'r j { ulecn'j c| ctf u"vq"gpwutg"vj g"uo qng"vguv'ku "  
eqpf wvxf "kp"c"uchg"o cppgt0'

- " 504" Etquw/F tch'
- " Vj g"uo qng" wuv'uj cm' dg" eqpf wevgf "y j kng" vj g" go kuukqp" eqmgevqp" u{ uvg " cpf "  
go kuukqp" eqpvtqnf gxleg" ctg" lp" pqt o cni'qr gtcvqp" cpf "wpf gt "v{ r kcnf' f tch' eqpf kkpup"  
tgr tguqpcvkg" qh' vj g" hcekvf au" pqp/ ej tqo kwo " o gvcn' o gmkpi " qr gtcvqp u' Vj ku'  
kpenw gu' eqqrkpi " lcpu" cpf " gpenwut g" qr gpkpi u' chgevkpi " f tch' eqpf kkpup" kpenw kpi . "  
dw' pqv' rko kcf " vq. " xgpv. " y kpf qy u. " f qqty c { u. " cpf " dc { " f qqtu. " cu" y gm' cu" vj g"  
qr gtcvqp" qh' qj gt " y qtn' uvcvqpup" cpf " tchle0 Vj g" uo qng" i gpgtcvqt " u' cm' dg" cv' hwn'  
i gpgtcvqp" f vt kpi " vj g" gpvtg" wuv' cpf " qr gtcvqf " ceeqtf kpi " vq" o cpwhewtgt au'  
uwi i guvgf " wug0"
- 60" Rtqegf vtg<
- " 608" Eqmgevqp "Urqw"
- " 608B" Hqt "y qtn' uvcvqpup" gs wkr r gf "y kj " eqmgevqp "urqu" qt " j qqf u. " vj g" uo qng" u' cm'  
dg" t gmcugf " cv' r qkpup" y j gtg" go kuukqpup" htqo " pqp/ ej tqo kwo " o gvcn' o gmkpi "  
qr gtcvqpup" ctg' i gpgtcvqf " \*g0 0 vj g' r qkp v' y j gtg' o gmkpi " qeewtu0 Uo qng" u' cm'  
dg" t gmcugf " cv' r qkpup" pqv' vq " gzeggf " 34 " lpej gu' cr ct v' cetquu' xgpwkvqf " y qtn'  
ctgcu0"
- " 6084" Qdugtxg" vj g" eqmgevqp" qh' vj g" uo qng" htqo " vj g" uo qng" i gpgtcvqt " cpf "  
go kuukqpup" htqo " vj g" qr gtcvqpup" vq" vj g" eqmgevqp" mecvqp\* u+ " qh' vj g" go kuukqp"  
eqmgevqp" u{ uvg " 0T geqtf " vj gug' qdugtxcvqpup" cv' gcej " qh' vj g' r qkpup' r tqxkf kpi "  
c" s wcrkcvkg" cuuguu gpv' qh' vj g" eqmgevqp" qh' uo qng" cpf " go kuukqpup" vq" vj g"  
go kuukqp" eqmgevqp" u{ uvg " 0'
- " 604" Gs wkr o gpv' Gpenwut gu"
- " 604B" Gs wkr o gpv' gpenwut gu" kpenw g" gs wkr o gpv' y j gtg" go kuukqpup" ctg" i gpgtcvqf "  
kpukf g' vj g' gs wkr o gpv' cpf " vj g' gs wkr o gpv' ku' lkvqpf gf " vq" j cxg' lpy ctf " ckt' hqy "  
vj tqwi j " qr gpkpi u' vq" r tggxgpv' vj g" guerc g" qh' r tqeguu" go kuukqpup" Vj g" uo qng"  
uj cm' dg" t gmcugf " cv' r qkpup" qwukf g" qh' vj g" r rcp g" qh' vj g" qr gpkpi " qh' vj g"  
gs wkr o gpv' qxgt " cp" gxgpnf " ur cegf " o cvtz " cetquu" cm' qr gpkpi u' y kj " r qkpup"  
pqv' vq " gzeggf " 34 " lpej gu' cr ct v' 0'
- " 6044" Qdugtxg" vj g' lpy ctf " o qxgo gpv' qh' vj g" uo qng" htqo " vj g" uo qng" i gpgtcvqt " cpf "  
go kuukqpup" htqo " vj g" qr gtcvqpup" vq" vj g" eqmgevqp" mecvqp\* u+ " qh' vj g" go kuukqp"  
eqmgevqp" u{ uvg " 0T geqtf " vj gug' qdugtxcvqpup" cv' gcej " qh' vj g' r qkpup' r tqxkf kpi "  
c" s wcrkcvkg" cuuguu gpv' qh' vj g" eqmgevqp" qh' uo qng" cpf " go kuukqpup" vq" vj g"  
go kuukqp" eqmgevqp" u{ uvg " 0'



70' Tguwmu<

" C"r cuukpi "uo qng"vguv'uj cm'f go qpwtcvg" c" f ktgev'ut gco "qh"uo qng"cpf "go kuukqpu"vq"vj g" eqmgevqpp"mjevqpp\*u+"qh"vj g" go kuukqp"eqmgevqpp"u{uvgo "y kj qww'o gcpf gt kpi u"qww"qh"vj ku" f ktgev'r cvj 0'

80' Fqewo gpvcvqpp<

" Vj g"uo qng"vguv'uj cm'dg"fqewo gpvgf"d{ "r j qvqi tcr j u"qt"xkf gq"cv"gej "r qkp'vj cv'engctn" uj qy "vj g"r cvj "qh"vj g"uo qng"cpf "go kuukqpu0'Fqewo gpvcvqpp"uj cm'cnuq"lpenwf g" c"rkuv"qh" gs vkr o gpv'vguvf "cpf "cp{ "tgr cktu"vj cv'y gtg'r gthqto gf "lp"qtf gt"vq"r cuu'vj g"uo qng"vgu0'Cu" r tgxkqwu" f kieuuugf ."vj g"fqewo gpvcvqpp"uj cm'lpenwf g"vj g"r qukvqpp"qh'cf lwvcdng" f co r gtu." etquv/f tch" eqpf kkpqpu." cpf" vj g" j gcv' kpr ww" qh" vj g" gs vkr o gpv." kh" cr r rdecdng0' Vj g" fqewo gpvcvqpp"uj cm'dg'uki pgf "cpf "f cvgf "d{ "vj g"r gtuqp"r gthqto kpi "vj g"vgu0"

# ATTACHMENT G

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

"

"

### Final Staff Report

### Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations

September 2019

#### Deputy Executive Officer

Rrppkpi . 'Twg'F gxgnr o gpv'cpf 'Ctgc'Uwtegu"  
Rj kkr 'O 0Hkpg. 'Rj (F 0

#### Assistant Deputy Executive Officer

Rrppkpi . 'Twg'F gxgnr o gpv'cpf 'Ctgc'Uwtegu"  
Uwucp'P cno wtc"

#### Planning and Rules Manager

Rrppkpi . 'Twg'F gxgnr o gpv'cpf 'Ctgc'Uwtegu"  
O lej cgn'O qttku"

"

Cwj qt<"

" "

"

Eqpstkdwqtu<"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Tgxkgy gf 'd{<"

"

"

"

"

O lej cgn'O qttku"o'Rrppkpi 'cpf 'Twgu'O cpci gt"

W{ gp/W{ gp'Xq"o'Rtqi tco "Uwr gt xkuqt"

Lqj p'Cpf gtup"o'Ck'S wrkv{ 'Cpcn{ ulu'cpf 'Eqo r rkepeg'Uwr gt xkuqt"

Lcuqp'Cur gml'o'Gphqtego gpv'O cpci gt"

F gxqtn{ p'Egruwpkpg"o'Uwr gt xkuqi 'Ck'S wrkv{ 'Kpur gevqt"

Hqtwpq'Ej gp"o'Ugplqt'Ck'S wrkv{ 'Gpi kpggt"

Mgxkp'Ej kw"o'Ck'S wrkv{ 'Gpi kpggt"K

[ cf ktc'F gJ ctq/J co o qenlo'Ugplqt'Ck'S wrkv{ 'Ej go kuv"

Nwng'Gkupj ctf v"o'Ck'S wrkv{ 'Ur gekrkuv"

Mgppctf'Gmku"o'Ck'S wrkv{ 'Ur gekrkuv"\*gwk gf +"

O qplec'Hgtcpf gl /P glkf "o'Ck'S wrkv{ 'Gpi kpggt"KK

O kng'I ctldc{ "o'Uwtegu'Vguv'O cpci gt""

Uj cppqp'Ngg"o'Ugplqt'Ck'S wrkv{ 'Gpi kpggt"

Xlewqtk'O qcxgpk"o'Rtqi tco "Uwr gt xkuqt"

Gf "O wj nlejt gt"o'Ugplqt'Ck'S wrkv{ 'Gpi kpggtkpi "O cpci gt"

Ej ctrpgp'P i w{ gp"o'Ck'S wrkv{ 'Ur gekrkuv"

F qp'P i w{ gp"o'Ugplqt'Ck'S wrkv{ 'Gpi kpggt"

O cteq'Rqmq"o'Ck'S wrkv{ 'Gpi kpggt"KK

Detdctc'Tcf rglp"o'Rtqi tco "Uwr gt xkuqt"

Ctqlq'Uqncpk"o'Uwr gt xkuqi 'Ck'S wrkv{ 'Kpur gevqt"

Dtkcp'Ur gcmi"o'Ugplqt'Ck'S wrkv{ 'Gpi kpggt"

Rwml'Utqkni"o'Ck'S wrkv{ 'Ur gekrkuv"

Ej ctrgu'Vwr ce"o'Uwr gt xkuqi 'Ck'S wrkv{ 'Gpi kpggt"

Dkni'Y grej "o'Ugplqt'Ck'S wrkv{ 'Gpi kpggt"

Nkuc'Y qpi "o'Cuukucpv'Ck'S wrkv{ 'Ur gekrkuv"

Detdctc'Dctf "o'Ej kgh'F gr w{ 'Eqwpugn'

Uceg{ 'Rtwk"o'Ugplqt'F gr w{ 'F kntlev'Eqwpugn'

Y knko "Y qpi "o'Rtkpkc cni'F gr w{ 'F kntlev'Eqwpugn'

"

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
GOVERNING BOARD**

Ej ckto cp<" F T0Y K N K O 'C0'DWTMG  
Ur gcngt"qh'yj g'Cuugo dn{ 'Crr qlpvgg"

Xleg'Ej ckto cp<" DGP "DGP QK"  
" Eqwpekl'O go dgt."Y krf qo ct"  
" Ekkgu'qh'Tkxgtukf g'Eqwpv{ "  
O GO DGTU<"

NKUC "DCTVNGVV"  
Uwr gt xkuqt. 'Hkmj 'F kmtlev'  
Eqwpv{ "qh'Qtcpig"

LQG'DWUEC K Q"  
Eqwpekl'O go dgt. '37j 'F kmtlev'  
Ekv{ "qh'Nqu'Cpi grgu'Tgr tgugpvcxg"

O K E J CGN'C0ECEEKQVVK  
Eqwpekl'O go dgt. 'Uqwj 'Rcucf gpc"  
Ekkgu'qh'Nqu'Cpi grgu'Eqwpv{ lGcugtp'Tgi kqp"

XCP GUUC 'F GNI CF Q"  
Ugpcvg'Twrgu'Ego o kvgg'Crr qlpvgg"

LCP KEG'J CJ P  
Uwr gt xkuqt. 'Hqwtj 'F kmtlev'  
Eqwpv{ "qh'Nqu'Cpi grgu"

NCTT[ 'O EECNNQP "  
Oc{qt.'Rtq'Vgo . 'J k j rpf "  
Ekkgu'qh'Ucp'Dgtpctf lkpq'Eqwpv{ "

LWF KJ 'O KVEJ GNN"  
Oc{qt. 'Tqmkpi 'J kmu'Gucvgu"  
Ekkgu'qh'Nqu'Cpi grgu'Eqwpv{ lY guvgtp'Tgi kqp"

X0O CP WGN'RGTG\ "  
Uwr gt xkuqt. 'Hqwtj 'F kmtlev'  
Eqwpv{ "qh'Tkxgtukf g"

F Y K J V'TQDK UQP "  
Eqwpekl'O go dgt. 'Ncng'Hqtguv"  
Ekkgu'qh'Qtcpig'Eqwpv{ "

LCP KEG'TWWJ GTHQTF "  
Uwr gt xkuqt. 'Ugeqpf 'F kmtlev'  
Eqwpv{ "qh'Ucp'Dgtpctf lkpq"

XCECP V"  
I qxgtpqtøu'Crr qlpvgg"

GZGEWKKG'QHHEGT<"

Y C[ PG'PCUVTK

## TABLE OF CONTENTS

### CHAPTER 1: BACKGROUND

K VTQF WE VKQP 'U	3/3
TGI WNCVQT[ 'J KUVQT[ 'U	3/3
J GCNVJ 'GHGEVU'QHCTUGP IE.'ECFO KWO.'CPF 'P IE MGN'U	3/5
P GGF 'HQT'RTQRQUGF 'CO GP F GF 'TWNG'3629'U	3/6
CHGEVGF 'K F WUVTKGU'U	3/6
RWDNIE 'RTQEGUU'U	3/7

### CHAPTER 2: SUMMARY OF PROPOSED AMENDED RULE 1407

K VTQF WE VKQP 'U	4/3
RTQRQUGF 'CO GP F GF 'TWNG'3629'U	4/3
<i>Purpose (Subdivision (a))</i> .....	2-1
<i>Applicability (Subdivision (b))</i> .....	2-1
<i>Definitions (Subdivision (c))</i> .....	2-2
<i>Emission Control Requirements (Subdivision (d))</i> .....	2-3
<i>Housekeeping Requirements (Subdivision (e))</i> .....	2-6
<i>Building Enclosure Requirements (Subdivision (f))</i> .....	2-8
<i>Source Testing Requirements (Subdivision (g))</i> .....	2-11
<i>Material Testing Requirements (Subdivision (h))</i> .....	2-13
<i>Emission Control Device Monitoring (Subdivision (i))</i> .....	2-13
<i>Recordkeeping Requirements (Subdivision (j))</i> .....	2-15
<i>Exemptions (Subdivision (k))</i> .....	2-15
<i>Digestion of Metal Aluminum Sample for Determining Arsenic (Attachment A)</i> .....	2-17
<i>Smoke Test to Demonstrate Capture Efficiency for Emission Collection Systems of an Emission Control Device (Attachment B)</i> .....	2-17

### CHAPTER 3: IMPACT ASSESSMENT

K VTQF WE VKQP 'U	5/3
CHGEVGF 'HCEKNKVGU'U	5/3
EQORNKCP EG'EQUVU'U	5/3
GO KUKQP U'K RCEV'U	5/6
UQEQGEP QO IE 'CUUGUO GP V'U	5/7
ECNKHQTP IC'GP XKTQP O GP VCN'S WCNK[ 'CEV'E'GS C+'U	5/7

[illegible]

<i>Requirements to Make Findings</i> .....	3-5
<i>Necessity</i> .....	3-6
<i>Authority</i> .....	3-6
<i>Clarity</i> .....	3-6
<i>Consistency</i> .....	3-6
<i>Non-Duplication</i> .....	3-6
<i>Reference</i> .....	3-6

EQORCTCV&G'CPCN| UK'5/8

## APPENDIX I: COMMENTS AND RESPONSES

EQO O GP V"NGVVGT"%@C K4

EQO O GP V"NGVVGT"%4 C K6

EQO O GP V"NGVVGT"%5 C K32

EQO O GP V"NGVVGT"%6C K3;

EQO O GP V"NGVVGT"%7 C K45

!!

!!

11

!!

!!

"

## CHAPTER 1: BACKGROUND

---

R VTQF WEVIQP "

TGI WNCVQT[ "J RUVQT[ "

J GCNVJ "GHHGEVU"QH"CTUGP R."ECFO KWO."CPF "P REMGN"

P GGF "HQT"RTQRQUGF "CO GP F GF "TWNG"3629"

CHHGEVGF "R F WUVT KGU"

RWDNR "RTQEGUU"

"

"

"

"

"

"

"

## INTRODUCTION

Rtqr qugf "Co gpf gf "Twr"3629"o'Eqpvtqn'qh'Go kuukqpu'qh'ctugple. 'Ecf o kwo "cpf 'P lengnltqo 'P qp/ Ej tqo kwo "O gcn' O gnkpi "Qr gtcvqpu" \*RCT"3629+" gucdrikuj gu" tgs vkt go gpw" vq" tgf weg" ctugple. " ecf o kwo . "cpf 'plengn' go kuukqpu'htqo "o gcn'o gnkpi "qr gtcvqpu" O RCT"3629" cr r nku'vq' hcekkkku' yj cv' ctg" o gnkpi "o gcn' yj cv' eqpvcip' pq" o qtg" yj cp "207—" "r gtegpv' ej tqo kwo "eqpvgpv. lpenw' lpi . "dw'pqv' rko kgf "vq" cno kpo . "dtcuu. "dtqp| g. "ectdqp" uvggn" cpf " | kpe0' Rqvgpv' kcn' o gcn' o gnkpi "qr gtcvqpu" kpenw' g" uo gnkpi . " vppkpi . " i crkcpk' lpi . " cpf " qy gt" o kuegmcpqgwu" r tqeguugu" y j gtg" o gcn' ctg" r tqeguugf "kp" o qnngp' hqto . "ulpeg" yj gug" qr gtcvqpu" j cxg" yj g' r qvgpv' kcn' vq" go k' uwey "o gcn' go kuukqpu" kp" yj g" hqto "qh" vqzle" ck" eqpwo kpcpvu" cpf " r ctvewrvg" o cwtg0' RCT"3629" gucdrikuj gu" eqpvtqn' ghhekgpe{ " tgs vkt go gpw. " o cuu" go kuukqp" rko ku. " cpf " go kuukqp" eqpvtqn' fgxleg" o qpkqtkpi " tgs vkt go gpw" vq" eqpvtqn' r qkp'v' uqwtg" go kuukqpu. " j qwugnggr kpi " cpf " dwkf lpi " gperquwtg" r tqxkukqpu" vq" rko k' hwi kxg" go kuukqpu. " cpf " uqwtg" vguvki " cpf " tgeqtf nggr kpi " tgs vkt go gpw0' Cf f kkpqcmf . " yj g" o clqtkv' "qh' yj g' ewttgpv' Twr"3629" gz go r vqpu' y knidg' t' gpxkugf "qt' f g' g' v' 0' Qxgtn' dtqcf "gz go r vqpu" yj cv' f q' pqv' eqpukf gt' hcekkk' " yj tqwi j r w" cpf " eqpegpvtcvqpu" qh' ctugple. " ecf o kwo . " cpf " plengn' gz go r vgf "o cp' { " hcekkkku' htqo " Twr"36290' RCT"3629" y knidk k' vj g' co qwpv' qh' eqpwo kpcpvu' kp' yj g" o gcn' o gngf " cpf " gucdrikuj " c' yj tqwi j r w' rko k' vq' s wcrkh' " hq' "gz go r vqpo0'

Kp" O ctej "4239. " yj g' Uqwj "Eqcu" CS O F " cf qr vgf " yj g' Hpcn'4238" Ck " S wcrkv' " O cpci go gpv' Rncp " \*4238" CS O R f 0' Eqpvtqn' qh' Vqzle' Go kuukqpu' htqo " O gcn' O gnkpi " Hcekkkku' \*VZ O /28+ku' c' eqpvtqn' o gcuwg" kp" yj g'4238" CS O R " yj cv' uggm' vq" hwt yj gt " tgf weg" ctugple. " ecf o kwo . " plengn' qy gt " vqzle" o gcn. " cpf " r ctvewrvgu' htqo " hqwpf t { " qr gtcvqpu0' Vj ku' uvcvqpc { " uqwtg" ck " vqzle" eqpvtqn' uvcygi { " ku' pqvtg vkt gf " vq' c' vckp' uvcygt " hgf gtcnco dkgpv' ckt " s wcrkv' " uvcpf ctf u. " cpf " yj wu' ku' pqv' c' eqo o ko gpv' vpf gt " yj g' Ucvg' K r ngo gpvcvq' Rncp0'

## REGULATORY HISTORY

Kp"3; : 5. " yj g' Ecrkhtpkc " Ngi kucwgtg " gucdrikuj gf " Cuugo dn' " Dkni3: 29. " c' vy q/ uvr " r tqegu' vq' kf gpvkh' " vqzle" ck " eqpwo kpcpvu' cpf " vq' r tqr qug " ckt dqtpg " vqzle" eqpvtqn' o gcuwg " CVEO u' hqt " yj g' kf gpvkhgf " vqzle" ck " eqpwo kpcpvu' htqo " ur gekhke " uqwtgu0' Kp " Lcpvct { "3; ; 5. " Ecrkhtpkc " Ck " Tguqwtgu " Dqctf " cf qr vgf " yj g' pqp/ hgttqwu " o gcn' o gnkpi " CVEO "4" cpf " gucdrikuj gf " Lcpvct { "8. "3; ; 6" cu' yj g' ghgevkxg " f cvg " qh' yj g' CVEO0' Vj g' Uqwj " Eqcu" CS O F " y cu' i kxgp " c' O c { " . "3; ; 6" f gcf rkgp " vq' lo r ngo gpv' cpf " gphqteg " yj g' CVEO " qt " vq' r tqr qug " tgi wrcvqpu' lo r ngo gpvki " yj g' CVEO0' Qp' Lwn' { " . "3; ; 6. " yj g' Uqwj " Eqcu" CS O F " cf qr vgf " Twr"3629" o' Eqpvtqn' qh' Go kuukqpu' qh' Ctugple. " Ecf o kwo " cpf " P lengnltqo " P qp/ Hgttqwu " O gcn' O gnkpi " Qr gtcvqpu" \*Twr"3629+" vq' cf f tguu' yj g' eqpvtqn' qh' go kuukqpu' qh' ctugple. " ecf o kwo . " cpf " plengnltqo " pqp/ hgttqwu " o gcn' o gnkpi " qr gtcvqpu' d { " yj g' kpuvcmvq' qh' ckt " r qmwkqp " eqpvtqn' gs vkr o gpv. " r ctco gtle " o qpkqtkpi . " cpf " j qwugnggr kpi " r tcevkgu0' C' yj g' vko g" qh' twrg " cf qr vqpp. " yj gtg " y cu' c' hqewu' qp' pqp/ hgttqwu " o gcn' o gnkpi " qr gtcvqpu' dgecvug " qh' c' hpqy p' r tgupeg " qh' ctugple " cpf " ecf o kwo " cuuqekcvf " y kj " yj ku' uqwtg " ecvgi qt { 0' Dqy " Twr"3629" cpf " yj g' CVEO " gzenw' gf " hgttqwu " o gcn' o gnkpi " ulpeg " k' y cu' dg { qpf " yj g' ueqr g " qh' yj g' kpxgunki cvkp0' K' y cu' yj g'

\*\*\*\*\*

<sup>1</sup> Hpcn'4238" Ck " S wcrkv' " O cpci go gpv' Rncp. " Uqwj " Eqcu" CS O F. " O ctej "4239" [j wr <ly y y & s o f 0 q x l j q o g l c k / s wcrkv' lengcp/ ck/ r rcpukct/ s wcrkv' / o i v r rcp "](#)

<sup>2</sup> P qp/ Hgttqwu " O gcn' O gnkpi " CVEO. " Ecrkhtpkc " Ck " Tguqwtgu " Dqctf. " F gego dgt " 52. " 3; ; : " [j wr u d l c t d c e 0 q x h q z k e u k v e o l o g x c v e o 0 j v o](#)

"

kpvgpqp'qh'Ecrkhtplc'Clk'Tguqwtgu'Dqctf 'vq'gxcnwcvg'vj g'pggf'hqt'r tqr qugf 'eqpvtqni'hqt'hgttqwu' o gvcn'o gmkpi 'qr gtcvkpu'lp'vj g'hwwtg0"

Fwtkpi 'vj g'twrg'f gxnqr o gpv'r tqeguu'hqt'Twrg"36420"o'Go kuukqp'Ucpf ctf u'hqt'Ngcf "cpf "Qvj gt" Vqzle"Clk'Eqpwo kpcpw'ltqo "Neti g'Ngcf/Cekf "Dcwtg {"Tge{enkpi "Hcekkkgu".k'y cu'uggp'vj cv' hwi kkg'go kuukpu'y gtg'c'eqpvtkdwkpi "hcevt'vq'co dkgpv'ngcf "eqpegpvtcvkqp0Hgcukdkkx' "uwf lgu" hqwpf 'vj cv'go kuukqp'eqpvtqni'i tgcvt'vj cp"; ; 'r gtegpv'tgf wkvpu'y qwf "pqv'dg'gzi gevfg 'vq'hwtvj gt' tgf weg' co dkgpv'ngcf "eqpvgp0' Vj wu" Twrg" 36420" eqpvkpu" eqo r tgi gpukxg" j qwugnggr kpi " cpf " dwkf kpi "gpenquwtg'r tqxkukpu'vq'cf f tguu'hwi kkg'go kuukpu'cu'f q'vj g'qvj gt'ngcf 'twrgu. Twrg"3642" o'Go kuukpu'Ucpf ctf "hqt'Ngcf."cpf "Twrg"36420"o'Go kuukpu'Ucpf ctf u'hqt'Ngcf "ltqo "O gvcn' O gmkpi "Hcekkkgu0'Cu'vj g'pqp/ngcf "o gvcn'o gmkpi "eqo r cplqp'twrg."Twrg"3629"cnq'y kn'hqewu"qp" cf f tguukpi 'hwi kkg'go kuukpu'0

Kp"4235."Uqwj "Eqcu'CS O F "uchh'dgi cp'co dkgpv'ckt'o qpkqtkpi "kp'tgur qpug'vq'dwtplki "o gvcnle" qf qt'cpf "o gvcn'r ctvewwv'eqo r rcpw'0Dcugf "qp'vj g'o qpkqtkpi 'tguwuu.'vj gtg'y gtg'y q'o gvcn'qh' eqpegtp<j gzcxcngpv'ej tqo kwo "cpf "plengn'0Kp"4238."uchh'f gr m{ gf "o qpkqtu'cpf "hqwpf "grxcvfg " j gzcxcngpv'ej tqo kwo 'ngxgn0

Uchh'lpkkcvfg 'vj g'twrg'f gxnqr o gpv'r tqeguu'vq'co gpf "Twrg"3629'vq'cf f tguu'vqzle'ckt'eqpwo kpcpv' go kuukpu'ltqo "hgttqwu"o gvcn'o gmkpi "qr gtcvkpu'cpf "vq'hwtvj gt'tgf weg'ctugple."ecf o kwo ."cpf " plengn'ltqo "pqp/hgttqwu"o gvcn'o gmkpi "qr gtcvkpu"\*ewtgpv' "tgi wrcvgf "wpf gt "Twrg"3629+0'Chgt" ugxtgcnly qtnkpi "i tqwr "o ggvkpi u.'kpf wut {"ucngj qrf gtu'tgeqo o gpf gf "vj cv'vj g'twrgo cnkpi 'r tqeguu" dg'ugr ctcvgf 'lpv'pqp/hgttqwu"RCT"3629+cpf "hgttqwu"o gvcn'o gmkpi 'twrgu"Rtqr qugf "Twrg"36290" o'Go kuukpu'qh'Vqzle'Clk'Eqpwo kpcpw'ltqo "Ej tqo kwo "Cm{ "O gmkpi "Qr gtcvkpu"RT"36290+0' Kp wut {"ucngj qrf gtu" j cf "eqo o gpvgf "vj cv' vj gtg" y cu' kpuwhhlekpv' gxf gpeg" vj cv' j gzcxcngpv' ej tqo kwo "y cu'go kwgf "ltqo "o gvcn'o gmkpi "qr gtcvkpu'cpf "y gtg'eqpegtpgf "cdqwc'0qpg/uk g/hku/ cn0"cr r tqcej "ukpeg"vj g{ "dngxg"vj g'v{r g'qh'vqzle'ckt'eqpwo kpcpw'go kwgf "ltqo "pqp/hgttqwu'cpf " hgttqwu"o gvcn'o gmkpi "qr gtcvkpu'y qwf "f khtg"cpf "r tqxkukpu'vq'cf f tguu'vj g'f khtg'gpv'vqzle'ckt" eqpwo kpcpw'uj qwf "cnq" f khtg0' Cf f kkpem{ ."cmj qwi j "ko r ngo gpvcvkp" qh'Twrg"3629"y qwf " eqpewtgpv' "tgf weg"j gzcxcngpv'ej tqo kwo "go kuukpu'ltqo "hgttqwu"o gvcn'o gmkpi "qr gtcvkpu."vj g' ngxgn'qh'eqpvtqni'ku'r tqdcdn' "pqv'uwthlekpv'ukpeg"j gzcxcngpv'ej tqo kwo "ku'c"o qtg'r qvgpv'vqzle'ckt" eqpwo kpcpv'vj cp'ctugple."ecf o kwo ."cpf "plengn'y j kej "ctg"vj g'hqewu'qh'Twrg"36290'Kp'Cr tki423: ." uchh'f gekf gf "vq'dkhtecvg"Twrg"3629"lpv'y q'twrgu'vq'cf f tguu'pqp/eq'ej tqo kwo "cpf "ej tqo kwo " o gmkpi "qr gtcvkpu'pungcf "qh'pqp/hgttqwu'cpf "hgttqwu"o gmkpi "qr gtcvkpu'dgecwug'egtclp'hgttqwu" cm{ u'f q'pqv'eqpckp'ej tqo kwo "cpf "uqo g'pqp/hgttqwu'cm{ u'eqpckp'ej tqo kwo 0Vj ku'f gekukp'j cu' tguwngf "kp'vj g'f gxnqr o gpv'qh'RCT"3629"cpf "RT"362900"

RCT"3629"gzr cpf u'vj g'cr r rcdclrkx' "qh'Twrg"3629"dg{ qpf "vj g'CVEO "d{ 'lpenmf kpi 'uvgn'cu'y gni'cu' vj g'pqp/hgttqwu"o gvcn'r tgxkqwu' "eqxgtgf 0'Vj g'ueqr g'qh'vj g'gz go r vkpu'y kn'cnq"dg"rko kgf ." tguwnkpi "kp"o qtg' hcekkkgu' uwdlgev' vq" vj g'tgs vktgo gpw'qh' vj g'twrg0' Vj g'tgs vktgo gpw'ctg" utgpi vj gpgf "d{ 'lpenmf kpi 'dwkf kpi "gpenquwtg'tgs vktgo gpw'cu'y gni'cu'gpj cpekpi "j qwugnggr kpi "cpf " r ctco gtle"o qpkqtkpi 0'Vj g'r qkp'v'uwteg'eqpvtqni'lpkklcm{ "y kn'tgo clp"vj g'uco g="kp"4243."vj g'

3 Hpcn'Uchh'Tgr qtv' Rtqr qugf "Co gpf gf "Twrg"36420"o'Go kuukqp'Ucpf ctf u'hqt'Ngcf "cpf "Qvj gt"Vqzle"Clk' Eqpwo kpcpw' ltqo "Neti g'Ngcf/Cekf "Dcwtg {"Tge{enkpi "Hcekkkgu." Uqwj "Eqcu' CS O F." Hgtwtet {" 4237" [j wr <ly y y 0s o f 0 qx lf qeulf ghcwu/uqwtg lCi gpf cu ll qxgtplpi /Dqctf 42374237/o ct8/24: 0 f hAhtup?34"](#)

4 Retco qwpv' o' Qpi qkpi " Clk" O qpkqtkpi " Cevkxkkgu." Uqwj " Eqcu' CS O F." ceeguugf " Lxpg" 423; ." [j wr <ly y y 0s o f 0 qx lf qo glpgy u/gxgpwleqo o wplk /kpxguni cvkpuclt/o qpkqtkpi /cevxxkkgu](#)



Ugr vgo dgt"423; "

"

**NEED FOR PROPOSED AMENDED RULE 1407**

Twrq"3629"j cu"e"O gvcn'qt"Cmq { "Rwtkv { "Gz go r vqp"jy cv'gz go r w'hcekklkgu'htqo "o quv'r tqxkukqpu'qh" Twr"3629"kh'yj g { "o gg'vj g'etkgtkc00 quv'hcekklkgu'ewtgpw { "uwdlgev'vq"Twr"3629"ctg'gz go r vhtqo " o quv'qh'yj g'r tqxkukqpu'f wg"vq"jy g"O gvcn'qt"Cmq { "Rwtkv { "Gz go r vqp"lp"r ctei tcr j "k\*4+"cpf "jy g" Engcp"Cnwo kpwo "Ueter "Gz go r vqp"lp"r ctei tcr j "k\*5+0Vj g"O gvcn'qt"Cmq { "Rwtkv { "Gz go r vqp"jy cu" pq"jy tqwi j r w' rko kcvkqp0' Vj gtghqtg. "hcekklkgu" o gmkpi "xgt { "ncti g" co qwpw"qh" tgrvkgxgn { "ny " eqpvco kpcpv'o gvcn'jy cxg"jy g'r qvgpvkcn'vq"r qug"e'tkum'vq"jy g'uwtqwpf kpi "eqo o wpkv { 0Nkngy kug. "jy g" Engcp"Cnwo kpwo "Ueter "gz go r vqp" f qgu"pqv'kpenwf g"rko kcvkqp"ht"ctugple. "ecf o kwo . "qt"plengn' eqpvcp0' Vj g"ueter "o c { "eqpvcp"vqzke"ct" eqpvco kpcpv"jy cv'kpetgcug"tkum'vq"jy g"uwtqwpf kpi " eqo o wpkv { 0Vj gug"qxgtn { "dtqcf "gz go r vqpu'ctg"cf f tguugf "lp'Rtqr qugf "Co gpf gf "Twr"3629"RCT" 3629+0'

**AFFECTED INDUSTRIES**

Cr r tqzko cvgn { "76-82" hcekklkgu'ctg"gzr gewf "vq"dg"ko r cev'f d { "RCT"36290Vcdng"3/4"dtgcm'f qy p" jy g"pwo dgt"qh'hcekklkgu'd { "P qt'y "Co gtlecp"kp f wut { "Encuuklec vqp"U { ugo "P C E U"eqf g0'Vj g" hcekklkgu'ctg"hqwpf tkgu"qt"o gvcn'ecukpi "dwukpguugu"i gpgtcm { "encuukhgf "wpf gt"jy g"P C E U"eqf g" 553ZZZ. "kpenwf kpi <

- 5534ZZ "o"Uygn'Rtqf wev'O cpwhcewtkpi "htqo "Rwtej cugf "Uygn"
- 5535ZZ "o"Cnwo kpc"cpf "Cnwo kpwo "Rtqf wev'kqp"cpf "Rtqeguukpi =cpf "
- 5537ZZ "o"Hqwpf tkgu0'

**Table 1-2: Types of Facilities Subject to PAR 1407**

NAICS Code	Facility Type	Number of Facilities
553443"	I cnkcpk kpi "qh'o gvcn'u'yggn"wdkpi "	3"
553444"	F tcy kpi "uygn'y ktg"cpf "i cnkcpk kpi "	5"
553536"	Cnwo kpwo "cmq { u'o cf g'htqo "ueter "qt'f tqul" Ugeqpf ct { "uo gmkpi "cpf "cmq { kpi "qh'cnwo kpwo "	7"
553733"	Kqp"Hqwpf t { "	78"
553735"	Uygn'Ecuukpi "	3"
553745"	P qp/hgttqwu"o gvcn'f kg/ecuukpi "hqwpf tkgu"" *gzegr v'Cnwo kpwo +	3435"
553746"	Cnwo kpwo "hqwpf tkgulecuukpi u"*gzegr v'f kg/ecuukpi +"	4647"
55374; "	Qjy gt"pqp/hgttqwu"o gvcn'hqwpf tkgu. "kpenwf kpi "dtcuu"cpf " dtqpl g"*gzegr v'f kg/ecuukpi +0' kpe"kpi qv'o cpwhcewtkpi "	4"
554333"	O gmkpi "qh'cmq { "uygn'vq"o cpwhcewtg" f kg'htti kpi u"	3"
558622"	Cgtqr ceg"	5"
<b>Total Number of Facilities</b>		<b>5460</b>

"

Ugeqpf ct { "uo gmkpi "qh'cnwo kpwo "ku'yj g'r tqegu'qh'tgeqxgtkpi "cnwo kpwo "htqo "cnwo kpwo "ueter "cpf " o cnkpi "cnwo kpwo "dkngw"qt" kpi qu0'Hqwpf tkgu'r tqf weg'o gvcn'ecukpi u'lp'y j kej "jy g'o qngp"o gvcn'ku"

"

r qwtgf "lpvq" c"o qrf "cpf "cmqy gf "vq"uqrf kh{ O'Qr gtcvkpu"vj cv'ecuv'o qnpg'o gvcn'lpvq"xctkquw'r ctvu" cpf "rtqf wev'ctg"qhngp'emukhgf "d{ "vj g"v' r g"qh'r ctv'vj g{ "o cpw'zewt g0"

O kmu"cpf "hqwpf tkgu"o gn'cpf "ecuv'o gvcn'cmq{ u0'Vj gug"cmq{ u"ctg" c"eqo dlpvcqp"qh"o gvcn'cpf " grgo gpvu"vj cv'r tqxkf g"s wcrkkgu"uwej "cu"eqttqukqp"tgukwcepg"qt"o gej cplecn'utgpi vj O'Ego o qp" cnwo kpwo "cmq{ kpi "grgo gpvu"kpemf g"eqr r gt."o ci pgukwo ."o cpi cpgug."ukleqp."vlp."cpf " | kpe0' Ego o qp"uyggn'cmq{ kpi "grgo gpvu"kpemf g"o qn{ df gpwo ."ukleqp."o cpi cpgug."plengn"dqtqp."cpf " xcpkf kwo O' Cpqvj gt"eqo o qp"uyggn'cmq{ "o cvgtkcn'ku"ej tqo kwo O'J qy gxgt."o cvgtkcn'y kj "i tgcvgt" vj cp"207—"r gtegpv"ej tqo kwo "y kn'dg"uwdlgev"vq"Rtqr qugf "Twrq"36290"o"Go kuukqpu"qh"Vqzle"Ckt" Eqpvco kpcpvu'htqo "Ej tqo kwo "Cmq{ "O gnkpi "Qr gtcvkpu"RT"36290-0"

Gxgp"y j gp" c"r wtg"o gvcn'ku"o gmgf ."k"qhngp"eqpvckpu"tceg"eqpvco kpcvkqp"qh"qy gt"o gvcn'qt" grgo gpvu0'O gnkpi "Vj g"o gvcn'qt- "cmq{ -"et"eqpvckpki "eqpvco kpcvkqp"ecp"eqpvckpki"qzle"ckt" eqpvco kpcpvu0'Ctugple."ecf o kwo ."cpf "plengn'o c{ "dg"hqwpf "cu"cp"cmq{ cpv'qt"cu"eqpvco kpcpvu0' O gvcn'go kuukqpu"o c{ "qeewt"fwtkpi "o gvcn'o gnkpi ."tcpuhgttkpi ."r qwtkpi ."cpf "ucpf "tgerco cvkqp0' O gvcn'go kuukqpu"o c{ "cmq"qeewt"fwtkpi "ecuvkpi "uj cngqwy"j gp"vj g"ecuvkpi "ku'htggf"htqo "vj g"o qrf O' O gej cplecn'hkpi kpi "qr gtcvkpu."kpemf kpi "ewwki "cpf "i tkpf kpi ."o c{ "go k'r ctvewwv'gu'r quukdn{ " eqpvckpki "qzle"ckt"eqpvco kpcpvu0'hw kkg"go kuukqpu"o c{ "tguwv'htqo "etwuj kpi ."i tkpf kpi ."j cpf kpi " qh'o cvgtkcn."o gnkpi ."cpf "r qqt"qt"ko r tqr gt"j qwugnggr kpi "o gvj qf u0'Qvj gt"r qvgpvkn'uqwtugu"qh" go kuukqpu"ctg"tg/gpvtckpo gpv'qh'uwt hceg"f wuv"d{ "hqv"cpf "xgj keng"vchke"kp"ctgeu"qh"vj g"heckkv{ " y j gtg"o gvcn'eqpvckpki "r ctvewwv"o cwtg"j cu'dggp"f gr quukgf O'Ncuw{ ."go kuukqpu"o c{ "qeewt"htqo " vj g"eqngewkqp"r qkpu"qh"cp"go kuukqp"eqpvckpki"qzle"ckt"eqpvco kpcpvu"htqo "Ej tqo kwo "Cmq{ "O gnkpi "Qr gtcvkpu"RT"36290-0"

Vj g'76"82"heckkvkku"uwdlgev"vq"RCT"3629"y gtg'kf gpv'htgf "d{ "tgxkgy kpi "Uqwj "Eqcu"CS O F "r gto ku" hqt"htpcegu."tgxkgy kpi "Uqwj "Eqcu"CS O F "kpur gev'kqp"tgr qtu"htq"o gvcn'o gnkpi "heckkvkku." ugtej kpi "y gdukgu"htq"heckkvkku"vj cv'qhhtg"o gvcn'o gnkpi "ugt'xlegu0'heckkvkku"vj cv'eqpf wev'j gev' vtgev'kpi "qt"qy gt"o gvcn'qtnkpi "qr gtcvkqp"dw'f q"pqv'o gn'vj g"o gvcn'y gtg"gzemf gf O'Cf f kkpemf ." heckkvkku"vj cv'b gn'b gvcn'eqpvckpki "ej tqo kwo "y gtg"gzemf gf "cu'vj g{ "y kn'dg"uwdlgev"vq"RT"362900' Nngy kug."heckkvkku"vj cv'b gn'b gvcn'eqpvckpki "hgcf "y gtg"gzemf gf "cu'vj g{ "ctg"uwdlgev"vq"Twrg"3642" o"Go kuukqpu"Ucpf ctf "htq"Ngcf ."Twrg"36420"o"Go kuukqp"Ucpf ctf u'htq"Ngcf "cpf "Qvj gt"Vqzle"Ckt" Eqpvco kpcpvu'htqo "Ncti g'Ngcf/Cekf "Dcwtg{ "heckkvkku."qt"Twrg"36420"o"Go kuukqpu"Ucpf ctf u'htq" Ngcf "htqo "O gvcn'O gnkpi "heckkvkku0"

## PUBLIC PROCESS

RCT"3629"ku'dgkpi "f gxgnr gf "vj tqwi j "c"r wdike"r tqegu0'C"y qtnkpi "i tqwr "y cu'htqo gf "vq"r tqxkf g" vj g'r wdike"cpf "uvcngj qrf gtu'cp"qr r qtwpkv{ "vq"r kuewuu"vj g'r tqr qugf "twrg"co gpf o gpv'cpf "vq"r tqxkf g" vj g'Uqwj "Eqcu"CS O F "uchh'y kj "lpr w'f wtkpi "vj g'twrg"i gxgnr o gpv'r tqegu0'Vj g"Y qtnkpi "I tqwr " ku'eqo r tkugf "qh'tgr tguvpw'vkgu"htqo "lpf wut{ ."eqpuwncpvu."ci gpe{ "tgr tguvpw'vkgu."gpv'kqpo gpv'n' i tqwr u."cpf "eqo o wpkv{ "i tqwr u0'Vj g"Y qtnkpi "I tqwr "qtki kpcm{ "o gv'wpf gt"Rtqr qugf "Co gpf gf " Twrg"3629"cpf "j cf "hqwt"Y qtnkpi "I tqwr "O ggkpi u0'Dcugf "qp"lpf wut{ "uvcngj qrf gt"lpr wv."Rtqr qugf " Co gpf gf "Twrg"3629"y cu'ugr ctevgf "lpvq"y q"twrgo cnkpi u<"Rtqr qugf "Co gpf gf "Twrg"3629"\*pqp/ ej tqo kwo "o gvcn'o gnkpi +"cpf "Rtqr qugf "Twrg"36290"\*ej tqo kwo "o gvcn'o gnkpi -0'Uvcngj qrf gtu" tgs wguvf "vj g"dkh'wecv'kqp"dgecwug"vj g"tgs vkt go gpv'htq"eqpvckpki"qp"ej tqo kwo "o gvcn'o gnkpi "ctg" rkngr "vq"dg"uki plh'cepvu" f khtg'gpv0'Uchh'j cu"j grf "h'xg"cf f kkpemf RCT"3629"Y qtnkpi "I tqwr " O ggkpi u'ukpeg"vj g'twrgo cnkpi "gh'htv'j cu'dggp"dkh'wecv'kqp"lpvq"RCT"3629"cpf "RT"362900'Vj g'plpg" Y qtnkpi "I tqwr "O ggkpi u'htq"RCT"3629"y gtg"cmj grf "cv'vj g"Uqwj "Eqcu"CS O F "J gcf s wctvgtu"lp"

"

F lco qpf "Dct"qp"y g"lqmqy lpi "f cvgu<Ugr vgo dgt"7."4239."P qxgo dgt"; ."4239."Lcpwet{"52."423: ." Cr tkl47."423: ."Lwn{"3; ."423: ."Cwi wuv52."423: ."O ctej "34."423; ."O c{"45."423; ."cpf "Lwn{"39."423; 0' C"Rwdrlk"Y qtmij qr "y cu"j grf "qp"Lxpg"3; ."423; 0Uchh'cnuq"eqpf wvgrf "ukvg"xkuku"q"52"qh'y j g"76"82" chhgevgrf "hcekrkkgu0'

"

" "

"

"

## CHAPTER 2: SUMMARY OF PROPOSED AMENDED RULE 1407

---

RP VTQF WEVIQP "

RTQRQUGF "CO GP F GF "TWNG"3629"

" Rwt r qug"\*Uwdf kxkukqp"\*c++"  
" Crr r necdkrk\ "\*Uwdf kxkukqp"\*d++"  
" F ghkpkqp"\*Uwdf kxkukqp"\*e++"  
" Go kxkukqp"Eqpwtqri"Tgs wkt go gpw"\*Uwdf kxkukqp"\*f++"  
" J qwugnggr kpi "Tgs wkt go gpw"\*Uwdf kxkukqp"\*g++"  
" Dwktf kpi "Gperquwtg"Tgs wkt go gpw"\*Uwdf kxkukqp"\*h++"  
" Uqwtg"Vgukpi "Tgs wkt go gpw"\*Uwdf kxkukqp"\*i++"  
" O cvgtkri"Vgukpi "Tgs wkt go gpw"\*Uwdf kxkukqp"\*j++"  
" Go kxkukqp"EqpwtqriF gxleg'O qpkqtkpi "\*Uwdf kxkukqp"\*k++"  
" Tgeqtf nggr kpi "Tgs wkt go gpw"\*Uwdf kxkukqp"\*l++"  
" Gz go r vkpu"\*Uwdf kxkukqp"\*m++"  
" F ki guvqp"qh'O gveniCnwo kpwo "Uco r ng"\*Cwcej o gpv"C+ "  
" Rgtkqf ke"Uo qng"Vguv"\*Cwcej o gpv"D+ "  
"

"

## INTRODUCTION

Rtqr qugf "Co gpf gf "Twg"3629"RCT"3629+"gucdrkuj gu'tgs vkt go gpw'ht "eqpvtqmki "go kuukpu"qh" ctugple."ecf o kwo ."cpf "plengn'htqo "pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkpu."kpenmf kpi "r qkp'v uqwtg"eqpvtqn'tgs vkt go gpw."j qwugnggr kpi "cpf "dwrk'kpi "gpenquwtg"tgs vkt go gpw."kp"cf f kkkp"vq" uqwtg'vukpi "cpf "tgeqtf nggr kpi "tgs vkt go gpw00 cp { "qh'yj g'r tqxkuukpu'kp"RCT"3629"ctg'dcugf "qp" uko krc'v'r gu'qh'r tqxkuukpu'wugf 'htq"Twgu"3642"6"Go kuukpu'Ucpf ctf 'htq'Ngcf."36420"6"Go kuukp" Ucpf ctf u'htq'Ngcf "cpf "Qvj gt "Vqzke"Clk"Eqpwo kpcpv'htqo "Ncti g'Ngcf /Cekf "Dewgt { "Tge {enkpi " Hcekrkku."36420"6"Go kuukp'Ucpf ctf u'htq'Ngcf 'htqo "O gvcn'O gmkpi "Hcekrkku."cpf "3652"6"Eqpvtqn' qh'Go kuukpu'htqo "O gvcn'I tlpf kpi "Qr gtcvkpu"cv'O gvcn'htqo kpi "Hcekrkku."y j kej "y gtg"tgegpv { " cf qr vgf "qt"co gpf gf 0Vj g'o clqtkv'qh'yj g'ewtgpv"Twg"3629"gz go r vkpu'y knidg'tgxkugf "qt"t'grgvf 0' Vj gug"gz go r vkpu"ctg"qxgtv { "dtqcf "cpf "f q"pqv'vcng"kpq"eqpukf gtcvkp"hekrk { "y tqwi j r w"qt" eqpegpvtcvkpu'qh'ctugple."ecf o kwo ."cpf "plengn'y j kej "ctg'yj g'hqewu'qh"Twg"36290"

## PROPOSED AMENDED RULE 1407

### *Purpose (Subdivision (a))*

Vj g'r vtr qug"qh"RCT"3629"ku"vq"tgf weg'r tqeguu"cpf "hwi kkkxg"go kuukpu"qh'ctugple."ecf o kwo ."cpf " plengn"y j gtgd { "o kpklo k kpi "r wrke"j gcnj "ko r cew'd { "tgf wekpi "gxr quwtg"vq"vqzke"clt"eqpwo kpcpv'0' Hcekrkku"cpf "qr gtcvkpu'uwdlgev"vq"RCT"3629"kpemf g'pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkpu"cv" uo gngtu."hqvpf tkgu."f kg/ecungtu."i cnckpk kpi " cpf " vkpki " eqcvkpi " qr gtcvkpu" cpf " cnq" htqo " r tqeguugu'yj cv'eqpf wev'fkr "uqrf gtkpi ."dtcl kpi "cpf "cnwo kpwo "r qy f gt'eqcvkpi "r tqf wevkp0"

### *Applicability (Subdivision (b))*

Twg"3629"ewtgpv { "cr r nku"qpn { "vq"pqp/hgttqwu"o gvcn'o gmkpi "cr r nckvkuu0'kpkcm { ."f wtkpi "y j g" twg"t'gxgnr o gpv'r tqeguu."qpg"cr r tqcej "y cu"vq"gzr cpf "Twg"3629"vq"cr r n { "vq"cm'o gvcn'o gmkpi " qr gtcvkpu"pqp/hgttqwu"cpf "hgttqwu"cpf "kpenmf g'j gzcxcrgpv'ej tqo kwo "cu"vqzke"clt"eqpwo kpcpv' qh'eqpegtp0'kpf wmt { "tgs wugvf "ugr ctevkpi "y j g"twgu"dgecvug"y j gtg"y cu"kpwwhkegpv'gxkf gpeg"y j cv' j gzcxcrgpv'ej tqo kwo "y cu"go kwgf "htqo "o gvcn'o gmkpi "qr gtcvkpu"cpf "y j cv'yj g"v'r g'qh'vqzke"clt" eqpwo kpcpv' go kwgf " htqo " pqp/hgttqwu" cpf " hgttqwu" o gvcn' o gmkpi " qr gtcvkpu" eqwrf " f hgt" uki pkkcpv { 0"

Uchh'ci tggf "vq"dkwtecvg'yj g'r tqr qugf "twgu."dw'f kf "uq'dcugf "qp"y j g'ej tqo kwo "eqpvgpv'kp"y j g'o gvcn' qt"cmq { 0J gzcxcrgpv'ej tqo kwo "j cu"vq"cepegt'r qvpe { "hcevt"y j cv'ku'qpg'qt"o qtg'qtf gtu'qh'o ci pkw'f g" j ki j gt"y j cp"ctugple."ecf o kwo ."qt"plengn'0'Vj wu"go kuukpu"qh"j gzcxcrgpv'ej tqo kwo "y qwrf "rkngn { " pggf "o qtg"utkpi gpv'eqpvtqn"y j cp"qy j gt"o gvcn'vqzke"clt"eqpwo kpcpv'0'Kqp"eqpvgpv"htgttqwu"cpf " pqp/hgttqwu"ku"pqv'cp"lpf lecvqt"qh'ej tqo kwo "eqpvgpv."cu"uwr gtcmq { u"ctg"pqp/hgttqwu"cmq { u'y kj " j ki j "rgxgn"qh'ej tqo kwo ."y j kg"ktq"cpf "ectdqp"uvgnj cxg"j ki j "ktq"eqpvgpv."dw'ctg"gzr gev'f "vq" j cxg"qpn { "tceg"ej tqo kwo "eqpvgpv'cu"ko r wtkku0"

Uchh'tgxkgy gf "y j g'eqo r qukkp"qh'o gvcn'cmq { u0'Uchh'f gvgto kpgf "y j cv'cnwo kpwo "cmq { u"j cxg'rguu" y j cp"206—"r gtegpv'ej tqo kwo "eqpvgpv'y kj "Cnwo kpwo "8288"dgkpi "y j g"cnwo kpwo "cmq { u"y kj "y j g" j ki j guv' ej tqo kwo "eqpvgpv'0' Dtcuu."dtqpl g."cpf " ngcf " cmq { u" ctg" gzr gev'f "vq" j cxg" qpn { " tceg" eqpwo kpcpv's wcpvkkgu"qh'ej tqo kwo 0'Ectdqp"uvgnj cpf "ktq"j cxg"pq"o kpklo wo "ur gekhcevkpu'htq" ej tqo kwo ."dw'ctg"cnq"gzr gev'f "vq"j cxg"qpn { "tceg"eqpwo kpcpv'0'Cmq { "uvgn"uclp'rguu"uvgn"cpf " uwr gtcmq { u"ctg"gzr gev'f "vq"j cxg"v'ej tqo kwo "eqpvgpv'i tgcvt"y j cp"206—0'r gtegpv'0'Vj gtghqtg."RCT" 3629"y kn'cr r n { "vq"pqp/ej tqo kwo "cmq { u."y j kej "ku"f ghkpgf "cu"cp { "o gvcn'yj cv'eqpvcv'p'ngui"y j cp" 207—"r gtegpv'ej tqo kwo "d { "y gki j v'cu"f gvgto kpgf "qp"v'wctvgtv { "y gki j vgf "cxgtci g0Gs wkr o gpv'qt"

"

qr gtcvkqpu"vj cv"j cxg"i tgcvt"vj cp"207"r gtegpv'd { "y gli j v"qp"cxgtci g'y km'dg"uwdlgev"vq"RT"36290" cpf "uj cm'dg"gzgo r vltqo "cm'qh"vj g'tgs vltgo gpw'qh"RCT"36290Ej tqo kwo "cmq { u'y km'dg"cf f tguugf " kp"e"ugr ctcvg"twrg."RT"36290."

Y kj "vj g"cf qr vkp"qh"Rtqr qugf "Twrg"36290"cpf "Rtqr qugf "Co gpf gf "Twrg"3629."o gvcn'o gmkpi " qr gtcvkqpu"y km'dg"tgi wrcvgf "d { "o gvcn'qt"cmq { "cu" f gr kvvgf "kp"Hi wtg"4/3"dgngy 0"

Figure 2-1: South Coast AQMD Rules by Metal Type

Al & Al Alloys	Carbon Steel	Brass	Bronze	Lead	Stainless Steel	Alloy Steel	Superalloy
< 0.5% chromium	No minimum specification for chromium	Trace levels of chromium only	Trace levels of chromium only	Trace levels of chromium only	≥ 0.5% chromium	≥ 0.5% chromium	≥ 0.5% chromium
PAR 1407	PAR 1407	Rule 1420 or PAR 1407	Rule 1420 or PAR 1407	Rule 1420	PR 1407.1	PR 1407.1	PR 1407.1

"

Vj g'r tqr qugf "cr r rlecdkx { "hqt"RCT"3629"ku"cu"hgmgq u<"

*This rule applies to an owner or operator of a facility conducting non-chromium metal melting operation(s) including, but not limited to, smelters (primary and secondary), foundries, die-casters, coating processes (galvanizing and tinning), and other miscellaneous processes such as dip soldering, brazing, and aluminum powder production.*

### Definitions (Subdivision (c))

RCT"3629"lpenmf gu"pgy "qt"o qf kkgf "f ghpkkqpu0Vj g" f ghpkkqpu"wgf "o clpvclp"eqpukvgpe { "y kj " qvj gt"Uqwj "Eqcu"CS O F "vqzleu"twrgu0Vj g" f ghpkkqpu"hgq"non-chromium metal."cu"any metal that contains less than 0.5 percent by weight total chromium content as determined on a ~~monthly~~ quarterly weighted average."j cu"dggp"lpenmf gf "vq"cf f tguu"vj g'tgxkukqp"kp"cr r rlecdkx { "htqo "öpqp/hgttqwu"o gvcn'o gmkpi "qr gtcvkqpu"vq"öpqp/ej tqo kwo ö"o gvcn'o gmkpi "qr gtcvkqpu0"

Ewtgpn { "Twrg"3629"go kuukqp"eqpvtqn'tgs vltgo gpw"ctg"dcugf "qp"r ctvewrcvg"o cvgt0RCT"3629" y km' guvcdnkuj " go kuukqp" uvpf ctf u" ur gekkccm { "hqt" ctugple."ecf o kwo " cpf " plengn" tcvj gt" vj cp" r ctvewrcvg"go kuukqpu."vj gtghqtg."f ghpkkqpu"tghgtgpekp" r ctvewrcvg"o cvgt"cpf "r ctvewrcvg"o cvgt" eqpvtqn'qwnkpgf "kp"vj g"ewttgpn"twrg"j cxg"dggp"tgxkugf "vq"tghngev"vj gug"ej cpi gu0Rngcug"tghgt"vq" uwdf kxkukqp"e+"qh"RCT"36290Hi wtg"4/4"huu"vj g"pgy ."o qf kkgf ."cpf "f gngvgf "f ghpkkqpu0"

Figure 2-2: Definition Revisions

Cf f kpi	O qf kh{ kpi	Tgo qxkpi
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cr r tqxgf "Ergecpkpi "	<input type="checkbox"/> Go kuukqp "Eqmgevkap"U{ ugo	<input type="checkbox"/> F knt lev
<input type="checkbox"/> O gj qf u		
<input type="checkbox"/> Dci "NgcmF gvgevkap"U{ ugo	<input type="checkbox"/> Hcekrk{	<input type="checkbox"/> Go kuukqp "Rqkp v
<input type="checkbox"/> Dwkf kpi "Gperquwt g	<input type="checkbox"/> Hwi kxg "Go kuukpu"	<input type="checkbox"/> Hkp g "Rct vkwrcv g"O cwtg
<input type="checkbox"/> Ecr wtg "Xgmek{	<input type="checkbox"/> *Hwi kxg "O gvcnF wuv"	<input type="checkbox"/> Hwi kxg "Go kuukpu"Eqptqn
<input type="checkbox"/> Ewuxo gt "Tgwtpu	<input type="checkbox"/> Go kuukpu+	
<input type="checkbox"/> Go kuukqp "EqptqnF gxleg	<input type="checkbox"/> O gvcn "O gnikpi "Hwtpceg	<input type="checkbox"/> I qqf "Qr gtcv kpi "Rtcevlegu
<input type="checkbox"/> Gperquwt g "Qr gplkpi	<input type="checkbox"/> Tgtwp "Ueter	<input type="checkbox"/> J ctf "Ngcf
<input type="checkbox"/> Hqwpf t {	<input type="checkbox"/> Ueter	<input type="checkbox"/> P qp/Hgttquw "O gvcn
<input type="checkbox"/> Hwpevkpcmf "Uo krt "		<input type="checkbox"/> Rct vkwrcv g"O cwtg
<input type="checkbox"/> Hwtpceg		<input type="checkbox"/> Rct vkwrcv g"O cwtg "Eqptqn
<input type="checkbox"/> Nqy "Rtguwt g"U r tc {		<input type="checkbox"/> U{ ugo
<input type="checkbox"/> O gvcnEwukpi		<input type="checkbox"/> Rgtuqp
<input type="checkbox"/> O gvcnI tlpf kpi		<input type="checkbox"/> Rtqegu "Go kuukqp "Eqptqn
<input type="checkbox"/> O gvcnTgo qxcnHwkf		<input type="checkbox"/> Rwtg "Ngcf
<input type="checkbox"/> P qp/Ej tqo kwo "O gvcn		<input type="checkbox"/> V{r g "O gvcn

**Emission Control Requirements (Subdivision (d))**

Twrg"3629"ewttgpn{ "lpenf gu" c"r tqxkukqp" y cvtgs wktgu" y g" i cu" utgco "htqo "cp" go kuukqp "eqmgevkap" u{ ugo "dg" xgpvgf "vq" c" eqptqnF gxleg" y cvtgf wegu" r ct vkwrcv g" go kuukpu" d{ " ; ; "r gtegpvqt" o qtg" d{ " y gk j v0Cf f kkpccmf . "kh" y g" vgo r gtcwtg "qh" y g" i cu" utgco "gzeggf u" 582 f gi tgg u" Hcj tgpj gkx" y gp" y g" eqptqnF gxleg" o wuvj cxg" c" eqptqnF hhekppe { "qh" ; ; "r gtegpvqt" o qtg" hqt "eqptqnkpi "ctugple" cpf " ecf o kwo "go kuukpu0Vj gug'tgs wktgo gpw'y kn'dg't gxc kpgf "wpvkn'y g'hcekrk{ "o ggw'y g'pgy "go kuukqp" eqptqnF tgs wktgo gpw'lp'r ctc i ter j " \*f +\*5+"qt " \*f +\*6+"y j lej "uj cm'dg" o gv'qp" qt "dghqtg" Lcpwct { "3. 42430" Vj ku" gpw'tgu" y cv'hcekrkku" uwdlgev" vq "Twrg"3629" y kn'gkj gt "dg" uwdlgev" vq" y g" gzku kpi "tgs wktgo gpw' qt "dg" uwdlgev" vq" y g'pgy "tgs wktgo gpw'0"

RCT"3629" y kn'r meg" ur gekhle "go r j cuku" qp" y g" eqptqnF qh" ctugple. "ecf o kwo . "cpf "plengr0Vj g'pgy " go kuukqp "eqptqnF tgs wktgo gpv'y kn'tgs wktg" go kuukpu" htqo "c" pqp/ ej tqo kwo "o gvcn" o gnikpi "hwtpceg" vq" gkj gt "o gg'v" c" eqptqnF hhekppe { "r gt "hwtpceg" qt "cp" ci i tgi cvg" o cuu" go kuukqp "rko k/ hqt "gcej "vzle" ckt "eqpco lpcpvlpf kxf wcm{ 0Qy pgt "qt" qr gtcvqtu" o wuv" dg" ev" qt "dgmy" <"

- Oggv'c ; ; ' "eqptqnF hhekppe { "qh" ctugple" qt "dg" cv" qt "dgmy" y g" ci i tgi cvg" o cuu" go kuukqp " rko k/ htqo "cm'pqp/ ej tqo kwo "o gvcn" o gnikpi "hwtpceg" u" cpf "cuuqekcvgf "go kuukqp" eqptqnF f gxlegu" qh" 2022288" r qwpf u" r gt "j qwt "qh" ctugple="



"

- O ggv'c"; ; ' "eqpvtqn'ghhekgpe{"qh'ecf o kwo "qt"dg'cv'qt"dgmy "vj g'ci i tgi cvg'o cuu'go kuukqp" rko k'htqo "cm'pqp/ ej tqo kwo "o gvcn'o gnkpi "hwtpegu'cpf "cuuqekcvgf "go kuukqp"eqpvtqn' f gxlegu'qh"2022736'r qwpf u'r gt'j qwt'qh'ecf o kwo =cpf "
- O ggv'c"; ; ' "eqpvtqn'ghhekgpe{"qh'plengn'qt"dg'cv'qt"dgmy "vj g'ci i tgi cvg'o cuu'go kuukqp" rko k'htqo "cm'pqp/ ej tqo kwo "o gvcn'o gnkpi "hwtpegu'cpf "cuuqekcvgf "go kuukqp"eqpvtqn' f gxlegu'2022: 6: "r qwpf u'r gt'j qwt'qh'plengn'o

Vj g'ctugple.'ecf o kwo . 'cpf 'plengn'ci i tgi cvg'o cuu'go kuukqp'tcvgu'y gtg'f gxgnr gf 'htqo 'f gvgto kpkpi " vj g'ecpegt'tkum'htqo 'cxckndng'uqwtg'v'gukpi 'f cv'hqt'uncemj gki j v.'dwkf kpi 'r ctco gvgtu.'cpf 'gzj cwuv' hqy 'tvcgu'vj cv'{'kgrf "vj g'rcuv'co qwpv'qh'f kur gtukqp'tguwnkpi "kp"j ki j gt'j genj "tkum'0Vj g'cpcn'uku' cuuwo gu'vj g'pgctgu'tgegr vqt'ku'qecv'f'f qy py kpf 0Vj g'go kuukqp'tcvgu'ctg'c'eqpugt'xcv'xg'guko cvg' dcugf "qp" c'uetggplpi "ecpegt'tkum'qh'47"kp"qpg'o knkqp'hqt'c'tgegr vqt'qecv'f'322"o gvgtu'htqo "vj g' uqwtg0"

Vj g'hcekx'{"j cu'vj g'qr vkp'vq'f go qpuctvg'eqo r rkepeg'hqt'gcej "r qmwcpv'kpf kxf wcm'0D{"f ghcwv' "vj g'r qmwcpv'u'uj cm'dg'eqpvtqmgf "vq"; ; "r gtegpv'gcej 0'Qr vkpcm'."gcej "r qmwcpv'o c{"o ggv'cp" ci i tgi cvg'o cuu'go kuukqp"rko k0'Hqt"gzco r rg."c'hwtpege'ecp"j cxg" c'eqpvtqn'f gxleg'vj cv'rko ku' ecf o kwo "cpf 'plengn'd {" ; ; "r gtegpv'gcej "cpf "f go qpuctvg'vj cv'ci i tgi cvg'o cuu'go kuukqp'qh'ctugple" htqo "cm'pqp/ ej tqo kwo "o gvcn'o gnkpi "qr gtcvkpu'ctg'cv'qt"dgmy "2022288"r qwpf u'r gt'j qwt0' Nkngy kug."c'hcekx'{"o c{"kpuvcm'c'r qmwkqp"eqpvtqn'f gxleg'vj cv'j cu'c'eqpvtqn'ghhekgpe{"rgu'vj ep" gs wcn'vq'qt'i tgcvt'vj cp"; ; "r gtegpv'dw'tgf wegu'ci i tgi cvg'o cuu'go kuukqp'dgmy "vj g'rko ku'hqt'c" ur gekhe'vqzle'ck'eqpwo kpcp'0Vj ku'r tqxkf gu'hgzkdkx'{"hqt'hcekx'ku'vq'eqpvtqn'rti gt'uqwtg'u'qh' vqzle'ck'eqpwo kpcp'u'cu'qr r qugf "vq'cm'uqwtg'u'0Cf f kkpccm'."uqo g'r qmwcpv'u'o c{"dg'cv'uwej "hqy " r'xgn'vj cv'eqpvtqn'gs vkr o gpv'o c{"j cxg'f hhekw'{"f go qpuctv'kpi "; ; "r gtegpv'eqpvtqn'0Vj g'ci i tgi cvg' o cuu'go kuukqp'u'rko k'j cu'vj g'cf f gf "dpgghku'k'ku'rgu'g'zr gpukxg"vq'f go qpuctvg'eqo r rkepeg" dgecvug'qpn'{"cp'qwg'v'v'gu'ku'tgs vktgf =wpku'vj cv'j cxg'qy "eqpegpvtcvkpu'qh'ctugple.'ecf o kwo ."qt" plengn'o c{"j cxg'f hhekw'{"o ggv'kpi "vj g"; ; "r gtegpv'eqpvtqn'dw'ecp" f go qpuctvg'eqo r rkepeg" o ggv'kpi "vj g'ur gekhe'ci i tgi cvg'o cuu'go kuukqp'u'rko k=cpf "k'f qgu'pqv'tgs vktg'ck'r qmwkqp'eqpvtqn' gs vkr o gpv'hqt'hwtpege'qr gtcvkpu'y kj "xgt {"qy "r'xgn'qh'ctugple.'ecf o kwo ."cpf k't'plengn'o"

Dcugf "qp" g'zr g'kpege'y kj "hcekx'ku'uwdlgev'vq'Twrg"36420"o"Go kuukqp"Ucpf ctf u'hqt'Ngcf "cpf " Qy gt'Vqzle'ck'Eqpwo kpcp'u'htqo "Ncti g'Ngcf / Cef' Dcwt {"Hcekx'ku'uchh'j cu'f gvgto kpgf<sup>3</sup>"vj cv' ctugple'v'kqz'kf g'c"vqzle'vj cv'ku'cu'q'uwdlgev'vq'vj ku'tgi wv'kpu'."o c{"xcr qtk'g'cv'tqgo "vgo r gtcwtg'0' K'j cu'c'dqk'kpi 'r qkp'v'qh'. 8: 'f gi tgg'u'hcj tgpj gk'z'y gmdgmy "V'r lecn'hwtpege'qr gtcv'kpi "vgo r gtcwtg'u'0' V'r lecn'r ct'vew'v'eqpvtqn'o gy qf u'wugf "vq'eqpvtqn'ecf o kwo "cpf 'plengn'uwej "cu'c'dci j qwug."o c{" pqv'dg'cr r tqr tlc'v'g'hqt'eqpvtqn'kpi "ctugple"qt"ctugple'v'kqz'kf g'kp"xcr qt'hqto 0C'y g'v'uetvddgt'qt" c" y g'v'gextquv'v'le'r tgekr kcv'qt'o c{"dg'tgs vktgf "vq'eqpvtqn'ctugple"qt"ctugple'v'kqz'kf g'kp"xcr qt'hqto 0' Y j gtg'vj g'ci i tgi cvg'o cuu'go kuukqp'u'qh'ctugple"ctg'i tgcvt'vj cp"2022288"r qwpf u'r gt'j qwt"t" cf f kkpccn'eqpvtqn'gs vkr o gpv'y km'dg'tgs vktgf 0J qy gxgt."c'hcekx'{"o c{"cxqkf "j cxkpi "vq'kpuvcm'c" ugeqpf "eqpvtqn'f gxleg'vq'rko k'xcr qtu'htqo "ctugple'kh'k'ecp" f go qpuctvg'vj cv'ci i tgi cvg'ctugple" go kuukqp'u'ctg'cv'qt"dgmy "2022288"r qwpf u'r gt'j qwt0"

Vj ku'wdf kxkukp'y kn'o c'pvc'p'vj g'r tqxkukp'rko k'kpi "xkukdng'go kuukqp'u'r t'gx'k'wun'{"eqpvc'kpgf "wpf gt" hwi k'xg'go kuukqp'eqpvtqn'0Cf f kkpccm'."vj ku'wdf kxkukp'y kn'k'pen'f g'c'r tqxkukp'y j k'ej "r tqj kdku" xkukdng'go kuukqp'u'htqo "pqp/ ej tqo kwo "o gvcn'o gnkpi "qr gtcvkpu'vq'ng'xg'vj g'f'k'gev'r ev'vq'htqo "

\*\*\*\*\*

<sup>1</sup> Uqwtg' Vguv' Tgr qtv' 35/529" cpf" 35/52: ." Uqwj " Eqcu" CS OF." Qevqdg" 4235." ceegugf" Lypg" 423; " [j wr <ly y y Qs o f G qx lf qeulf ghcwv/uqwtg'lgz'kf g'lgz'kf g/uqwtg'v'gucwi / ugr v0 f hAhtup?4"](#)

"

guccr kpi "vj g"eqmgevqp"mceevqp"qh"ep"go kuukqp"eqmgevqp"u{uvg 0'Vj ku'r tqxkukqp"cmqy u"Uqwj "EqcuVCS O F "gphqtego gpv\q'xkuwcm{ "qdugt'xg'go kuukqp"eqmgevqp"u{uvg u'vj cvctg'bpqvhpevqp kpi "r tqr gtn{0"

kp"qtf gt"vq"gpuwtg'cf gs wcv'vko g'hqt'r gto k'cr r rdecvqp u'vq"dg'r tqeguugf . "RCT"3629"tgs vkt gu'yj cv' r gto k'cr r rdecvqp u'hqt"cf f kkpccn'go kuukqp"eqpvtqn'f gxlegu'yj cv'y kn'dg'wugf "hqt"gz kuukpi "hwt pcegu" ctg'uwd o kwgf "d{ "Lwn{ "3."42420"

Uqwt eg"vgu kpi "tgs vkt go gpw u'ctg" dglpi "o qxgf "vq"u wdf kxkukqp" \*i +0' Vj g"o clpv gpcpeg" r tqi tco " r tqxkukqp u'y kn'dg'ur rk'lpvq"J qwugnggr kpi "T gs vkt go gpw u"\*u wdf kxkukqp" \*g++"cpf "Go kuukqp"Eqpvtqn' F gxleg'O qpkqt kpi " \*u wdf kxkukqp" \*k+0C"eqo r ct kuqp"qh'ewt gpv'go kuukqp"eqpvtqn'tgs vkt go gpw u'cpf " r tqr qugf "go kuukqp"eqpvtqn'tgs vkt go gpw u'ku'r tqxkf gf "lp"Vcdrg"4/3"dgrqy 0'

Table 2-1: Comparison of Emission Control Requirements"

Requirement	Rule 1407	PAR 1407
Eqpvtqn'r ct vkwrc'vgo c wgt " go kuukqp u'd{ " ; ; ' "	[ gu"	<u>Wp'kri'Lcpwct { "3."4243"cpf " wv'kri'eqo r rkcpeg'y kj "f +*5+" qt "f +*6+"</u>
Eqpvtqn'Cu'cpf "Ef "d{ " ; ; ' "kh" gzj cwu'vgo r gtcwtg"@582°H"	[ gu"	[ gu"
Eqpvtqn'Cu."Ef ."cpf "P k'd{ " ; ; ' "qt"o gg'v'o cuu'go kuukqp" rko ku'cv'cm'vko gu"	P q"	[ gu"ghgevxg'Lcpwct { "3." 4243+"
Qpg/vko g"uqwt eg"vgu v"	[ gu"	[ gu."cpf "r gtkqf le"uqwt eg" vgu kpi "O qxgf "vq"Uqwt eg" Vgu kpi "T gs vkt go gpw u" *u wdf kxkukqp" *i ++"
O clpv gpcpeg"r tqi tco "	[ gu"	[ gu00 qxgf "vq"J qwugnggr kpi " T gs vkt go gpw u"*u wdf kxkukqp" *g++"cpf "Go kuukqp"Eqpvtqn' F gxleg'O qpkqt kpi " *u wdf kxkukqp" *k++"
Nko k'xkukdrg"go kuukqp u"	[ gu"	[ gu"
Nko k'xkukdrg"go kuukqp u" guccr kpi "go kuukqp"eqpvtqn' f gxleg"	P q"	[ gu"

"

**Housekeeping Requirements (Subdivision (e))**

J qwugnggr kpi "tgs vkt go gpw" r tqr qugf "vq" o kpk o k g" hwi kkg" go kuukapu" tguwkp i "htqo "pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvkpu" Rtqr qugf "Co gpf gf "Twg" 3629" erctkkgu" tgs vkt go gpw" hqt" gpenugf "uqtci g" qh'f wuv/hqto kpi "o gvcn' eqpvckpki "o cvgtkcn" uwej "cu" f tquu. "cu" j. "qt" hggf "o cvgtkcn" vq" kpenwf g" vtcuj "qt" f gdtku0Kp" cf f kkkp "vq" cp" gpenugf "uqtci g" ctgc. "vj" g" r tqxkukp "y kni' cmjy "f wuv/ hqto kpi "o gvcn' eqpvckpki "o cvgtkcn" vq" dg" uqtgf "lp" c" dwkf kpi "gpenugt" g" qt" eqxgtgf "eqpvckpgtu" vj g" eqxgtgf "eqpvckpgtu" o wuv/qpn { "dg" qr gpgf "y j gp" o cvgtkcn ku" dgkpi "f gr qukgf "qt" tgo qxgf "cpf" o wuv/dg" htgg" qh' hgcnu0Cf f kkkp cmf. "vj" g" r tqxkukp "y j kej" tgs vkt gu" gpenugf "eqpvckpgtu" hqt" o cvgtkcn' eqmgev f " d { "go kuukp" eqpvtqnf f gxlegu" y kni' dg" tgcvkpgf 0' Vy q" qvj gt" j qwugnggr kpi "o gcuwtgu" y kni' dgeqo g" ghgevkxg" wr qp" t wrg" cf qr vkp <30" Engcp" y ggml { "lp" hmq" ctgcu" y kj kp 42" hggv' qh' y j gtg" hmt pceg" cpf " ecukpi "qr gtcvkpu" ctg" eqpf wvgf =cpf "40" Rtqj kdkkq" qh' f t { "uy ggr kpi . "wprguu" f t { "uy ggr kpi "ku" cmjy gf "kp" cp" cr r tqxgf "J qwugnggr kpi "Ego r rkepeg" Rrcp" vj cv' cmjy u" cp" cngtpcvkxg" ergcpkpi " o gvj qf . "cpf" eqo r tguugf "ct" ergcpkpi "y j gtg" hmt pceg. "ecukpi . "o gvcn' ewwkp i . "cpf" o gvcn' i tkpf kpi " qr gtcvkpu" qeewt0Cp" qy pgt" qt" qr gtcvqt" o c { "uwo k' c" J qwugnggr kpi "Ego r rkepeg" Rrcp" vq" wug" cp" cngtpcvkxg" ergcpkpi "o gvj qf "lp" rkgw" qh' cp" cr r tqxgf "ergcpkpi "o gvj qf 0' Vj g" cngtpcvkxg" ergcpkpi " o gvj qf "o wuv" o ggv" vj g" uco g" ct" s wcrkf { "qdlgevkgu" cpf " ghgevkxgpguu" qh' vj g" j qwugnggr kpi " tgs vkt go gpv' k' ku' tgr mekpi "cpf" vj g" cngtpcvkxg" j qwugnggr kpi "o gcuwtg" o wuv' o kpk o k g' i gpgtcvkp" qh' f wuv/hqto kpi "o gvcn' eqpvckpki "o cvgtkcn0"

Vj g' hmqy kpi "j qwugnggr kpi "r tqxkukpu" y kni' dg" ghgevkxg" y kj kp 52" f c { "u' qh' t wrg" cf qr vkp <"

- S wctvgt n { "lpur gevkap. "cpf" ergcpkpi "kh' pgeguuct { . "qh' eqmgevkap" xgpw. "qr gpkpi u. "cpf" f wvki " qh' go kuukp" eqpvtqnf f gxlegu" vq" r tngxp v' f wuv' dwkf kpi "wr" cpf "enqi i kpi ="
- Tgo qxcn' qh' y gcvj gt" ecr u' vj cv' tguv' vj g' hmqy "qh' gzj cwuv' qp" cp { "uceni' vj cv' ku' c" uqwt eg" qh' go kuukpu" htqo "pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvkpu" =ceegr vcdrg" gzj cwuv' ecr u' kpenwf g" dwwgthn { "f co r gtu" y j kej "r tqxkf g" c" enget" r cvj "hqt" ct" o qxgo gpv' y j gp" vj g" gzj cwuv' hcp" ku" qr gtcvkpi "
- Vtcur qtv' f wuv/hqto kpi " urci " cpf " y cuvg" i gpgtcvgf " f wtkpi " j qwugnggr kpi " cpf " dwkf kpi " gpenugt" g" eqpvt wvkap" cpf "o clpvpcpeg" y kj kp" enugf "eqpxg { qt" u { ugo u" qt" kp" eqxgtgf " eqpvckpgtu. "wprguu" eqpf wvgf "y kj kp" c" dwkf kpi "gpenugt" g" qt" cp" gpenugf "uqtci g" ctgc 0' Vj ku" r tqxkukp" ku" pqv' cr r rkecdrg" vq" vtcpur qt vki "o cvgtkcn" gzeeggf kpi "722" f gi tggv' Hcj tgpj gk="
- Y ggml { "ergcpkpi " d { "cp" cr r tqxgf "ergcpkpi "o gvj qf "kp" hmq" ctgcu" pgct" y qtni' ucvkpu. " qr gpkpi u" qh' dwkf kpi "gpenugt" gu. "cpf" "vcpuhgt" r qkp w" qh' go kuukp" eqpvtqnf f gxlegu" wkrkf gf " hqt" o gvcn' ewwkp i "qt" o gvcn' i tkpf kpi "qr gtcvkpu" pqv' eqpf wvgf "wpf gt" c" eqpvkpwquw" hmqf "qh" o gvcn' tgo qxcn' hmkf ="
- F wuv/hqto kpi "o gvcn' eqpvckpki "o cvgtkcn" i gpgtcvgf "htqo " j qwugnggr kpi . "eqpvt wvkap. "qt" o clpvpcpeg" u j cm' dg" uqtgf "lp" cp" gpenugf "uqtci g" ctgc. "lp" c" eqxgtgf "eqpvckpgt. "qt" kp" c" dwkf kpi " gpenugt" g" gzeegr v' y j gp" o cvgtkcn' ku" cevkg n { "dgkpi " f gr qukgf "kp vq" qt" cevkg n { " tgo qxgf "htqo " c" tgegr vcegg0Cevkxg" o gcpu' f gr quk kpi "qt" tgo qxkpi "o cvgtkcn" y kj "pq" o qtg" vj cp" c" 37" o kpwg" f gr { =cpf "
- Engcp" d { "cp" cr r tqxgf "ergcpkpi "o gvj qf "y kj kp" qpg" j qwt "qh' eqpvt wvkap" qt" o clpvpcpeg" vj cv' tguwmu" lp" vj g' f gr quk kpi "qh' hwi kkg" o gvcn' f wuv' go kuukpu0

C" eqo r ct kuq" qh' ewt gpv' j qwugnggr kpi "tgs vkt go gpw" cpf "r tqr qugf " j qwugnggr kpi "tgs vkt go gpw" ku" r tqxkf gf "kp" Vcdrg" 4/4" dgmy 0'

"

Table 2-2: Comparison of Housekeeping Requirements

Requirement	Rule 1407	PAR 1407
*g+*3+*C+*ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	[ gu"	[ gu"
*g+*3+*D+*ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	[ gu"	[ gu"
*g+*3+*E+*ó"Y ggm{ "hmq"engcłkpi "	P q"	[ gu"
*g+*3+*F+*ó"Rtqj kłkq"qh'f t { "uy ggr kpi "cpf " eqo r tguuf "cłt"engcłkpi "	P q"	[ gu"
*g+*4+*C+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"
*g+*4+*D+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"
*g+*4+*E+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"
*g+*4+*F+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"
*g+*4+*G+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"
*g+*4+*H+, "ó"Uqtg"fwv/hqto kpi "o gvcn/eqpvcłkpi " o cvgtkcn'kp"cp"gperqugf "uqtci g'ctgc."dwrk kpi " gperquwtg."qt"eqxgtgf "eqpvcłpgt "	P q"	[ gu"

, "Cr r ncedrg"52"fc { u"chgt"twg"cf qr vqp"

C'r tqxkq"ku'kpenw gf "lp"r tci ter j \*g+\*5+emqy kpi "cp"cngtpcłxg"engcłkpi "r tqegui"v"dg"wgf "d { " hceklkku"r tqxk gf "vj g"cngtpcłxg"engcłkpi "r tqegui"o ggu"vj g"uco g"qdlgełxgu"cpf "ghgełxgpguu." gpuwtgu"vj cv'o gvcn'f wuv'y kn'pqv'dg"i gpgtcvgf "d { "vj g"cngtpcłxg"j qwugnggr kpi "r tqegf wtg."cpf "ku" uwo kxgf "cpf "cr r tqxgf "d { "vj g"Uqwj "Eqcu'CS O F"cu'r ctv'qh'c"J qwugnggr kpi "Eqo r ncepg'Rncp'Gzco r ncu'qh'cngtpcłxg"engcłkpi "r tqeguugu"vj cv'ecp'tgr nceg"vj g'tgs wktgf "j qwugnggr kpi "o gcuwtgu"

eqwrf "dg" wukpi "c" J ki j "Ghhekgpe { "Rctvewwv" Cttguqt "J GRC+" xcewwo "y gp" ft { "uy ggr kpi "y g" rcti gt "o gvcn'r kgegu'y kj kp" qpg" j qwt "qt" wukpi "c" J GRC "xcewwo "y kj "cp" cwcej gf "dtqqo "j gcf 0"

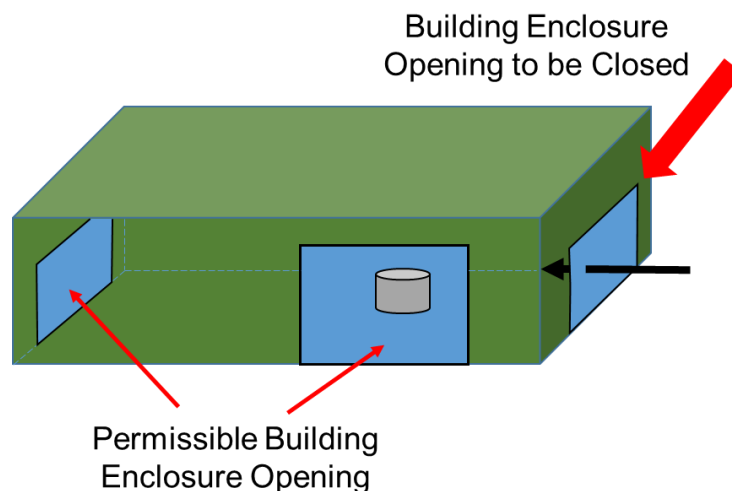
### ***Building Enclosure Requirements (Subdivision (f))***

Rctci tcr j "h\*3+" tgs wktgu" y g" qy pgt "qt" qr gtcvqt "qh" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcvqp" vq" eqpf wev" qr gtcvqp" y kj kp" c" dwkf kpi "gpenquwt" g" y cv' o kpo k gu" etqu" f tch' eqpf kkpku" d { "Lxn { "3." 42420' Vj g" gpenquwt" g" o c { "eqpukv" qh' c" utwewt" g" y kj kp" c" dwkf kpi "y cv' gpenqugu" o gvcn' o gmkpi . " ecukpi . " qt" o gvcn' ewwki " cpf " i tlpf kpi "pqv' eqpf wevgf " wpf gt " c" eqpvkpwqu" hqqf " qh' o gvcn' tgo qxcn' hmkf " qr gtcvqp" 0' Vj g" kpvgpv' qh' y g" g' tgs wktgo gpw' ku' v' r tqxkf g" eqpvkpo gpv' ko r gf g' etqu/ f tchm. " cpf " o kpo k g" hwi kxg" go kuukpu" i gpgtcvgf " kp" ctgcu" y j gtg" o gvcn' o gmkpi "qr gtcvqp. " kpenw kpi " i tlpf kpi " cpf " ewwki . " qeewt 0"

C" dwkf kpi "gpenquwt" g" cu' f ghkpgf "kp" r ctei tcr j "e\*6+" ku' c" utwewt" g" gpenqugf "y kj "c" hqqf. "y cmu. " cpf "c" tqqh' v' r tngxgpv' g' zr quwt" g" v' y g" g' go gpw. " g 0' r tgekr kcvkp" qt" y kpf +. "y kj "rko k' gf "qr gpkpi u" vq" cmqy "ceegu" cpf "gi tguu" hqt" r gqr rg. "xgj k'rgu. "gs wkr o gpv. "qt" r ctv 0' Etqu/ f tch' eqpf kkpku" qh' c" dwkf kpi "gpenquwt" g" u' j cm' dg" o kpo k gf "d { "pqv' cmqy kpi "qr gpkpi u" qp" qr r qukvg" gpf u' qh' y g" dwkf kpi " vq" dg" qr gp" uko wncpgqwu { 0' O kpo k kpi "etqu/ f tch' eqpf kkpku" y kn' j gr " r tngxgpv' c" mquu" kp" y g" ghhekgpe { "qh" cp" go kuukp" eqngevqp" u { ugo 0' Qr gpkpi u" ctg" xgpv. "y kpf qy u. " r cuuci gu. " f qqt y c { u. " dc { " f qqtu 0' O gy qf u' vq" emug" qr gpkpi u. " kpenw g" wug" qh' cwqo cve" f qqtu. " kpucm' vqp" qh' qxgtm' r kpi " r m' uke" utkr " ewt v' kpu. " xgukdwgu. " cpf " cktm' em' u { ugo u 0' Dettlgtu. " uwe j " cu' rcti g' r kgegu" qh' gs wkr o gpv' o c { "cmq" dg" wugf "vq" dm' em' qr gpkpi u" qt" r tngxgpv' etqu/ f tchm' k' puf g" cp" gpenquwt" g" pgct" r tqeguugu 0' Cf f kkp' cm { . "y g" qy pgt "qt" qr gtcvqt "ecp" f go qpwtcvg" vq" y g" Gz gewkxg" Qhhegt" gs wkcngpv" qt" o qtg" ghhevgxg" y c { u' vq" o kpo k g' etqu/ f tch' eqpf kkpku"

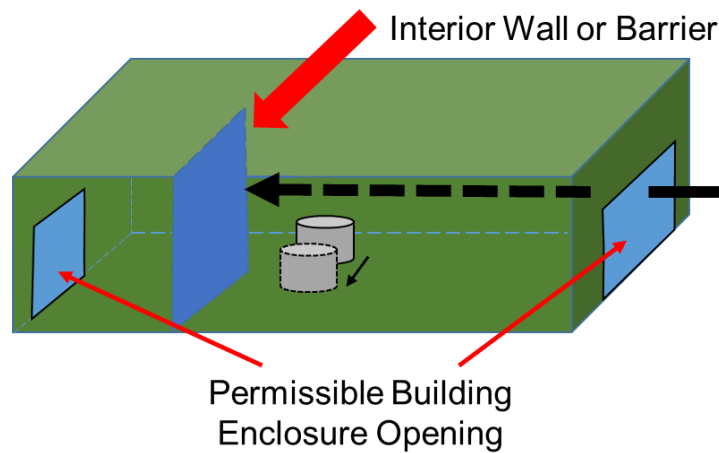
Kmwutcvkpku" qh' gzco r ng" dwkf kpi "gpenquwt" g" eqphk' wtcvqpku" ctg" r tqxkf gf "kp" Hki wtu" 4/5" y tqwi j "4/ 32" dgmj 0"

**Figure 2-3: Acceptable Building Enclosures Configuration**



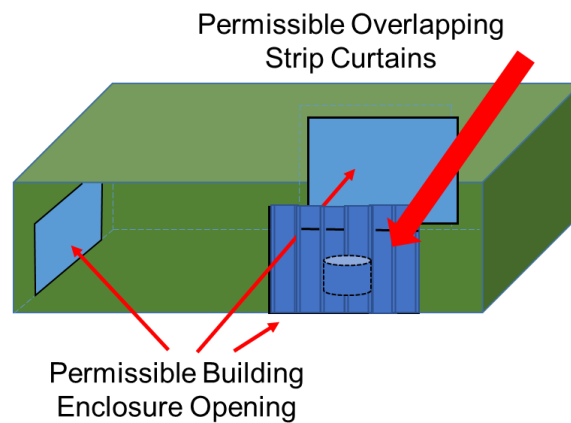
"

**Figure 2-4: Acceptable Building Enclosures Configuration**



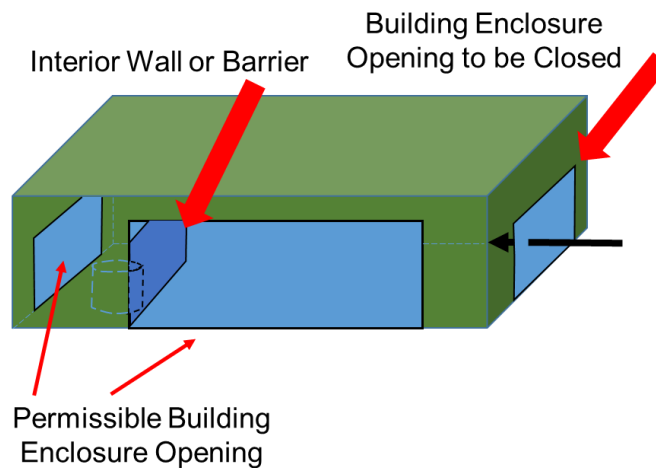
"

**Figure 2-5: Acceptable Building Enclosures Configuration**



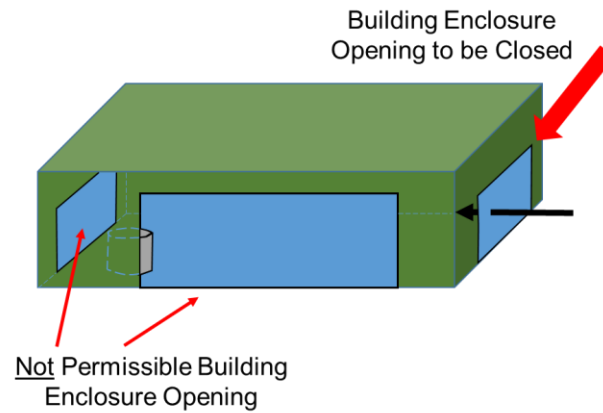
"

**Figure 2-6: Acceptable Building Enclosures Configuration**

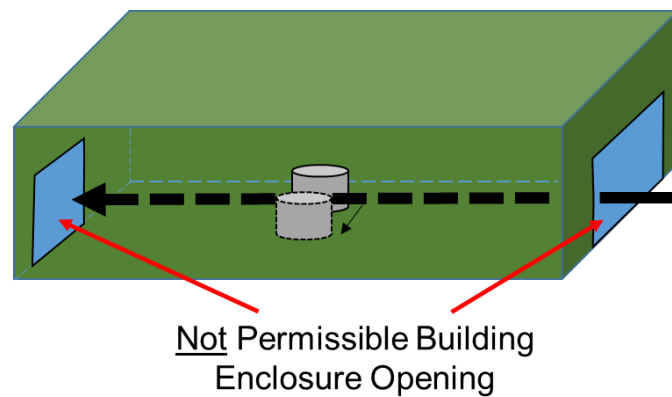


"

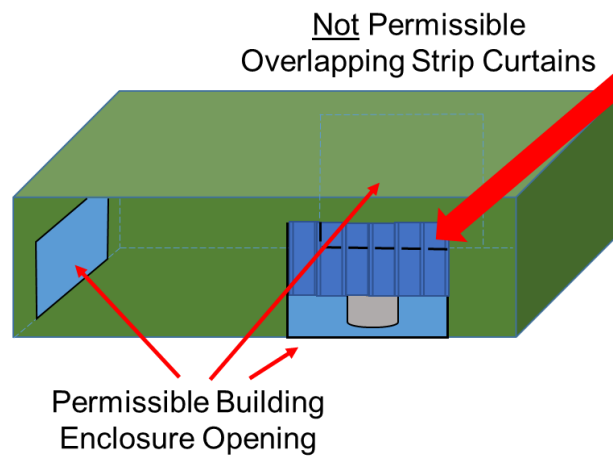
**Figure 2-7: Unacceptable Building Enclosures Configuration**

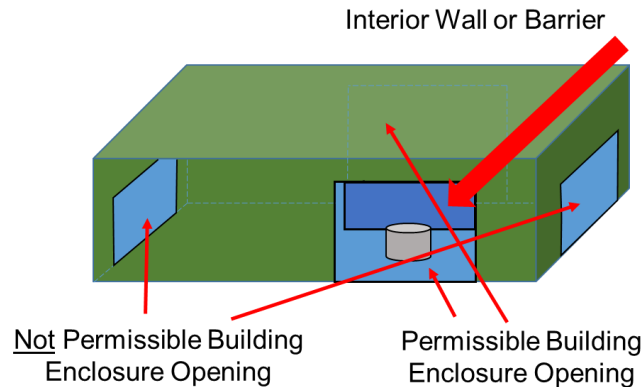


**Figure 2-8: Unacceptable Building Enclosures Configuration**



**Figure 2-9: Unacceptable Building Enclosures Configuration**



**Figure 2-10: Unacceptable Building Enclosures Configuration**

kp"vj g"gxgpv"vj cv"cp"qy pgt"qt"qr gtcvt"ecppqv"eqo r n{ "y kj "vj g"tgs vkt go gpv"qh"r ctei tcr j "h#3+" f wg"v"eqphkew"y kj "hgf gtcn'Qeew cvkpcn'Uchgv{ "cpf "J gcmj "Cf o kpkvkvqp"\*QUI C+ "Ecnkqtpk" F kxkukqp"qh"Qeew cvkpcn'Uchgv{ "cpf "J gcmj "Cf o kpkvkvqp"\*ECNIQUI C+ "qt"qvj gt"o wplek cn' eqf gu"qt"ci gpe{ "tgs vkt go gpv" f kgevf "tgr vgf "v"y qtngt"uchgv{ "r ctei tcr j "h#4+"tgs vkt go gpv" u" uwo kvcn'qh" c "Dwrf kpi "Gperquwtg"Eqo r nkpeg"Rrcp0P q"rcvt"vj cp"; 2"f c{ u"chgt"twg"cf qr vqp"ht" gz kuki "hckkkgu" cpf "r tkqt" v" kpkkn'uctvwr "hqt" cm'qvj gt"qr gtcvkvpu." c" Dwrf kpi "Gperquwtg" Eqo r nkpeg"Rrcp"uj cm'dg"uwo kvgf "cpf "uj cm'kpenf g"vj g"gzr rcpvkvqp"ht"vj g"eqphkew"cpf "vj g" cngtpcvkxg"o gcuwtgu"vj cv'y knldg"ko r ngo gpvgf "v"o kpk k g"vj g"tgrgcug"qh'hwi kxg"go kukiqp"v"vj g" qwukf g"qh"vj g"dwrf kpi "gperquwtg0Vj ku'r rcp"y knldg"uwlgev"v"Twg"528"o"Rrcp"Hegu0Rctci tcr j " h#5+" gucdkij gu" r tqegf wtgu" hqt" tguwo kvcn' cpf " cr r gcn' qh" f kucr r tqxgf " Dwrf kpi " Gperquwtg" Eqo r nkpeg"Rrcp0Kj"vj g"Dwrf kpi "Gperquwtg"Eqo r nkpeg"Rrcp"ku'f kucr r tqxgf ." c"tgxkugf "Dwrf kpi " Gperquwtg"Eqo r nkpeg"Rrcp"o wu'dg"tguwo kvgf "y kj kp"52"f c{ u"qh"vj g"pqvkvkvqp"qh'f kucr r tqxcn' Cngtpcvkxgn{ "vj g"qy pgt"qt"qr gtcvt"o c{ "cr r gcn'vj g" f kucr r tqxcn'v"vj g"J gctkpi "Dqctf "r gt"Twg" 438"o"Cr r gcm'cpf "Twg"443"o"Rrcp0Vj g"Gzgewkxg"Qhhegt"y kn'gkj gt"cr r tqxgf "vj g"tgxkugf "cpf " tguwo kvgf "Dwrf kpi "Gperquwtg"Eqo r nkpeg"Rrcp"qt"y kn'o qf kh{ "vj g"r rcp"cpf "cr r tqxg"kv"cu" o qf khgf 0Vj g"Gzgewkxg"Qhhegt"o qf khgf "cpf "cr r tqxgf "Dwrf kpi "Gperquwtg"Eqo r nkpeg"Rrcp"ecp" dg"cr r gcrf "r gt"Twg"438"cpf "4430Qpeg"vj g"Dwrf kpi "Gperquwtg"Eqo r nkpeg"Rrcp"ku"cr r tqxgf ." vj g"r rcp"o wu'dg"ko r ngo gpvgf "y kj kp"; 2"f c{ u"qh"cr r tqxcn'ht" hckkkgu"gz kuki "r tkqt" v"twg" cf qr vqp"cpf "r tkqt" v" kpkkn'uctvwr "hqt" cm'qvj gt" hckkkgu"r wuwcgv"v"r ctei tcr j "h#6+0"

### Source Testing Requirements (Subdivision (g))

Hckkkgu"uj cm'uwo k'c"uqwtg"vgu"r tqveqn"v"vj g"Gzgewkxg"Qhhegt"d{ "Qevdgt"3."4242"ht"vj g" kpkkn'uqwtg"vgu"cpf "cvhgcuv"5"o qpvy u'r tkqt"v"vj g" f gcf rkp"ht"r gkqf le"uqwtg"vgu"pi 0Vj g"uqwtg" vgu"r tqveqn"o wu'ur gekh{ "vj g"lphqto cvkp"pgeguuct{ "v"dg"lpenf gf "kp"vj g"uqwtg"vgu"r tqveqn' kpenf kpi <uqwtg"vgu"etkgtk."cm'cuwo r kvpu."tgs vkt gf "f cvc=vti gv'o cuu'go kukiqp"ucpf ctf u'ht" ctugple." ecf o kwo "cpf "plengn" r rppgf "uco r kpi "r ctco gvtu= cp" gxcnkvqp"qh"vj g"go kukiqp" eqngekvqp" u{vgo au" ecr wtg" ghhegpe{ "cpf "xgrqkv{ = cpf "lphqto cvkp" tgi ctf kpi "gs vkr o gpv" mji knku."r gtupppgn'cpf "qvj gt"tguqwtgu"pgeguuct{ "v" hckkkgu"cp" ghhegvp'cpf "eqqt f kpcvgf "uqwtg" vgu'

P q"rcvt"vj cp"lcpwt{ "3."4243."RCT"3629"r ctei tcr j "i #4+"y kn'tgs vkt g"cp" kpkkn'uqwtg"vgu"cpf " r ctei tcr j "i #5+"y kn'tgs vkt g"r gkqf le"uqwtg"vgu"gxgt{ "82"o qpvy u."vj gtgchgt."v" f go qpwtcvg" eqo r nkpeg"y kj "vj g"go kukiqp"eqpvtqn'tgs vkt go gpv'ur gekhgf "kp"uwdf kxkukqp" f 0Vj g"htpceg"o wu'



Ewltgpn{\. "Twrg"3629"go kuukqp"eqpwtqn'tgs wktgo gpw'ctg'dcugf "qp'r ctvwrcvg"o cwgt="RCT"3629"  
y kn'dg'dculpi "go kuukqp"eqpwtqn'tgs wktgo gpw'ur gekh'ecm{\ "qp'yj g'eqpwtqn'qh'ctugple. "ecf o kwo . "cpf "  
plengr0Vj gtghqtg. "yj g'uqwtg"vguv'o gjy qf "tgs wktgo gpv'lp"RCT"3629"lp'r ctcj ter j \*i +\*: +ku'ECTD"  
O gjy qf "658"6" F gvgto kpcv'qp"qh'O wnr rg'O gwrn'Go kuukapu'h'qo "Ucv'qpct {\ "Uqwtegu0Uqwtg"vguv"  
uj cm'dg'eqpf wvgf 'y j kg'yj g'gs wkr o gpv'ku'qr gtcv'pi 'cv'c'o kpo wo 'qh': 2'r gtegpv'qh'yj g'gs wkr o gpw'  
r gto kwgf 'yj tqwi j r w0Cf f k'kqpcm{\ . 'yj g'uco r rg'xqno g'o wuv'dg'hti g'gpqwi j 'v'cej k'xg'cpcn{\ v'ecn'  
tguwmu'cv'yj g'o gjy qf "tgr qt'vpi "rko k'qt"372"ft {\ "ucpf ctf "ewdke"hggy. "cuwo kpi "yj cv'yj g'o gjy qf "  
tgr qt'vpi "rko k'ku"204"o letqi tco u'r gt'uco r rg'hqt"ctugple. "ecf o kwo . "cpf "plengr0'Ki" c"uqwtg"vguv"  
tguwmu'kp"cm'twpu'dgmuy "yj g'o gjy qf "tgr qt'vpi "rko k'hqt" c"eqo r qwpf . 'yj gp'yj cv'eqo r qwpf 'y kn'dg"  
tgr qt'v'f "cu'pqp/f gygev'cpf 'y kn'dg'eqwv'v'f "cu'c' \ gtq'hqt'r wtr qugu'qh'yj ku'twrg0Ki" c"uqwtg"vguv'tguwmu"  
kp"cv'ngcu'qpg'twp'dgmuy "cpf "qpg'twp"cdq'xg'yj g'o gjy qf "tgr qt'vpi "rko k'hqt" c"eqo r qwpf . 'yj gp'yj g"  
twpu'yj cv'ctg'dgmuy "yj g'o gjy qf "tgr qt'vpi "rko k'uj cm'dg'cu'ki pgf "qpg'j ch'qh'yj g'o gjy qf "tgr qt'vpi "  
rko k'hqt'yj cv'twpu'40Rctci ter j \*i +\*: +cmuy u'hqt'yj g'wug'qh'cp'cngt'p'v'xg'qt'gs w'x'cngpv'vguv'o gjy qf "  
y kn'dg'cmuy'gf "cu'mpi "cu'k'ku'cr r tqxgf "kp'y tklpi "d {\ "yj g"Gz gew'k'xg"Qh'kg't. "kp'c'f f k'kq"v"y j g"  
Ec'k'ht'p'k' Ck'Tguqwtegu'Dqctf . 'qt'yj g'WUOGRC. "cu'cr r r'ec'd'p'0"

Retci tcr j \*i +34+cmjy u'c' hceklv ("q" wkl g'c' uqwtg"gvu'eqpf wevgf "chgt" Lcpwct { "3."4238"lpugcf" qh'eqpf wevki "vj g'lpklcn'uqwtg"gvu'tgskgf "lp'r'ctci tcr j \*j +34+r'tqxf gf "vj cv'j g'uqwtg"gvu'<

- |||||

Rtqr qugf "Co gpf gf "T wrg"3629"

"

- Y cu'eqpf wevgf "wukpi "RCT"3629"cr r rlecdrg"cpf "cr r tqxgf "vgu'bo gjy qf u0'

Tgr qtvu'ltqo "uqwtg"vgukpi "o wuv'dg"uwo kwgf "vq"vj g"Uqwj "Eqcu'CS O F"y kj kp"; 2"f c{u"qh' eqo r rgtkqp"qh'uqwtg"vgukpi "kp"qtf gt"vq"eqo r n{"y kj "i \*35+0'

### **Material Testing Requirements (Subdivision (h))**

RCT"3629"y kn'o clpvcip"vj g'o clqtkv{"qh"vj g'o cvgtkcn'vgukpi "o gjy qf u"uugf "kp"vj g'ewttgpn'twrg"vq" f gyto kpg"vj g'eqo r qukkqp"qh'cmq{u"uugf "kp"o gvcn'o gmkpi "qr gtcvqpu"wpkn'Lcpwct{"3."4243."y j lej " eqkpekf gu"y kj "vj g"uwpugv"qh'ewttgpn'Twrg"3629"go kuukqp"rko ku"cpf "gzgo r vqpu0'Vj g"r ki "rgcf " cpcn{uku"vej pls wg"y kn'dg'tgo qxgf "dgecwug"kv'ku"pq"mipi gt"cr r rlecdrg0'RCT"3629"cmqy u'hqt"vj g" wug"qh'WUUGRC/crr tqxgf "o gjy qf u."cevkg'CUVO "Kvgtpcvqpcn'o gjy qf u."o gvcn'ati kecn'cuu{u."qt" cnngtpcvkxg"o gjy qf u"cr r tqxgf "d{"vj g"Gzgewkxg"QHleg0'Vj g'o gjy qf "pggf u"vq"dg"o"o gjy qf "vj cv'ku" cr r tqr tkvg"vq"vj g"uco r rg"o cvtkz."j cu"vj g"cr r tqr tkvg"o gjy qf "f gvevqpp"rko kv:"cpf"j cu"pq" kpvgthtgpegu."cpf "ku"cr r tqxgf "d{"vj g"Gzgewkxg"QHleg0"

Vj g'hqmqy kpi "o cvgtkcn'vgukpi "ku'tgs vkt gf "kp"RCT"3629<"

- S wctvgt n{"cpcn{uku"qh'tcy "o cvgtkcn'o gmgf "kp"pqp/ej tqo kwo "o gvcn'o gmkpi "hwtpegu="cpf "
- S wctvgt n{"cpcn{uku"qh'dci j qwug"ecvej gu"qh'dci j qwugu"cuuqekvgf "y kj "pqp/ej tqo kwo " o gvcn'o gmkpi "qr gtcvqpu0'

### **Emission Control Device Monitoring (Subdivision (i))**

RCT"3629"kpemf gu'r ctco gtle"o qpkqtkpi "vq"gpwutg'r tqr gt"qr gtcvqpp"qh'vj g"pqp/ej tqo kwo "o gvcn' o gmkpi " go kuukqpu"eqpvtqn' f gxleg0' Qr gtcvqpcn' r ctco gvtu" ctg" i gpgtcm{" gztguugf "cu" tpci g" r ctco gtle"o gcuwtgo gpw'y kj kp'y j lej "vj g'ckt'r qmwkqp"eqpvtqn'f gxleg'hvpevqpu'dgu'cpf "tgcrl' gu" qr vko wo "ghhekgpe{0'RCTco gtle"o qpkqtkpi "ku'eqpf wevgf "ugr ctevg'ltqo "uqwtg"vgukpi "cpf "r tqxkf gu" c'i qqf "kpf lecvqt"y j gp"vj gtg'ku'cp'kuuwg'y kj "vj g'go kuukqp"eqpvtqn'f gxleg'kp'dgw ggp"uqwtg"vgukpi 0'

Dci "Ngcm'F gvevqpp"U{uugo "i rctci tcr j "i \*3+ "

D{"Lcpwct{"3."4243."y j g"qy pgt"qt"qr gtcvqt"qh"o"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqpp"uj cm' qr gtcvg."ecrkdtevg."cpf "o clpvcip"o Dci "Ngcm'F gvevqpp"U{uugo "hqt"cm'dci j qwugu'r vtuwcpv'vq"Twrg" 3629."tgi ctf rguu"qh'uk' g."r vtuwcpv'vq"vj g"Vkt "5"tgs vkt go gpw'qh"Twrg"3377"o"Retkewrvg"O cvgt" \*RO +Eqpvtqn'F gxlegu0'

Rtguuwtg'Cetquu'cp'Go kuukqp'Eqpvtqn'F gxleg"i rctci tcr j "i \*4+ "

D{"Lcpwct{"3."4243."y j g"rtguuwtg"cetquu"vj g"go kuukqp"eqpvtqn' f gxleg"uj cm' dg"eqpvpwqwu{" o gcuwtgf "y kj "c"i cwi g"vj cv'ku'xkukdrg"cpf "kp"engct"rkg"qh'uki j v'qh"vj g"qr gtcvqt"qt"o clpvgpcpeg" r gtuqppgn0'Vj g'tgcf kpi "ltqo "vj g"i cwi g"r tqxkf gu"cp"kp'lecvqpp"qh'y j gjy gt"vj g"go kuukqp"eqpvtqn' f gxleg"ku"qr gtcvqpi "y kj kp"vj g"r tqr gt"tpci g"qh'r tguuwtg" f khtgtpvkn"y j gjy gt"vj g"knngtu"o c{"dg" enqi i gf "qt"j cxg'rgcmu"vj gtgd{"eqo r tqo kulpi "vj gk'ghhekvxgpguu."qt"kh'vj g"uetwddgt"ku"cr r tqcej kpi " hmqf kpi "xgrmek{0'Vj g'o qpkqtkpi "f gxleg"uj cm'dg'tgs vkt gf "vq<"

- Dg" gs wkr r gf "y kj " r qtvu" vj cv' cmqy " hqt" r gtlqf le" ecrkdtecvqpp" kp" ceeqtf cpeg" y kj " o cpwhcewtgtu'ur gekhecvqpu="
- Dg"ecrkdtevgf "ceeqtf kpi "vq"o cpwhcewtgtu'ur gekhecvqpu'cv'rgcu'qpeg"gxgt {"ecngpf ct{"gct="
- Dg"gs wkr r gf "y kj "c"eqpvpwqwu'f cv'ces wkuukqp"u{uugo "F CU0'Vj g'F CU'uj cm'tgeqtf "vj g" f cv'qwr wltqo "vj g'o qpkqtkpi "f gxleg'cv'c'ltgs wgpe {"qh'pqrvguu'vj cp"qpeg"gxgt {"ukz v{"\*82+ " o kpwgu="

- !!

CUA

- 

2

•

66

•

"

vj g"qr gtcvt"uj cm'o clpvc"cv'gcu'vj g'o kpo wo "unq'xgnek\ "vj cv'xgthgu"322'r gtegp'eqmgevqp" ghhekgpe{ "o gcuwgf "kp"vj g'o quvt'gegp'uqweg'\guv0

### Recordkeeping Requirements (Subdivision (j))

RCT"3629"y km'tgs vkt g"tgeqtf u"dg"ngr v"vq"cuukv"kp"xgth{ kpi "eqo r rkepeg0Qy pgtu"cpf "qr gtcvtu" y km'dg'tgs vkt gf "vq"o clpvc"tgeqtf u"ht"vj tgg"5+"{ gctu."nggr "vj g'o quvt'gegp'v'y q" { gctu"qpukg."cpf " o cng"vj go "ceeguukdg"cpf "cxckrdg"vq"Uqwj "Eqcu'CS O F "eqo r rkepeg'uchh'w' qp'tgs wgu0Tgeqtf u" uj cm'lpemf g"vj g'hqmy kpi <

- \*1+3+6"V{r g"cpf "s wcpvk\ "qh'tcy "o cvgtkcn'r tqeguuf. "lpemf kpi "r wtej cug'tgeqtf u"vq" eqphto "vj gug"s wcpvk\gu'o clpvc"p gf "o qpv n\ s vctvtn\ ="
- \*1+4+6"O cvgtkcn'guvpi "f cv"cu'tgs vkt gf "d{ "uwdf kxkukqp" \*j ="
- \*1+5+6"Uqweg'\guv'f cv"cu'tgs vkt gf "d{ "uwdf kxkukqp" \*i + "cpf "r ctcj tcr j " \*k+5 ="
- \*1+6+6"J qwugnggr kpi "cevxxkkgu"eqo r rvgf "r wtuwcpv'vq"uwdf kxkukqp" \*g ="
- \*1+7+6"Rctco gvtle" f gxleg"o qpkqt kpi "ht"go kukqp"eqpvtqn'f gxlegu'r wtuwcpv'vq" uwdf kxkukqp" \*k = "epf"
- \*1+8+6"Cpgo qo gvt "f cv"cpf "ecrkdtevkp" f qewo gpvcvkp"cu'tgs vkt gf "d{ "r ctcj tcr j " \*k+8 = "cpf "
- \*1+9+6"Uo qng'\guv'f qewo gpvcvkp"cu'tgs vkt gf "kp"Cwcej o gpv'D"

C"eqo r ctkuq"qh'ewtgpvt'geqtf nggr kpi "tgs vkt go gpw'ku'r tqxkf gf "kp"Vcdng"4/5"dgmy 0

**Table 2-3: Comparison of Recordkeeping Requirements**

Requirement	Rule 1407	PAR 1407*
V{r gu."s wcpvk\gu"qh'o gvcu" o gmgf "	[ gu"*Hqt"gz go r vkp" f go qpwtcvkqp"qp n{ +"	[ gu"
Cpcn\ugu"qh'o gvcu"o gmgf "	[ gu"*Hqt"gz go r vkp" f go qpwtcvkqp"qp n{ +"	[ gu"
Dci j qwug"ecvej "cpcn\ugu"	P q"	[ gu"
Uqweg'\guv'f cv"	[ gu"	[ gu"
J qwugnggr kpi "cevxxkkgu"	P q"	[ gu"
Rctco gvtle"o qpkqt kpi "	[ gu"*O clpvgpcpeg'r tqi tco +"	[ gu"
Cpgo qo gvt "f cv"	P q"	[ gu"
Uo qng'\guv'f qewo gpvcvkp"	P q"	[ gu"

, Tgeqtf u"dg"o clpvc"p gf "ht"vj tgg" { gctu"r t gxlqwu\ "vy q" { gctu+"

"

### Exemptions (Subdivision (k))

RCT"3629"lpemf gu"gz go r vkpu'ko kpi "uqo g'tgs vkt go gpw'vj cv'c"heekv\ "o c{ "dg'uwdlgev'vq<

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 10

---

1. **Introduction**  
 2. **Background**  
 3. **Methodology**  
 4. **Results**  
 5. **Discussion**  
 6. **Conclusion**  
 7. **References**  
 8. **Appendix**  
 9. **Index**  
 10. **Table of Contents**  
 11. **Abstract**  
 12. **Summary**  
 13. **Key Words**  
 14. **Keywords**  
 15. **Subject Headings**  
 16. **Classification**  
 17. **Indexing**  
 18. **References**  
 19. **Appendix**  
 20. **Index**  
 21. **Table of Contents**  
 22. **Abstract**  
 23. **Summary**  
 24. **Key Words**  
 25. **Keywords**  
 26. **Subject Headings**  
 27. **Classification**  
 28. **Indexing**  
 29. **References**  
 30. **Appendix**  
 31. **Index**  
 32. **Table of Contents**  
 33. **Abstract**  
 34. **Summary**  
 35. **Key Words**  
 36. **Keywords**  
 37. **Subject Headings**  
 38. **Classification**  
 39. **Indexing**  
 40. **References**  
 41. **Appendix**  
 42. **Index**  
 43. **Table of Contents**  
 44. **Abstract**  
 45. **Summary**  
 46. **Key Words**  
 47. **Keywords**  
 48. **Subject Headings**  
 49. **Classification**  
 50. **Indexing**  
 51. **References**  
 52. **Appendix**  
 53. **Index**  
 54. **Table of Contents**  
 55. **Abstract**  
 56. **Summary**  
 57. **Key Words**  
 58. **Keywords**  
 59. **Subject Headings**  
 60. **Classification**  
 61. **Indexing**  
 62. **References**  
 63. **Appendix**  
 64. **Index**  
 65. **Table of Contents**  
 66. **Abstract**  
 67. **Summary**  
 68. **Key Words**  
 69. **Keywords**  
 70. **Subject Headings**  
 71. **Classification**  
 72. **Indexing**  
 73. **References**  
 74. **Appendix**  
 75. **Index**  
 76. **Table of Contents**  
 77. **Abstract**  
 78. **Summary**  
 79. **Key Words**  
 80. **Keywords**  
 81. **Subject Headings**  
 82. **Classification**  
 83. **Indexing**  
 84. **References**  
 85. **Appendix**  
 86. **Index**  
 87. **Table of Contents**  
 88. **Abstract**  
 89. **Summary**  
 90. **Key Words**  
 91. **Keywords**  
 92. **Subject Headings**  
 93. **Classification**  
 94. **Indexing**  
 95. **References**  
 96. **Appendix**  
 97. **Index**  
 98. **Table of Contents**  
 99. **Abstract**  
 100. **Summary**  
 101. **Key Words**  
 102. **Keywords**  
 103. **Subject Headings**  
 104. **Classification**  
 105. **Indexing**  
 106. **References**  
 107. **Appendix**  
 108. **Index**  
 109. **Table of Contents**  
 110. **Abstract**  
 111. **Summary**  
 112. **Key Words**  
 113. **Keywords**  
 114. **Subject Headings**  
 115. **Classification**  
 116. **Indexing**  
 117. **References**  
 118. **Appendix**  
 119. **Index**  
 120. **Table of Contents**  
 121. **Abstract**  
 122. **Summary**  
 123. **Key Words**  
 124. **Keywords**  
 125. **Subject Headings**  
 126. **Classification**  
 127. **Indexing**  
 128. **References**  
 129. **Appendix**  
 130. **Index**  
 131. **Table of Contents**  
 132. **Abstract**  
 133. **Summary**  
 134. **Key Words**  
 135. **Keywords**  
 136. **Subject Headings**  
 137. **Classification**  
 138. **Indexing**  
 139. **References**  
 140. **Appendix**  
 141. **Index**  
 142. **Table of Contents**  
 143. **Abstract**  
 144. **Summary**  
 145. **Key Words**  
 146. **Keywords**  
 147. **Subject Headings**  
 148. **Classification**  
 149. **Indexing**  
 150. **References**  
 151. **Appendix**  
 152. **Index**  
 153. **Table of Contents**  
 154. **Abstract**  
 155. **Summary**  
 156. **Key Words**  
 157. **Keywords**  
 158. **Subject Headings**  
 159. **Classification**  
 160. **Indexing**  
 161. **References**  
 162. **Appendix**  
 163. **Index**  
 164. **Table of Contents**  
 165. **Abstract**  
 166. **Summary**  
 167. **Key Words**  
 168. **Keywords**  
 169. **Subject Headings**  
 170. **Classification**  
 171. **Indexing**  
 172. **References**  
 173. **Appendix**  
 174. **Index**  
 175. **Table of Contents**  
 176. **Abstract**  
 177. **Summary**  
 178. **Key Words**  
 179. **Keywords**  
 180. **Subject Headings**  
 181. **Classification**  
 182. **Indexing**  
 183. **References**  
 184. **Appendix**  
 185. **Index**  
 186. **Table of Contents**  
 187. **Abstract**  
 188. **Summary**  
 189. **Key Words**  
 190. **Keywords**  
 191. **Subject Headings**  
 192. **Classification**  
 193. **Indexing**  
 194. **References**  
 195. **Appendix**  
 196. **Index**  
 197. **Table of Contents**  
 198. **Abstract**  
 199. **Summary**  
 200. **Key Words**  
 201. **Keywords**  
 202. **Subject Headings**  
 203. **Classification**  
 204. **Indexing**  
 205. **References**  
 206. **Appendix**  
 207. **Index**  
 208. **Table of Contents**  
 209. **Abstract**  
 210. **Summary**  
 211. **Key Words**  
 212. **Keywords**  
 213. **Subject Headings**  
 214. **Classification**  
 215. **Indexing**  
 216. **References**  
 217. **Appendix**  
 218. **Index**  
 219. **Table of Contents**  
 220. **Abstract**  
 221. **Summary**  
 222. **Key Words**  
 223. **Keywords**  
 224. **Subject Headings**  
 225. **Classification**  
 226. **Indexing**  
 227. **References**  
 228. **Appendix**  
 229. **Index**  
 230. **Table of Contents**  
 231. **Abstract**  
 232. **Summary**  
 233. **Key Words**  
 234. **Keywords**  
 235. **Subject Headings**  
 236. **Classification**  
 237. **Indexing**  
 238. **References**  
 239. **Appendix**  
 240. **Index**  
 241. **Table of Contents**  
 242. **Abstract**  
 243. **Summary**  
 244. **Key Words**  
 245. **Keywords**  
 246. **Subject Headings**  
 247. **Classification**  
 248. **Indexing**  
 249. **References**  
 250. **Appendix**  
 251. **Index**  
 252. **Table of Contents**  
 253. **Abstract</**

1 1 0 0 1 0 0 0 0 0 0 0 0

"

Cnwo kpwo "Rqwtkpi "

Vj ku'gz go r vkp'ku'kpenmf gf "kp"vj g"gz kunkpi "twrg"cpf "y kn'dg"tgckp gf "kp'r ctei tcr j "m\*8+"qh"RCT"36290' Vj ku'gz go r vkp'cf f tguugu"ctgcu"kp"vj g"rtqzko kq "qh"y j gtg"rcf ngu."rcwpf gtu."cpf "qvj gt"gs vkr o gpv'ctg'wugf "vq"eqpxg{"cnwo kpwo "htqo "c"o gnkpi "qt"j qrf kpi "hwtpege"vq"ecukpi "gs vkr o gpv'Ukpeg"vj gug'cevxxkkgu'kpxqrg"tcpuhtg"qh'o qnrgp"o cvgtkn'k/ku'dgrkxgf "vj cvqpnf "o kplo cnlgo kuukapu"y kn'dg"lpxqrgf."dw"vj g'r qvgpvcn'hqt"mquugu'f wg"vq"ur knkpi "qh'o cvgtkn'ukn'gz kuw0Cu'uwej."uchh'dgrkxgu"vj cv'j qwugnggr kpi "cpf "tgeqt f nggr kpi "tgs vkt go gpw'y kn'uw hkekp'lp"o kki cvkpi "hwi kxkg"mquugu0'

Twrgu'3642."364208"cpf "364204"o'Ngcf "Twrgu"

Gs vkr o gpv'qt"qr gtcvkpu"vj cv'ctg'uwdlgev"vq"vj g'rgcf "twrgu'hkugf "cdqxxg"ctg"gz go r vgf "kp'r ctei tcr j "m\*9+"cpf "m\*: +dgecwug"vj g{"ctg"ewtgpvn{"uwdlgev"vq"tgs vkt go gpw'y j kej "ctg"lwuv"cu"qt"o qtg"utkpi gpv'hqt"r qkp'v'uwtege"cpf "hwi kxkg"go kuukap"eqpvtqn'vj cp"vj g'tgs vkt go gpw'qh"RCT"3629."y kj "qpg"gzegr vkp"htq"Twrgu"3642"cpf "364204"gs vkr o gpv'cpf "qr gtcvkpu0' Vj g"gzegr vkp"ku"vj g"tgs vkt go gpv'hqt"ci cu'utgco "vj cv'gzeggf u'582'f gi tggU'Hz tgpj gk'tgs vktkpi "vj g'eqpvtqn'f gxleg"vq"o ggv"c"eqpvtqn'ghhkegpe{"qh"; ; "r tgegpv'qt"o qtg"htq"eqpvtqnkpi "ctugple"cpf "ecf o kwo "go kuukapu0' Vj gtghqtg."gs vkr o gpv'cpf "qr gtcvkpu"uwdlgev"vq"Twrgu"3642"cpf "364204"ctg"gz go r v'htqo "cmi'tgs vkt go gpw'qh'vj g'twrg'gzegr v'htq"vj ku'r tqxkukap"\*f +\*7+0K'cvluo g'hwwt g'f cvg."Twrg'3642"qt"364204"ctg"co gpf gf "vq"cf f tguu"ctugple"go kuukapu."vj gp"gs vkr o gpv'cpf "qr gtcvkpu"uwdlgev"vq"Twrgu"3642"qt"364204'y kn'dg"gz go r v'htqo "cmi'tgs vkt go gpw'qh'Twrg"36290'Gs vkr o gpv'cpf "qr gtcvkpu"uwdlgev"vq"Twrg'364208"ctg"gz go r v'htqo "vj g'gpvt gv{"qh"Twrg"3629"dgecwug"Twrg'364208"j cu'ku'qy p'ctugple"ucpf ctf u0C"heekkv{"vj cv'ku'uwdlgev"vq"Twrg'3642"qt"364204"dw'cnq"j cu'hwtpegu"vj cv'o gn'pqp/ej tqo kwo "o gvcn."gzenwf kpi "rgcf."y qwf "dg"tgs vkt gf "vq"eqo r n{"y kj "RCT"3629"htq"vj qug"pqp/ej tqo kwo "o gvcn'o gnkpi "hwtpegu0'

J gcmj "TkumCuuguuo gpv'qt"Ckt"Vqzleu"Kpxgpvt {"Tgr qtv"

Tkum'pcn'ugu'f go qpvtcvg"vj g'tkum'heekkv{"r qugu"vq"vj g'uwttqwpf kpi "eqo o wpkv'0Vj gtghqtg."RCT"3629"kpemf gu'cp"gz go r vkp'kp'r ctei tcr j "m\*: +htq'heekkvkku'y kj "c"J gcmj "TkumCuuguuo gpv'y kj "c"o czlo wo "lpf kxkf wcn'ecpegt"tkum'guu"vj cp"vgp'lp"qpg"o knkqp"qt"cp"Ckt"Vqzle"Kpxgpvt {"Tgr qtv"y kj "c"heekkv{"Rtkqtkv{"Ueqtg"qh"ngu"vj cp"vgp0' heekkvkku"vj cv's wcrkv{"y kn'dg"gz go r v'htqo "uudf kxkukp"\*f +\*cpf "y kn'bpv'dg"tgs vkt gf "vq"r w'qp"cf f kxkpcn'eqpvtqn0'

Ockpvgpcpeg"

Dtcj kpi ."fkr "uqrf gtkpi ."o gvcn'ewwki ."qt"o gvcn'i tlpf kpi "eqpf wevgf "htq"o ckpvgpcpeg"r wtr qugu."kpenmf kpi "tgr ckt"qh'gs vkr o gpv'cpf "utwewtgu."ctg'pqv'uwdlgev"vq"vj g'tgs vkt go gpw'qh'vj ku'twrg0Vj gug"qr gtcvkpu"ctg'pqv'eqpf wevgf "qp'r tqf wev"vj cv'ctg'kpvgpf gf "htq"ucrg0'

***Digestion of Metal Aluminum Sample for Determining Arsenic (Attachment A)***

O kpat"ej cpi gu'y gtg"o cf g"vq"Cwcej o gpv'C"htq"emtkheekvp"r wtr qugu"qpn0'

***Smoke Test to Demonstrate Capture Efficiency for Emission Collection Systems of an Emission Control Device (Attachment B)***

Cwcej o gpv'D"ur gekkku"vj g"o gvj qf "htq"r gtlkf le"uo qng"vguu"vq"f go qpvtcvg"s wcrkvkxg"ecr wtg"ghhkegpe{"htq"go kuukap"eqngevkp"u{ ugo u"qh'cf f /qp"ckt"r qmwkqp"eqpvtqn'f gxleg"u"r wtuwcpv"vq"r ctei tcr j "k\*7+0C"uo qng'i gpgtcvt "ku'r megf "y kj kp"vj g'ctgc"y j gtg"eqngevkp"qh'go kuukapu'd{"vj g"xgpv'kvkqp"u{ ugo "tgxgcn"vj g'ecr wtg"ghhkegpe{"0Vj g'vgu'ku'eqpf wevgf "y j krg"vj g'go kuukap"eqpvtqn'f gxleg"ku"kp"pqto cn'qr gtcvkp"cpf "wpf gt"v{r kecn'f tchv"cpf "etquu'f tchv'eqpf kxkpu0Cp"ceegr wdrig"

"

uo qng'v'guv'uj cml'f go qputcv'c"fk'gev'utgco "v'q'yj g'eqmgev'kqp'm'ecv'kqp\*u+"qh'yj g'xg'p'k'v'kqp'u{uvgo "y kj qw'guecr kpi 0'Vj g"r g'k'q'f'le"uo qng'v'guv'tgs w'k'go gpv'qh"RCT"3629"y km'pqv'dg"tgs w'k'gf "kh"r g'htqto kpi "uwej "c"v'guv'r t'gugpvu'cp"v'p'tgcuqpcdr'g'tkum'v'q'uchgv'0Cp"gzco r'ng"qh'uwej "v'p'tgcuqpcdr'g'tkum'v'q'uchgv'k'pen'f'gu'j cxl'kpi "v'q"eqpf w'ev'c"uo qng'v'guv'c'v'eqmgev'kqp"uk'gu'yj cv'y q'w'f "dg"gz'vtgo gn'f cpi g'tqwu."kh'pqv'f gcf n'f."hqt"uqo gdqf {"v'q'y q'tm'k'p'yj cv'eqmgev'kqp"} qpg0'

"

## CHAPTER 3: IMPACT ASSESSMENT

---

RP VTQF WEVIQP "

CHHGEVGF "HCEKNK/GU"

EQO RNKCP EG"EQUVU"

GO KUUKP U'KO RCEV"

UQEIQGEQP QO Æ "CUUGUO GP V"

ECNKHQTP IC"GP XKTP O GP VCN'S WCNK\ "CEV""

FTCHV'HHP F RP I U'WP F GT'ECNKHQTP IC"J GCNVJ 'CP F 'UCHGV\ 'EQF G'UGEVIQP "

62949"

" P geguukv{ "

Cwj qtkv{ "

Erctkv{ "

Eqpukvgepe{ "

P qp/F wr rdecvkqp"

T ghtgpeg"

EQO RCTCVKXG'CP CN\ UKU""

"

"

"



## INTRODUCTION

RCT"3629"ku'guko cvgf "q"chgey76'82"o gcn'o gmkpi 'hcekkkgu'kpenw'kpi "y qug'y cv'o gn'cno kpo ."  
dtcuu."dtqpl g."eqr r gt."cpf "l kpe0Vj gug'hcekkkgu'kpenw'g'ugeqpf ct {"uo gngtu."hqwptkgu."f kg/ecuvgtu."  
i cnkcpk kpi "cpf "kppkpi "eqcvkpi "qr gtcvkpu."cpf "qy gt"o kuegmcpqwu" r tqeguugu"uwej "cu" f kr "  
uqrf gt kpi ."dtc| kpi "cpf "cno kpo "r qy f gt"eqcvkpi "r tqf wevkp0"

## AFFECTED FACILITIES

Vj g'hcekkkgu'uwdlgev'q"RCT"3629"y gt g'kf gpv'kkgf "d {"tgxkgy kpi "Uqwj "Eqcu'CS O F "r gto ku'hqt"  
o gcn'o gmkpi "hwtpegu."tgxkgy kpi "Uqwj "Eqcu'CS O F "kpur gevqp" tgr qtu" hqt" o gcn'o gmkpi "  
hcekkkgu."kpwtpgv'ugctej gu'hqt'hcekkkgu'y cv'q'hgt"o gcn'o gmkpi "ugt xlegu."cpf "ukg'xkuku0'kpwtpgv'  
ugctej gu'y gt g'eqpf wevgf "q"mcev'g'hcekkkgu'y j gt g'y g'hwtpegu" f q"pqv'tgs vkt g"r gto ku0'hcekkkgu"  
y cv'eqpf wevj gcv'tgcvkpi "qt"qy gt"b gcn'y qtnkpi "qr gtcvkp'dw'f q'pqv'o gn'y g'b gcn'y gt g'gzenw'gf 0'  
Cf f kkpem'."hcekkkgu'y cv'o gn'o gcn'eapvckpki "ej tqo kwo "y gt g'gzenw'gf "cu'y g {"y knidg'uwdlgev"  
q"RT"36290'Nkgy kug."hcekkkgu'y cv'g'zenw'k'gn' "o gn'o gcn'eapvckpki "rgcf "y gt g'gzenw'gf "cu"  
y g {"ctg'uwdlgev'q"Twg"3642"o"Go kuukpu"Ucpf ctf "hqt"Ngcf . "Twg"36420"o"Go kuukp"Ucpf ctf u"  
hqt"Ngcf "cpf "Qy gt"Vqzle"Ck "Eqpwo kpcpw"htqo "Ncti g"Ngcf /Cekf "Dcwgt {"hcekkkgu."qt"Twg"  
36420" o" Go kuukpu" Ucpf ctf u" hqt" Ngcf " htqo " O gcn' O gmkpi " Hcekkkgu0' Uchh' eqpf wevgf "  
cr r tqzko cvgn' "52"ukg'xkuku"q"xctkqu"o gcn'o gmkpi "qr gtcvkpu0'F wtkpi "y gug'ukg'xkuku."uchh'  
i cvj gt g'f "hcekkkgu" "qr gtcvkpu" kphqto cvkpi "cpf "f cv" tgr cvg'f "q" o gmkpi "hwtpegu."cp {"cuuqekvgf "  
eqpvtqri'gs wkr o gpv."cpf "v{r gu"cpf "co qwpw"qh'cmj {u'o gngf 0'Dcugf "qp"Uqwj "Eqcu'CS O F "uchh"  
cpcn{uku'qh'eqo r rkepeg"cpf "r gto kpkpi "f cv."y gt g'ctg"cr r tqzko cvgn' "76'82'hcekkkgu'k'p'y g'F kntlev'  
y cv'o ggv'y g'cr r rcdckk {"tgs vkt go gpw'qh'y g'r tqr qugf "twg"co gpf o gp0'

## COMPLIANCE COSTS

Eqo r rkepeg" equu" ctg" guko cvgf "d {" qdugtxcvkpu" htqo "ukg" xkuku" cpf "tgxkgy "qh" r gto kwgf "  
gs wkr o gp0'Vj g'equu'ctg"guko cvgf "d {"cewen'equu'r tqxkf gf "d {"hcekkkgu."xgpf qt's wqgu."cpf "equu"  
guko cvgu'htqo "qy gt"twgu'y kj "uko krt "tgs vkt go gpw0"

Cm76'82'hcekkkgu'uwdlgev'q"RCT"3629"y knidg'tgs vkt gf "q"eqpf wevj qwugngr kpi "cpf "q"o clpvcip"  
tgeqtf u0'P gctn' "cm'hcekkkgu'crtgcf {"eqpf wev'y ggm {"ergcpkpi 0'Eqxgtkpi "eqpvckpgtu"j qrf kpi "f wuv/  
hqt o kpi "o gcn'eqpvckpki "uri . "f tquu."cpf "tcuj "ecp"dg'ceeqo r rkuj gf "d {"c'uko r ng'eqpvckpgt'y kj "c"  
eqxgt" qt" ngr kpi "y qug"o cvgtknu" y kj kpi "c" dwkf kpi "gpenquwtg0' Dwkf kpi "gpenquwtg" equu" ctg"  
f guetkdgf "dgmj 0'kpur gevqp'qh'eqpvtqri'f gxleg'eqmgevqp'r qkp'w'ku'tgs vkt gf "s wctvtn' 0'Vj g'tgo qxcn'  
qh'c'y gcvj gt "ecr "ku"qpg/wk g'cev'kxk' 0'P gctn' "cm'hcekkkgu'crtgcf {"enqugn' "tcem'y g'ur gekcvkp'qh"  
o gcn'kpi "y g"o gngf "o gcn'cpf "eqpf wev'y ggm {"j qwugngr kpi 0'hcekkkgu'ctg"gzr gev'f "q"tgeqtf "  
j qwugngr kpi "cev'kxk'gu'r wtuwcpv'q"uwdf kxkukp" \*g+."o clpvgpcepeg"qh'eqpvtqri'f gxlegu'r wtuwcpv'q"  
uwdf kxkukp" \*1+."cpf "o clpvcip"uqwtg'guv'tgr qtu."go kuukp"eqpvtqri'f gxleg'f cv."cpgo qo gvg'f cv."  
cpf "uqwtg'guv'f qewo gpvcvkp'qp"ukg0'Dqy "r tqr qugf "j qwugngr kpi "cpf "tgeqtf ngr kpi "r tqxkukpu"  
ctg"gzr gev'f "q"ketgcug'rcdt "equu'guu'y cp"83.222"cppwcm' 0"

Cm'hcekkkgu'ctg"cuuwo gf "q"tgs vkt g'y g'r wtej cug"qh" c"J GRC"xcewwo "u{uwo 0'Tkf kpi "xcewwo "  
J GRC"uy ggr gtu"equu"cp" guko cvgf "83.722"cpf "y qwf "dg"wkrf gf "d {"35'39"rti gt "hcekkkgu0'  
Dcenr cenxcewwo "J GRC"gs wkr o gpv'ku'cr r tqzko cvgn' "822"cpf "y qwf "dg'wkrf gf "d {"y g'tgo clpki "  
63'65'hcekkkgu0'Uchh'guko cvgu'y cv'36'39"qh'y g'76'82'hcekkkgu" \*48'4: "r gtegpv'uwdlgev'q"RCT"  
3629"y qwf "rkngn' "tgs vkt g'uqo g'o kpqt "dwkf kpi "wr i tcf gu'q"cf f tguu'f qqtu'qt"qr gpkpi u'q"eqo r n "  
y kj "uwdf kxkukp" \*h"o "Dwrf kpi "Gpenquwtgu0'0 kpqt "dwkf kpi "wr i tcf gu'ctg"gzr gev'f "q"j cxg" c"qpg/

ʋo g'equv'qh'&6.222'r gt'hcekɪv\ 'hqt'hqwt'hcekɪkɪgu'v'kpuxmɪtqm/wr 'fqqtu0Cpqj gt'vɔp'hcekɪkɪgu'ctg"  
 gʒr gevɣf 'v'kpuxmɪr mɪwke'ewtɔkpɪ'cv'c'equv'qh'&.222'r gt'hcekɪv\ 0Hqwt'hcekɪkɪgu'ugxgp'r gtegpv"  
 ctg'gʒr gevɣf 'v'ts wkt'geqputwekɔp'qh'dwɪf kpi "gpenqumtgu'v'eqo r n\ 'y kj 'RCT'36290Vj g'equv'qh"  
 yj g'gpenqumtgu'ku'cr r tqzko cvgn\ '&373.722'hqt'yj g'geqputwekɔp'qh'ppg'y cmiqt'dcttkt'dcugf'qp'equv"  
 guko cvgu'htqo "uko kɪt'ceɔxkɪgu'ts wktgf'kp'r tqr qugf'co gpf gf'Twɔ'36420'6'Go kuukpu'Ucpf ctf u"  
 hqt"Ngcf "htqo "O gɪvɪ'O gɪkpi "Hcekɪkɪgu'0'Vj g'guko cvg'hqt"yj g'pwo dgt'qh'hcekɪkɪgu'pggf kpi "  
 eqputwekɔp'ku'htqo "ukɔ'xkuku'v'yj g'hcekɪkɪgu'0"

Uo cmgt 'hcekrkku'v' r lecm' 'wug'kpi qv.'dkngv.'cpf 't'gtwp'uetcr 'cpf 'y knihknkn' 's wcrkh' 'hqt'y' g'O gverlqt" Cmq { 'Rwtkv' 'Gz go r vkp'r wtuwcpv'q'r ctcit tcr j' \*m<sup>5</sup>-0'hcekrkku'y cv's wcrkh' 'hqt'y' g'O gverlqt'Cmq { 'Rwtkv' 'Gz go r vkp'ctg'qpn' 'tgs wktgf 'vq'qr gtcvg'y kj kp'c'dwkrf kpi 'gperquwtg.'eqpf wevj qwugmgr kpi ." cpf 'o clpvcip'tgeqtft u0Vj g' 'ctg'gzr gevef 'vq'j cxg'pq'hwvj gt'equu0"

Vj tveggp "Hhggp" rcti gt "hcekkkgu" y kn'pqv' dg" gni kng" hqt "vj g" O gxcn' qt "Cm { "Rwkv { "Gzgo r vkp" dgecwug" y gk "vj tqwi j r w'ku" rcti gt "vj cp": .622" vqup' r gt " { gct "qh'pqp/ ej tqo kw o' o gxcn' cpf "vj gt ghqtg" y kn' dg" uwdlgev' vq "vj g' r qkp' v' uqwt eg" tgs vkt go gpw' qh' r ctc i tcr j " \*f +3+0 Vq "f go qpwt cvg" eqo r rncpeg" y kj " \*f +3+ " uqwt eg" vgnkpi "y kn' dg" tgs vkt gf " lpkklcm { " cpf "vj gp" gxgt { "82" o qpjv u' vj gt gchgt "r wtuwcpv" vq "r ctc i tcr j " \*j +5+0 K' ku" gunko cvgf "vj cv' uqwt eg" vgnkpi "y kn' equv" &43.222" r gt "uqwt eg" vgu0 Hqt" vpeqpvtqmgf "hwt pcegu. c" uqwt eg" vguv' tguwv" o c { "dg" cr r rkgf "vq" hwpkvqpcn { "uko krt "hwt pcegu0 Uchh" gunko cvgf "vj g" hmqy kpi "pwo dgt "qh' uqwt eg" vguv" gcej "hcekkv { "y kn' dg" tgs vkt gf "vq" r gthqto "vq" f go qpwt cvg" eqo r rncpeg" <Hhggp" ugx gpvggp "hcekkkgu" ctg" g' zr gevdf "vq" eqpf vev' qpn { "qpg" uqwt eg" vguv" plpg "hcekkkgu" y kn' pggf "vq" eqpf vev' y q "uqwt eg" vguv" y q "hcekkv { "y kn' pggf "vj tgg" uqwt eg" vguv" cpf " c' hpcn { hcekkv { "ku" g' zr gevdf "vq" eqpf vev' hqt "uqwt eg" vguv0"

Vj g'r t q x k u k p u " k p " r c t c i t e r j " \* f + 3 + " c m q y u " c " h c e k k v { " v q " 3 + " k p u c m ' e q p t q n ' g s w k r o g p v ' j c v ' t g f w e g u " c t u g p l e . ' e c f o k w o . " c p f " p l e n g n ' g o k u k q p u ' d { " ; ; ' r g t e g p v ' g c e j " 4 + f g o q p u t c v g ' j t q w i j " u q w t e g ' v g u k p i v j c v ' c p p w e n ' o c u u " g o k u k q p u ' c t g " d g n y " c " n o k u " u r g e k k g f " k p " r c t c i t e r j " \* f + 4 + " q t " 5 + " w k k g " c " e q o d k p c v k p " q h ' e q p t q n ' g s w k r o g p v ' c p f " u q w t e g ' v g u k p i " v q " f g o q p u t c v g ' j c v " ; ; ' r g t e g p v ' t g f w e k a p " q t " c p p w e n ' o c u u ' g o k u k q p u ' c t g ' c e j l g x g f O O q u v h c e k k k g u ' y k n i ' e q p f w e v u q w t e g ' v g u k p i " v q " f g o q p u t c v g ' j c v " v j g { " o g g v ' c p p w e n ' o c u u ' g o k u k q p " n o k u ' c u ' j c v k u ' j g " n y g u ' e q u v ' q r v k p O H q t " w p e q p t q m g f " h w t p c e g u . " c " u q w t e g ' v g u ' o c { " d g " c r r n g f " v q " h w p e v k a p c m { " u k o k r c t " h w t p c e g u O P k p g " h c e k k k g u " c t g " g z r g e v g f " v q " q p n { " e q p f w e v u q w t e g ' v g u k p i O " }

Hqwt'hcekkkgu'ctg'guko cvgf "vq'tgs wkt'g'y g'kpucm'vqp'qh'vqp"eqpvtqnl'f gxlegu'cv'cp'guko cvgf "equv'qh'&478.222"r gt'eqpvtqnl'f gxlegu'f'cf f kkp'vq'kpucm'vqp'equv'v'y gt'g'y qwf "dg'qp/i kqpi 'qr gtcvpi "cpf 'o clpvgpcpeg'equv'hqt'v'y g'qr gtcvqp'qh'v'y g'eqpvtqnl'f gxlegu'guko cvgf 'cv'&497.222'cppwcm'f'r gt'eqpvtqnl'f gxlegu'Hqt'hcekkkgu'qr gtcvpi "eqpvtqnl'f gxlegu."RCT"3629'tgs wkt'gu'c'r tguwt'g'i cwi g'cpf "f cv'c'ces wukkp'u'f ugo "cv'c'qp'g'vko g'equv'qh'&83.6220'Dci j qwugu'ctg'cnuq'tgs wkt'gf "vq'j c'xg'c" dci j qwug'hgcmf'gvgv'vqp'u'f ugo "cv'c'equv'qh'&83.7220Cpgo qo gvg't'equv'hqt'gcej "dci j qwug'ku'&83.222" r gt'cpgo qo gvg't'Uqv'xgmek'f'v'guv'ctg'g'zr gvg'f "vq'equv'& 2'r gt'ugv'qh'v'guv'r gt'go kkkqp'eqpvtqnl'f gxleg'hqt'c"v'qcn'qh'&4.462'gxgt'{"uk'z'o qp'y u'Vj gt'g'y km'cnuq'dg'cp'qp/i kqpi "tgs wkt'go gpv'vq'eqpf wev'uo qmg'v'gukpi 'cv'cp'cppwcm'equv'qh'&722'hqt'gcej "qh'v'y g'eqpvtqnl'f gxlegu'

██████████

<sup>1</sup> HpcnUqelqgeppqo le "K r e vC u g u o g p v h t R t q r q u g f C o g p f g f T w g 364204 6 G o k u k p u U c p f c t f u h t N g c f h t q o " O g x r O s n k p i H e k r k k e u U q w i E q c u C S O F . Q e a d g t 4237

<sup>2</sup> EquvTgr qtuv"cpf "I wkf cpeg"lqt"Ck"Rqmwkqp"Tgi wrwkpqu"ó"GRC"Ck"Rqmwkqp"Eqpvtqn"Equv'O cpwcn"WLU"GRC."  
ceegungf "Lxpq"423; .j wr uily y y Qgr cfl qxlgeqpqo le/cpf/equv/cpcnf uku/ck/r qmwkqp/tgi wrwkpulequv/tgr qtuv/cpf/  
i wkf cpeg/ck/r qmwkqp

Vj g'gunko cvgf "vqcnlequu'd{ "gZR gpug'hqt'cmihcekrkkgu'uwldgeV'q'RCT'3629'ku'r tguPvgf 'lp'Vcdrg'5/3'dgrqy 0'Vj g'vqcn'r tguPv'y qtvj "xcnwg'equu'vq'o ggv'vj g'4242'f gcf rkg'ku'&6503'5'o knkqp"vq"&7; 0'8'o knkqp'wukpi "c'6'r gtegpv'qt'3'r gtegpv'f kueqwpv'tcvg'tgur gevkg'gn'0'Dgy ggp"&706'cpf "&806'o knkqp'ctg"qpg/vko g'equu'cr r rkecdrg'lp'4242'y j kg"&5905: 0'o knkqp"vq"&740-7504'o knkqp'ctg'tgewt'kpi "equu'qxgt'c'43" { gct'r g'gkqf 0'

Table 3-1: Total Costs by Expense Type

Cost Categories	Present Worth Value (2019)		Annual Average (2019-2040)	
	1% Discount Rate	4% Discount Rate	1% Real Interest Rate	4% Real Interest Rate
<b>One-Time Cost</b>				
Dci j qwug, , "	&6.999.222"	&5.; 84.222"	&467.222"	&4: 9.222"
Dci 'rgcnlf ggevkp" u{ vgo, , "	&58.222"	&52.222"	&4.222"	&4.222"
Rt guwtg'i cwi g'y kj " FCU, , "	&56.222"	&4: .222"	&4.222"	&4.222"
Cpgo qo gvg, , "	&46.222"	&42.222"	&3.222"	&3.222"
O clqt'gperuwtg, , , "	&849.222"	&824.222"	&54.222"	&65.222"
Tqm'w'f qqtu, , , "	&3: 4.222"	&397.222"	&. .222"	&34.222"
Rrcuk'e'w'ckpu, , , "	&324.222"	&: .222"	&7.222"	&9.222"
Tkf gt'J GRC'xcewo, , "	&729.222"	&634.222"	&48.222"	&4; .222"
Dcenr cem'J GRC" xcewo, , "	&5.222" : : .222"	&8: .222" 93.222"	&6.222"	&7.222"
<b>Total one-time cost</b>	<b>\$6,372,000</b> <b>\$6,377,000</b>	<b>\$5,395,000</b> <b>\$5,398,000</b>	<b>\$326,000</b>	<b>\$388,000</b>
<b>Recurring Cost</b>				
Dci j qwug'cppwcn' o clpvgpcpeg"	&6: .857.222"	&56.767.222"	&4.6; ; .222"	&4.6; ; .222"
Uo qng'v'guv"	&6; 7.222"	&574.222"	&47.222"	&47.222"
Uqwtg'v'guv"	&4.874.222" &4.; 78.222"	&3.; ; 7.222" &4.445.222"	&356.222" &36; .222"	&356.222" &36; .222"
Uqv'xgmek{ 'v'guv"	&62.222"	&4: .222"	&4.222"	&4.222"
J qwugnggr kpi "	&3.284.222" &3.323.222"	&9: 2.222" & 2; .222"	&76.222"&78.222"	&76.222"&78.222"
<b>Total recurring cost</b>	<b>\$52,884,000</b> <b>\$53,227,000</b>	<b>\$37,700,000</b> <b>\$37,957,000</b>	<b>\$2,714,000</b> <b>\$2,731,000</b>	<b>\$2,714,000</b> <b>\$2,731,000</b>
<b>Total</b>	<b>\$59,257,000</b> <b>\$59,604,000</b>	<b>\$43,095,000</b> <b>\$43,355,000</b>	<b>\$3,041,000</b> <b>\$3,059,000</b>	<b>\$3,102,000</b> <b>\$2,731,000</b>

P qvg<Xcnwgu'tqwpf gf "vq'pgctguv'vj qwucpf 'f qmctu"  
 , Equv'cppwcn' gf "qxgt'8" { gctu"  
 , , Equv'cppwcn' gf "qxgt'32" { gctu"  
 , , , Equv'cppwcn' gf "qxgt'42" { gctu"

V{r lecn'equv'd{ 'hceklkv{ 'v{r g'ku'r tqxkf gf 'kp'Vcdrg'5/4'dgrqy 0Hqt'c'uo cm'hceklkv{ .k'ku'cuuwo gf 'y cv' o kpat'dwkrf kpi 'w i tcf gu'ctg'pggf gf 'y qwi j 'y cv'ku'v w g'kp'37"qh'63"uo cm'hceklkv{0Hqt'c'rti g' hceklkv{ 'r tqeguulpi 'rqy /Cu'cpf 'rqy /Ef'o gvcn. 'k'y cu'cuuwo gf 'y cv'qpn{ 'o kpat'dwkrf kpi 'w i tcf gu' y gtg'pgeguuct{ 'y qwi j 'qpg'hceklkv{ 'y qwf 'tgs vkt g'gpenquwt g'eqput wekqp0Hqt'g'tgo clp kpi 'rti g' hceklkv{.k'ku'cuuwo gf 'y cv'y q'uqwtg'vuu'y qwf 'dg'pgeguuct{ . 'gpenquwt g'eqput wekqp'ku'tgs vkt gf . " cpf 'y cv'c'pgy 'eqptqnf gxleg'y qwf 'dg'pgeguuct{0'

Table 3-2: Total Costs by Facility

Facility size"	Number potentially affected facilities	Total cost if all PAR 1407 expenses made in 2019	Annualized cost
Uo cm="pq"gz kwp i " go kuukpu'eqptqn' f gxleg0'	5÷63"	&72.222"	&5.222"
Uo cm="y kj "gz kwp i " go kuukpu'eqptqn' f gxleg0'	4"	&37: .222"	& .222"
Ncti g="r tqeguulpi 'rqy " ctugple"cpf 'rqy " ecf o kwo 'o gvcn0'	÷35"	&3.574.222; 82.222"	&8; .2226; .222"
Ncti g="RCT"3629" tgs vkt gu'pgy "go kuukpu" eqptqn'f gxleg" kpucm'vqp0'	6"	&33.3: ; .222"	&797.222"

**Note:** 'C'uo cm'hceklkv{ 'ku'f ghkpgf 'v{r tqeguul'guu'y cp'. .622'vqu'qh'o gvcn' gt "{ gct. 'y j kg'c'rti g'hceklkv{ " ku'f ghkpgf 'v{r tqeguul'. .622'vqu'qh'o gvcn'gt' b qtg'r gt "{ gct0Vqcn'equv'kpen'f gu'cn'qpg'vko g'cpf 'tgewt kpi " equu'g zr gev f 'f wg'vq'RCT"3629'htqo '423; /4262'ht'cp'cxgtci g'hceklkv{ 'kp'gcej 'hceklkv{ /uk'g'ecvgi qt {0' "

## EMISSIONS IMPACT

Ko r ngo gpv'vqp'qh'RCT"3629'y kn'tgf veg'dqvj 'r qkp'v'uwte g'cpf 'hwi k'xg'ctugple.'ecf o kwo . 'cpf lqt' plengn'go kuukpu.'tguu'kpi 'kp'tgf weg'f'co d'kgp'v'ct'eqpegp'v'vqp'qh'y g'vqzle'ct'eqp'vco kpcpv' ctugple.'ecf o kwo . 'cpf'plengn'0Rqkp'v'uwte g'eqptqn'tgf v'kpi 'go kuukpu'd{ "; ; 'r gtegp'y kn'iko k' go kuukpu'htqo 'hmt pcegu.'o gvcn'ewkpi . 'cpf' b gvcn' t'kpf kpi 'qr gtcv'kpu0J qwu'nggr kpi 'cpf' 'dwkrf kpi " gpenquwt gu' y kn'tgf veg' hwi k'xg' go kuukpu'htqo "wpeqptqngf "uqwtegu0' Hwi k'xg' go kuukpu'ctg' f k'h'ew'n' vq' s wcp'vkh{ " dw" j cxg' dggp' uj qy p" vq" dg" c" eqp'v'kdw kpi " hcev't" vq" co d'kgp'v' vqzle'ct' eqp'vco kpcpv'eqpegp'v'vqp0'

RCT"3629'y kn'tgs vkt g'eqptqn'kpi "ctugple.'ecf o kwo . 'cpf'plengn'go kuukpu'htqo "r qkp'v'uwte gu' cuu'qek'v'gf "y kj "o gvcn'o gn'kpi "qr gtcv'kpu0Qy pgt"qt"qr gtcv'qtu'y kn'cnuq"dg'tgs vkt gf "vq"eqpf vev'

uqwtg'vgnkpi 'y cv'y knlr tqxkf g'yj g'Uqwj 'Eqcu'CS O F 'y kj 'f cv'y cv'b c{ 'dg'wugf 'q'lo r tqxg'yj g' s wcpv'khec'vqp'qh'ctugple.'ecf o kwo . 'cpf 'plengn'go kuukpuo'

## SOCIOECNOMIC ASSESSMENT

C'F tch'Uqekqgeqpgo le"K r cevCuuguo gpv'j cu'dggp'r tgr ctgf 'cpf 'tgrgcugf 'cv'rgcu'52'f c{ u'r tlqt "vq'yj g'Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "J gctkpi "qp"RCT"3629"\*ewtgpv{ "uej gf wrgf "hqt "Ugr vgo dgt'8.'423; +0'

## CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

RCT"3629"ku'eqpukf gtgf "c"õr tqlgexö"cu'f ghkpgf "d{ "y j g'Ecnkhtpke"Gpxktqpo gpvcn'S wcrkv{ "Cev" \*EGS C+"cpf "y j g'Uqwj "Eqcu'CS O F "ku'yj g'f guki pcvgf "rgcf "ci gpe{ O'Rwtuwcgv"vq"Uqwj "Eqcu'CS O F"au'Egtvkhgf "Tgi wrcvt{ "Rtqi tco "Rwdnle"Tuqwtugu"Eqf g"Ugevkqp"432: 207"cpf "EGS C" I wkf grikpgu"Ugevkqp"37473\*n="eqf khgf "kp"Uqwj "Eqcu'CS O F "Twrg"332+"cpf "EGS C" I wkf grikpgu"Ugevkqp"37292."y j g'Uqwj "Eqcu'CS O F "j cu'r tgr ctgf 'c'Hkpcn'Gpxktqpo gpvcn'Cuuguo gpv\*GC+"hqt "RCT"3629."y j lej 'ku'c'uwdukwg'EGS C'f qewo gpv.'r tgr ctgf 'kp'khw'qh'c'P gi cvkxg'F geritcvkqp0Vj g' gpxktqpo gpvcn'cpcn'uku'kp"y j g' Hkpcn'GC"eqpenmf gf "y j cv' RCT"3629"y qwf "pqv"i gpgtevg"cp{ "uki pkhlecgv'cf xgtug"gpv'kto r ceu'Vj g'Hkpcn'GC"j cu'dggp'kpenmf gf "cu'cp'cwcej o gpv'vq" y j g'I qxgtplpi "Dqctf 'r cemci g0Rtkqt"vq'o cnkpi 'c'f gekukqp'qp'yj g'cf qr vqp'qh'RCT"3629."y j g'Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "o wuv'tgxky "cpf 'egt'vkhgf "y j g'Hkpcn'GC."kpenmf kpi "t gur qpugu"vq" eqo o gpv."cu'r tqxkf kpi 'cf gs wcv'kphqto cvkqp'qp'yj g'r qvgpvkncf xgtug"gpv'kto r ceu'v'cv" o c{ "qewt"cu'c'tguwv'qh'cf qr vki "RCT"36290'

Rwtuwcgv"vq'yj g'Ecnkhtpke"Gpxktqpo gpvcn'S wcrkv{ "Cev" \*EGS C+"cpf "Uqwj "Eqcu'CS O F"au'Egtvkhgf "Tgi wrcvt{ "Rtqi tco "Twrg"332+."y j g'Uqwj "Eqcu'CS O F."cu'ngcf "ci gpe{ "hqt "y j g'r tqr qugf "rtqgex" j cu'f gvgto kpgf "y j cv'lo r ngo gpv'vqp'qh'RCT"3629"y knipqv'dg"gzr gevgf "q'tguwv'kp"cp{ "r qvgpvkncf" uki pkhlecgv'cf xgtug"gpv'kto r ceu'Vj g't. "lpep"y j g'r tqr qugf "rtqgex"y knipqv'dg"gzr gevgf "vq"j exg"uevgy kf g."tgi kpen"qt"etgc/y kf g"uki pkhlecpeg."pq"EGS C"ueqr kpi "o ggvkpi "ku'tgs wkt gf" rwtuwcgv"vq"Rwdnle"Tuqwtugu"Eqf g"Ugevkqp"432: 50 \*c \*4+0'Cu"uej . "Uqwj "Eqcu'CS O F "ku" r tgr ctgf "cp"Gpxktqpo gpvcn'Cuuguo gpv\*GC+"y kj "ngu"y j cp"uki pkhlecgv'lo r ceu'hqt "RCT"36290' Vj g'GC"y kn'emmy "r wdnle"ei gpekgu"cpf "y j g'r wdnle"y j g'qrr qtwpkv{ "q'qdvlp."tgxky "cpf "eqo o gpv" qp"y j g'gpv'kto r ceu'epn'uku'Vj g'GC"y knlpenmf g'e'rtqgex'f guetlr vqp"cpf "epn'uku'qh'r qvgpvkncf" ef xgtug"gpv'kto r ceu'v'cv'eqwv "dg"i gpgtevgf "hgo "y j g'r tqr qugf "rtqgex"0'W'qp"ku" eqo o r gv'vqp."c'F tch'GC"y kn'dg"tgrgcugf "hqt"e"52/f c{ "r wdnle"eqo o gpv"cpf "tgxky "r gtlqf 0'K" eqo o gpv"etg'uwdo kwgf."y j g'ngwtu"cpf "t gur qpugu"vq"eqo o gpv"y kn'dg"lpeqr qtevgf "lvq"y j g'Hkpcn'GC'0'

## DRAFT FINDINGS UNDER CALIFORNIA HEALTH AND SAFETY CODE SECTION 40727

### Requirements to Make Findings

Ecnkhtpke"J gcnj "cpf "Uchgv{ "Eqf g"Ugevkqp"62949"tgs wkt gu"y j cv'r tlqt "vq"cf qr vki ."co gpf kpi "qt" tgr gcnkpi "c'twrg"qt"tgi wrcvqp."y j g'Uqwj "Eqcu'CS O F "I qxgtplpi "Dqctf "uj cm'o cnng"lhp kpi u'qh" pgeguukv{ ."cwj qtkv{ ."enrtkv{ ."eqpukvge{ ."pqp/f wr kcvkqp." cpf " tghgtgpeg" dcugf " qp" tgrgxcgv{ kphqto cvkqp'r tguvgv'cf "cv'yj g'r wdnle"j gctkpi "cpf "kp"y j g'uchhTgr qtv"

**Necessity**

RCT"3629"ku"pggf gf "vq"htvj gt "r tqvgev'r wdrke"j gcnj "d{ "tgf welpi "go kuukqpu"qh'ctugple."ecf o kwo ." cpf "plengnltqo "pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvkqpu0Vj g'lpvgpv'qh'vj ku'r tqr qugf "co gpf o gpv' ku'vq'tgf weg'ctugple."ecf o kwo ."cpf "plengn'go kuukqpu0Vj g'r tqr qugf "co gpf o gpv'y knltgf weg'ctugple." ecf o kwo ."cpf "plengn'go kuukqpu'ltqo "r qkp'v'cpf "hwi kxg'uqwtegu'ltqo "o gcn'o gnkpi "qr gtcvkqpu0"

**Authority**

Vj g"Uqwj "Eqcuv"CS O F "I qxgtpkpi "Dqctf "j cu"cwj qtkv{ "vq"cf qr v"RCT"3629"r wtuwcpv"vq"vj g" Ecrkhtpke"J gcnj "cpf "Uchgv{ "Eqf g"Ugevqpu"5; 224."5; 872"gv0ugs 0"63922."62223."62662."62663." 62924."62947"vj tqwi j "6294: ."cpf "6372: 0"

**Clarity**

RCT"3629"ku'y tkwgp"qt"f kur r{ gf "uq"vj cv'ku'o gcplpi "ecp"dg"gcukv{ "wpf gtuvqf "d{ "vj g'r gtuvpu" f kgevn{ "chhgev{ "d{ "k0"

**Consistency**

RCT"3629"ku"lp"j cto qp{ "y kj "cpf "pqv'lp"eqphlev'y kj "qt"eqpvcf levqt{ "vq."gz kunkpi "ucvwgu."eqwtv" f gekukqpu."qt"ucvg"qt"hgf gtcn'tgi wrcvkqpu0"

**Non-Duplication**

RCT"3629"y knlpqv'ko r qug'vj g'uco g'tgs vktgo gpu'cu'cp{ "gz kunkpi "ucvg"qt"hgf gtcn'tgi wrcvkqpu0Vj g" r tqr qugf "co gpf gf "twrg"ku'pgeguuct{ "cpf "r tqr gt"vq"gz gewg'vj g'r qy gtu"cpf "fwku'i tcvpf "vq."cpf " ko r qugf "wr qp."vj g"Uqwj "Eqcuv"CS O F 0"

**Reference**

D{ " cf qr vki " RCT" 3629" vj g" Uqwj " Eqcuv" CS O F " I qxgtpkpi " Dqctf " y kn' dg" ko r ngo gpvki . " kpvgtrtgvpki "qt"o cnkpi "ur gekhe"vj g'r tqxkukqpu"qh'vj g'Ecrkhtpke"J gcnj "cpf "Uchgv{ "Eqf g"Ugevqpu" 5; 87; "tgi wrcvkqpu"vq"guvcdnkj "r tqi tco u"ht"j c| ctf qwu'ck"r qmwcpwu+."5; 888"\*Ckt dqtpg"Vqz keu" Eqpvtqn'O gcwtgu+."63922"\*pwucpeg+."Hgf gtcn'Engcp"Ckt"Cev"ECC+"Ugevqpu"334"\*J c| ctf qwu"Ckt" Rqmwcpcwu+."cpf "ECC"Ugevqpu"338"\*o qtg'vntkpi gpv'ucvg'ucpf ctf u+0"

**COMPARATIVE ANALYSIS**

J gcnj "cpf "Uchgv{ "Eqf g"Ugevqpu"6294904"tgs vktgu'c'eqo r ctcvkg'cpcn{ uku'qh'vj g'r tqr qugf "co gpf gf " twrg'y kj "cp{ "Hgf gtcn'qt"F kntlev'twgu'cpf "tgi wrcvkqpu'er r ncedrg"vq"vj g'uco g'uqwtg0Ugg"Vcdrg"5/ 5"dgmy 0"

Table 3-3: Comparative Analysis

Rule Element	PAR 1407	Rule 1407	40 CFR Part 63 ZZZZZ	40 CFR Part 63 EEEEE	CARB Non-Ferrous Metal Melting ATCM
<b>Applicability</b>	P qp/ej tqo kwo "uo gngtu"r tlo ct {"cpf" ugeqpf ct {"+," hqwpf tkgu. f kg/ ecungtu. "eqcwpkpi " r tqeguugu" *i cixcpk kpi "cpf" vppkpi +cpf "qy gt" o kuegncpgquw" r tqeguugu'uwej "cu'f kr " uqrf gt kpi . 'dtc  kpi " cpf "cnwo kpwo " r qy f gt "r tqf vewkqp" eqpf vewkpi "pqp/ ej tqo kwo "o gvcn' o gnkpi "	P qp/hgttqwu'uo gngtu" *r tlo ct {"cpf" ugeqpf ct {"+," hqwpf tkgu. f kg/ ecungtu. "eqcwpkpi " r tqeguugu" *i cixcpk kpi "cpf" vppkpi +cpf "qy gt" o kuegncpgquw" r tqeguugu'uwej "cu'f kr " uqrf gt kpi . 'dtc  kpi " cpf "cnwo kpwo " r qy f gt "r tqf vewkqp" eqpf vewkpi "pqp/ hgttqwu'o gvcn' o gnkpi "	Ctgc"uqwteg'kqp"cpf" ugggnhqwpf tkgu" go kwkpi "guu'yj cp'32" vqpu'r gt {"gct'qh'cp {" ukpi ng'j c  ctf qwu'ck" r qmwcpv'qt'guu'yj cp" 47"vqpu'qh'cp {" ukpi ng'j c  ctf qwu'ck" r qmwcpv'eqput vewgf " chgt "Ugr vgo dgt'39." 4229"	O clqt"uqwteg'kqp" cpf "ugggnhqwpf tkgu" go kwkpi "32"vqpu'r gt {" gct'qt'o qtg'qh'cp {" ukpi ng'j c  ctf qwu'ck" r qmwcpv'qt'47"vqpu' qt'o qtg'qh'cp {" ukpi ng'j c  ctf qwu'ck" r qmwcpv"	P qp/hgttqwu" uo gngtu"r tlo ct {" cpf "ugeqpf ct {"+," hqwpf tkgu. f kg/ ecungtu. "eqcwpkpi " r tqeguugu" *i cixcpk kpi "cpf" vppkpi +cpf "qy gt" o kuegncpgquw" r tqeguugu'uwej "cu' f kr "uqrf gt kpi . " dtc  kpi "cpf" cnwo kpwo "r qy f gt" r tqf vewkqp" eqpf vewkpi "pqp/ hgttqwu'o gvcn' o gnkpi "
<b>Requirements</b>	<ul style="list-style-type: none"> <li>•Eqpvtqnr'go kuukpu'qhl' ctugple."ecf o kwo ." cpf "plengrid {" ; ; ' "qt" rlo k'ci i tgi cvg'o cuu" go kuukpu'vq" 2022288"nd lj t'qh' ctugple."2022763" nd lj t'qh'ecf o kwo ." cpf "2022: 6: "nd lj t'qh' plengri"</li> <li>•Dwlrf kpi "gpenquwtgu"</li> <li>•J qwugnggr kpi "</li> <li>•Xkukdng'go kuukqp" uucpf ctf u"</li> </ul>	<ul style="list-style-type: none"> <li>•Eqpvtqnr'ctvlewvsg" go kuukpu'htgo " go kuukqp'eqngevkap" u{ungo 'd {" ; ; ' " Vgo r gtcwvsg'kp" gzj cwuv'utgco 'o c {" pqv'gzeggf "582H"</li> <li>•O clpvpcpeg" r tqi tco "hqt" go kuukqp'eqpvtqnr' f gxleg'o qpkqtkpi "</li> <li>•J qwugnggr kpi "</li> <li>•Xkukdng'go kuukqp" uucpf ctf u"</li> </ul>	<ul style="list-style-type: none"> <li>•P gy "hqwpf tkgu" eqpvtqnr'ctvlewvsg" go kuukpu'vq"208" nd hqp'cpf 'j c  ctf qwu' ckt'r qmwcpv" go kuukpu'vq"202: " nd hqp"</li> <li>•Rqmwwkqp'r t gxpvkqp" o cpci go gpv" r tcevegu'ht'o gvcnle" ueter "cpf'o gtwet {" uy kej gu"</li> <li>•O clpvpcpeg" r tqi tco "hqt" go kuukqp'eqpvtqnr' f gxleg'o qpkqtkpi "</li> <li>•J qwugnggr kpi "</li> <li>•Xkukdng'go kuukqp" uucpf ctf u"</li> </ul>	<ul style="list-style-type: none"> <li>•Gzkuukpi "grgextle'cte" hwtpegu'eqpvtqnr' r ctvlewvsg" go kuukpu'vq"20227" i t lf ueh"cpf" j c  ctf qwu'ck" r qmwcpv'go kuukpu' vq"20226'i t lf ueh""</li> <li>•Gzkuukpi "ewr qruu" eqpvtqnr'ctvlewvsg" go kuukpu'vq"20228" i t lf ueh"cpf" j c  ctf qwu'ck" r qmwcpv'go kuukpu' vq"20227'i t lf ueh""</li> <li>•P gy "grgextle" kpf vewkqp'hwtpegu" eqpvtqnr'ctvlewvsg" go kuukpu'vq"20223" i t lf ueh"cpf" j c  ctf qwu'ck" r qmwcpv'go kuukpu' vq"20222: 'i t lf ueh""</li> <li>•P gy "grgextle'cte" hwtpegu'cpf " ewr qruu'eqpvtqnr' r ctvlewvsg" go kuukpu'vq"20224" i t lf ueh"cpf" j c  ctf qwu'ck" r qmwcpv'go kuukpu' vq"20224'i t lf ueh""</li> <li>•Rrnp'qt'egv'kcecvkap" vq'o kpo k g" j c  ctf qwu'ck" r qmwcpv'htgo " ueter "</li> <li>•O clpvpcpeg" r tqi tco "hqt"</li> </ul>	<ul style="list-style-type: none"> <li>•Eqpvtqnr'ctvlewvsg" go kuukpu'htgo " go kuukqp'eqngevkap" u{ungo 'd {" ; ; ' " Vgo r gtcwvsg'kp" gzj cwuv'utgco 'o c {" pqv'gzeggf "582H"</li> <li>•O clpvpcpeg" r tqi tco "hqt" go kuukqp'eqpvtqnr' f gxleg'o qpkqtkpi "</li> <li>•J qwugnggr kpi "</li> <li>•Xkukdng'go kuukqp" uucpf ctf u"</li> </ul>

Rule Element	PAR 1407	Rule 1407	40 CFR Part 63 ZZZZ	40 CFR Part 63 EEEEE	CARB Non-Ferrous Metal Melting ATCM
				go kuukqp'eqpvtqnl' f gxleg'o qpsqtlpi " <ul style="list-style-type: none"> <li>•J qvugnggr lpi "</li> <li>•Xkukdng"go kuukqp" uvcpf ctf u" "</li> </ul>	
<b>Reporting</b>	Uqwteg'vgu'tgr qtv"	P qpg""	Ugo kcppwcn' eqo r rkepeg'tgr qtvu" hqt'gzeeggf cpegu." r ctco gvtle'o qpsqtlpi" f qy pvl o g."f gxlcwkp u" ltqo 'r qmwkqp" r t g x g p v k p 'r t c e v l e g u"	Ugo kcppwcn' eqo r rkepeg'tgr qtvu" hqt'gzeeggf cpegu." r ctco gvtle'o qpsqtlpi" f qy pvl o g." f gxlcwkp u'ltqo " r qmwkqp'r t g x g p v k p 'r t c e v l e g u"	P qpg""
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>•Kpklcn'cpf 'r gtqf " uqwteg'vgu'kpi "</li> <li>•Go kuukqp'eqpvtqnl' f gxleg'o qpsqtlpi "</li> <li>•O cvgtkcn'vgu'kpi "</li> </ul>	<ul style="list-style-type: none"> <li>•Qpg'vko g'uqwteg'vgu' qp'c'hwtpceg'yj cv'ku' xgpvgf "q'c'eqpvtqnl' f gxleg"</li> <li>•Retco gvtle" o qpsqtlpi "</li> <li>•Dci 'hgcniif gvgewkqp" u{ungo "</li> </ul>	<ul style="list-style-type: none"> <li>•Uqwteg'vgu'qp'c" hwtpceg'yj cv'ku' xgpvgf "q'c'eqpvtqnl' f gxleg'gxgt { 'hxxg" { gctu"</li> <li>•Retco gvtle" o qpsqtlpi "</li> <li>•Dci 'hgcniif gvgewkqp" u{ungo "</li> </ul>	<ul style="list-style-type: none"> <li>•Uqwteg'vgu'qp'c" hwtpceg'yj cv'ku' xgpvgf "q'c'eqpvtqnl' f gxleg'gxgt { 'hxxg" { gctu"</li> <li>•Retco gvtle" o qpsqtlpi "</li> <li>•Dci 'hgcniif gvgewkqp" u{ungo ""</li> </ul>	<ul style="list-style-type: none"> <li>•Qpg'vko g'uqwteg" vgu'qp'c'hwtpceg" yj cv'ku'xgpvgf "q'c" eqpvtqnl' f gxleg"</li> <li>•Retco gvtle" o qpsqtlpi "</li> <li>•Dci 'hgcniif gvgewkqp" u{ungo "</li> </ul>
<b>Recordkeeping</b>	O gn'tgeqtf u." o cvgtkcn'vgu'kpi 'cpf" uqwteg'vgu'kpi 'tguwnu." j qvugnggr lpi 'nqi ." go kuukqp'eqpvtqnl' f gxleg'o qpsqtlpi " nqi 'o cf g'cxckrdng" hqt'yj tgg" { gctu"	Uqwteg'vgu'kpi 'tguwnu" o cf g'cxckrdng'hqt" y q" { gctu""	Vgu'tgr qtvu." pqv'hwtpceg'vgu'kpi ugo kcppwcn'tgr qtvu" o cf g'cxckrdng'hqt" hxxg" { gctu"	Vgu'tgr qtvu." pqv'hwtpceg'vgu'kpi ugo kcppwcn'tgr qtvu"	Uqwteg'vgu'kpi " tguwnu'o cf g" cxckrdng'hqt'y q" { gctu""

"



## **APPENDIX I: COMMENTS AND RESPONSES**

---

## Comment Letter #1

Vj g'Dqgkpi 'Ego r cp{ "  
Lwn{ ". '423; "



The Boeing Company  
4000 Lakewood Blvd.  
Long Beach, CA 90808

July 8, 2019

SCAQMD  
21865 E. Copley Drive  
Diamond Bar, CA 91765

ATTN: Michael Morris  
Planning, Rule Development and Area Sources Manager

Re: SCAQMD Rule 1407 Proposed Amendments

Thank you for the opportunity to provide comments relating to the proposed amendments to SCAQMD Rule 1407 (Control of Emissions of Arsenic, Cadmium and Nickel from Non-Chromium Metal Melting Operations). Boeing requests that the following changes/clarifications be incorporated into the proposed amendments to the rule:

- With respect to the proposed language in (k)(1), current proposed language will require that all recordkeeping requirements listed in (g) be followed in order to meet the exemption requirement. Boeing requests that the language be modified to state the following:
  - 'An owner or operator of a non-chromium metal melting operation that melts no more than one ton per year of all non-chromium metals shall maintain records of raw materials processed, including ingots, scrap, and reruns and the associated records to verify these quantities on an annual basis.'
- The proposed language in (k)(9) should be modified to include other maintenance activities such as dip soldering and brazing activities. These activities, while using very small quantities of materials, are typically performed by contractors and the proposed language will result in very burdensome recordkeeping requirements in order to track these types of maintenance activities at a facility.
- Request that (e)(2)(D)(ii) be removed, as appears to be duplicative of the nearly identical requirement stated in (e)(2)(D)(i).

3/3"

3/4"

3/5"

Boeing looks forward to continuing to work with District staff in the development of the proposed amendments to SCAQMD Rule 1407. If you should have any questions or require additional information, please do not hesitate to contact me.

William Pearce  
Senior Environmental Engineer  
Environmental Services  
Environment, Health & Safety

"

Tgur qpug'v'Ego o gpv'3/3"

Uchl'ci tggucpf "j cu'o qf kkgf "r etci tcr j "m\*3+"ceeqtf kpi n{ "v"qpn{ "tgs wktg"o-qpj-n{s wctvgt n{ "  
 swcpvkgu"qh'tcy "o cvgtkcn'r tqeguugf "v"dg'tcengf 0'  
 "

Tgur qpug'v'Ego o gpv'3/4"

Twrg'ncpi wci g'hqt'r etci tcr j "m\*, +j cu'dggp"o qxgf "v"r etci tcr j "m\*32+"cpf "y kn'pqy "lpenwf g"  
 f k' "uqnf gtlpi "cpf "dte| kpi "cu'o clpvpcpeg"cevkkgu0'  
 "

Tgur qpug'v'Ego o gpv'3/5"

Uchl'f luci tgguvj cv'ercwugu\*g+\*4+\*F +\*k+\*cpf "g+\*4+\*F +\*k+\*ctg'f wr ndecvkg0C'y qtnlucvqp'f gf lecygf "  
 vq'o gcn'i tlpf kpi "qt'ewwkp' "o c{ "pqv'pgeguuctn{ "dg'y kj kp'42"ggv'qh'cp"gpvcpeg"qt"gzk'r qkp'qh"  
 c"dwkf kpi "gpenquwtg"v'j cv'j qwugu"v'j gug"uco g"qr gtcvqp0'Megr kpi "dqy "tgs wktgo gpw'kp"v'j g"twrg"  
 ncpi wci g'y kn'gpwtg'r tqr gtn{ "ceeqwpkpi "hqt"geej "lpf kxf wcn'qecvqp"cpf "ku'uwttqwpf kpi "ctgc0'  
 "

"

## Comment Letter #2

Ecrkhtpk'O gvcu'Eqrckkqp"  
Lwn' ". '423;



July 8, 2019

Mr. Mike Morris  
South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765

Dear Mr. Morris:

The California Metals Coalition appreciates the opportunity to comment on the South Coast Air Quality Management District ("District" or "SCAQMD") workshop proceedings and consideration of **SCAQMD Proposed Amended Rule (PAR) 1407**.

These comments on PAR 1407 are divided into the following sections: Summary; Background on CMC; Comments on Workshop Presentation and Draft Rule Language; and Recommendations for Further Scoping and Development.

### SUMMARY

This comment letter addresses the PAR 1407 slides presented on **June 19, 2019** at the Public Workshop. At the Public Workshop, the SCAQMD provided an overview of the rulemaking, details of the rule requirements, a cost analysis, and draft rule language.

### BACKGROUND ON CMC

California is home to approximately 4,000 metalworking facilities, employing over 350,000 Californians. The average industry salary is \$66,400/year in wages and benefits.

8 out of 10 employees in the metalworking sector are considered ethnic minorities or reside in disadvantaged communities throughout Southern California. A job in the metals sector is often the only path to the middle class for many of these Californians.

Here is a breakdown of the metalworking industry's impact on the 4 counties within SCAQMD jurisdiction:

- Los Angeles County: 54,290 Direct Jobs | 52,741 Indirect Jobs | \$7 billion wages | \$26 billion economic activity

"

- **Orange County:** 25,448 Direct Jobs | 18,912 Indirect Jobs | \$2.9 billion wages | \$10.8 billion economic activity
- **San Bernardino:** 9,778 Direct Jobs | 8,378 Indirect Jobs | \$1.2 billion wages | \$4.5 billion economic activity
- **Riverside:** 6,971 Direct Jobs | 7,712 Indirect Jobs | \$957 million wages | \$3.2 billion economic activities
- **Total:** 96,487 Direct Jobs | 87,743 Indirect Jobs | \$12 billion wages | \$33.8 billion economic activity

California metal manufacturers use recycled metal (ex: aluminum, brass, iron and steel) to make parts for the aerospace industry, clean energy technologies, electric cars, biotech apparatuses, medical devices, national defense items, agriculture, infrastructure, construction machinery, household appliances, food processing and storage, movement of water, and millions of other products demanded by society.

#### COMMENTS ON WORKSHOP PRESENTATION AND DRAFT RULE LANGUAGE

##### Item #1, PAR 1407's Non-Detect Calculation and Unintended Consequences within Rule:

As currently written, a metal melting facility may be required to conduct a source test for arsenic, cadmium and nickel. If the source test results are "non-detect," the non-detect default value (100% of the detection limit) will trigger the facility to install a control device.

As currently written, the control device currently requires a 99% capture efficiency of the "non-detect" value. CMC believes the "non-detect" problem is an unintended consequence of the proposed rule. But the issue still must be addressed.

- **SUGGESTION:** The SCAQMD should align the analysis to be consistent with District R1401 guidance. In this situation, that would mean using a value of zero "0" for ND runs when computing the corresponding emission factor.
  - Once a value is established for "non-detect", CMC suggests that staff re-run the calculations from the single source test used to establish the tonnage throughput limits [Draft Rule Language (k)(3)] based on the purity limits.

4/3"

##### Item #2, Draft Rule Language Definition #25 RERUN SCRAP"

PAR 1407 currently defines Rerun Scrap as "any material that includes sprues, gates, risers, foundry returns, and similar material intended for remelting that has been generated at the facility as a consequence of a casting or forming process but has not been coated or surfaced with any material."

There will be some metal melting facilities regulated by PAR 1407 that can satisfy all parts of this definition except "generated at the facility." A common practice within the metal sector is for customers to return sprues, gates, risers, returns and similar material back to the material provider. Since it is being returned, the material is not "generated at the facility," but it meets all the quality requirements.

4/4"

"

- **SUGGESTION:** CMC suggests adding "customer returns" to the definition of Rerun Scrap. PAR 1407 can add a new requirement under recordkeeping for customer returns so that an inspector can review the material specification sheets that meet the definition of Rerun Scrap.

4/4"  
\*Eqp\0"

**Item #3: Draft Rule Language (k); Using 1402 Determination for Exemption from Emission Controls and Source Test Requirements:**

The source test requirements of PAR 1407 are measured against a cancer risk of 25 in one million. Some metal melting facilities impacted by PAR 1407 have conducted a Rule 1402 cancer risk assessment and continue to update the assessment on a quadrennial basis. Rule 1402 is as strict, and arguably more demanding, than the PAR 1407 source test.

- **SUGGESTION:** CMC suggests allowing facilities that are subject to Rule 1402 requirements, to use the 1402 results or determinations when assessing the need for a control device in PAR 1407. This exemption would not apply to any other part of the rule (ex: recordkeeping, enclosures, housekeeping) and is based on a similar exemption provided in SCAQMD Rule 1469.1.
  - Facilities are exempt from the emission control requirements in section (d)(1) though (4) and source test requirements in section (h) if either of the following conditions are met quadrennially;
    1. A facility can successfully demonstrate facility-wide emissions of all toxic air contaminants result in a cancer risk at all receptor locations through submittal of an approved health risk assessment that reflects representative operating conditions, or submittal of a Risk Reduction plan developed pursuant to Rule 1402 that is fully implemented prior to [Rule adoption date], or submittal of evidence of enforceable permit conditions that limit cancer risk to:
      - 25 in a million if a facility is located more than 25 meters from a residential or sensitive receptor; or
      - 10 in a million if a facility is located 25 meters or less than a residential or sensitive receptor, or located 100 meters or less from an existing school.
    2. if a facility has been determined to be a low priority or intermediate priority facility based on Rule 1402 Prioritization Score as established by the SCAQMD.

4/5"

**Item #4: Draft Rule Language (e)(2)(E) Actively Depositing Materials:**

PAR 1407 includes a housekeeping requirement to keep containers covered at all times "except when material is actively deposited into a receptacle." The depositing of material during the melting process is ongoing and can happen frequently. Dross and slag may be skimmed from the melt and placed in containers for recycling.

- **SUGGESTION:** CMC suggests that the language state "except when material is actively deposited into a receptacle during the melting or pouring process."

4/6"

"

**Item #5, Slides 41-42; Cost Analysis Overstates Ability to Finance Rule Requirements:**

The Workshop presentation included a cost analysis of PAR 1407. CMC strongly disagrees with costs being annualized in any manner. The cost impact of PAR 1407 will occur in year 1 of the rule and draw from the current operating budget of a business.

As an example, building a wall to enclose the building, conducting source tests, or installing a new baghouse are "cash-up-front" transactions.

The only know type of loan that might satisfy this is a "Line of Credit" against the business, which has high interest rates and strict requirements.

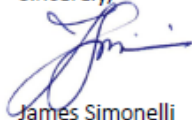
When SCAQMD staff presents a cost analysis for the SCAQMD Stationary Committee or Board, the costs should not be amortized.

4/7"

**RECOMMENDATIONS FOR FURTHER SCOPING AND DEVELOPMENT**

Thank you for your time, and for allowing CMC to participate and comment on PR 1407. We look forward to continued discussions.

Sincerely,



James Simonelli  
Executive Director

"

"

"



Tgur qpug'vq'Ego o gpv'4/3"

Uclh'j cu'tgxkugf "v' g'twrg"ncpi wci g'vq"lpf kcvg"v' cv'uqwtg"v'guu'y kn'pggf "vq'twp"ht" c"uwhtekgpv' co qwpv'qh'vko g'vq'cej kxg" c'o g'v' qf "tgr qtv'kpi "hko k0Ercwug"i +\*: +\*D+\*k+\*ucvgu'v' cv'v' g'eqo r qwpf " ecp"cmu"dg"kf gpv'kugf "cu"pqp/f g'vev'kh'cm'uqwtg"v'guv'twpu'ctg"dgmy "v' g'o g'v' qf "tgr qtv'kpi "hko k0' P qp/f g'vev'tguwu'ecp"dg'tgr qtv'gf "cu'v' g'xcnwg'qh' gtq0Ercwug"i +\*: +\*D+\*k+\*ucvgu'kh'qpg'qt"o qtg" uqwtg"v'guv'twpu'ctg"cdqxg"v' g'o g'v' qf "tgr qtv'kpi "hko k'v'v' gp"v' g'hcekv' "uj qwf "cuiki p'j ch'qh'v' g" o g'v' qf "tgr qtv'kpi "hko k'ht"v' g'twpu'dgmy "v' g'o g'v' qf "tgr qtv'kpi "hko k0"

"

Tgur qpug'vq'Ego o gpv'4/4"

Vj g'f ghpkkqp"qh'oTgtwp"Uetcr'o"lp"rctci tcr j "e+\*48+"pqy "kpenf g"qhukg"i gpgtcvgf "o cvgtkcu0' Fqewo gpv'kqp"vq'eqphko "y j gtg'o cvgtkcu'y gtg'i gpgtcvgf "uj cm'dg'r tqxkf gf "cv'v' g'tgs wguv'qh'v' g" Uqwj 'Eqcu'CS O F 0

"

Tgur qpug'vq'Ego o gpv'4/5"

Uclh'j cu'kpenf gf "cp"gzgo r v'kqp"lp"rctci tcr j "m+\*: +\*ht'hcekv'kug'y kj "c"J gcnj "Tkun'Cuuguu gpv' y kj "c"o czko wo "lpf kxkf wcn'ecpegt"tkun'guu'v' cp"v'gp"lp"qpg"o knkqp"qt"cp"Ck"Vqzke"Kpxgpvt { " Tgr qtv'y kj "c"hecckv' "Rtkqtkv' "Ueqtg'qh'guu'v' cp"v'gp0hecckv'kug'y cv's wcnh' "y km'dg"gzgo r v'htqo " uwdf kxkukp" \*f +\*cpf "y kn'pqv'dg'tgs wktgf "vq"r w'qp"cf f kxkpcn'eqptqu0'Vj g'tgegr vqt "f kucpeg"qh' 322"o gvgtu'htqo "v' g'uqwtg"y kn'dg'tgckpgf 0'

"

Tgur qpug'vq'Ego o gpv'4/6"

Uclh'j cu'tgo qxgf "ocv'cm'vko gu'o'htqo "uwdrctci tcr j "g+\*4+\*G+0'Vj g'r wtr qug"qh'j cxkpi "cp"gpemugf " uqtci g'ctgc. "c'dwrf kpi "gpemugt. "qt"v' g'eqxgtci g'qh'eqpv'kpgtu'ku'v' t'gxgpv'o gcnf wu'go kuukpu0' K'v' g'o gcn'o gnkpi "eqpv'kpgt"ku"gpemugf "y kj lp"cp { "qh'v' g'cdqxg"o gpv'kpgf "o g'v' qf u. "v' gp"v' g" urtgcf "qh'o gcnf wu'go kuukpu'y qwf "dg'eqpukf gtgf "cf gs wcn' "r t'gxgpvgf 0'

"

Tgur qpug'vq'Ego o gpv'4/7"

Vj g'vclh'tgr qtv'kpenf gu'v'qcn'equu"cu'tgs wugvf "d { "v' g'eqo o gpvgt"vq'tgeqi pk g'v' g'equu"dtpg" d { "v' g'hecckv'kug'uwdlge'v'v' RCT'36290Vj g'v'qcn' t'gugpv'y qtv' "xcnwg"equv'v'v' gg'v'v' g'4242'f gcf r'kpg" ku"&650-6"o knkqp"vq"&7; 04-8"o knkqp"wukpi "c"6"r gtegpv'qt"3"r gtegpv'f k'ueqwpv'tcv'g"t'gur ge'v'xgn' 0' Dgvy ggp"&706"cpf "&806"o knkqp"ctg"qpg/vko g'equu"cr r k'ecdr'lp"4242"y j kg"&5905: 02"o knkqp"vq" &740-7504"o knkqp"ctg'tgewt'kpi "equu'qxgt" c"43" { gct'r g'gkqf 0

Vj g'RCT'3629'Uqekqgeppqo le"K0 r cev'Cuuguu gpv'kpenf gu'v' g'r t'gugpv'y qtv' "xcnwg"qh'cm'qpg/vko g" ecr kcn' equu" \*dwrf kpi " gpemugt. "uqwtg"v'guu. "qt"lpucnkpi "c"pgy "dci j qwug+ " lp" cf f kxkqp" vq" v' g" cppwcn' gf "ecr kcn'equu"cuwo kpi "c"3-""r gtegpv'cpf "6-""r gtegpv'tgcn'lp'vgtguv'tcv'g0'Vj g'r t'gugpv' y qtv' "xcnwg" f k'ueqwpv'hw'wtg"ecr kcn'g'zr gpf kwtgu'vq"ceeqwpv'ht"v' g'vko g'xcnwg"qh'o qpg { 0'

Y j gp"eqpf wv'kpi "uqekqgeppqo le"cpnc'ugu. "v' g"Uqwj "Eqcu'CS O F "v' r k'ecm' { "cppwcn' gu'ecr kcn' equu0'Vj ku'cm'y u"wu"vq"ceeqwpv'ht"v' g'equv'qh'hkpcp'kpi "cpf "v' g"qr r qtwpkv' "equv'qh'ecr kcn'0'Vj g" qr r qtwpkv' "equv'qh'ecr kcn'ecp"dg" f ghkpgf "cu"v' g'kpetgo gpv'cn'tgwt'p"qp"lp'xguo gpv'v' cv'c"hecckv' " o wu'v'htq' y j gp"kv'cm'qecv'gu'hw'pf u'ht' t'gi w'v'v' { "eqo r k'cpeg0'Vqcn'cppwcn' gf "equu" \*cppwcn' gf " ecr kcn'equu'r nu'cppwcn'qr gtcv'kpu'cpf "o cl'p'v'gpcpeg"equu+ctg"v' gp" wugf "cu'kpr wu'lp"qwt't'gi kqpcn' f { pco le"geppqo le"o qf g'kpi "cpnc' uku0'kpr wukpi "qpg/vko g" \*pqp/cppwcn' gf +ecr kcn'equu'y kn'hkngn' "



t g u w n ' k p ' c p ' k p e t g c u g ' k p ' u j q t v ' g t o ' o c e t q g e q p q o k e ' k o r c e u ' i q d ' n q u u g u + : " d w : ' w n k o c v g n { . ' y k n i ' t g u w n ' k p ' c ' t g f w e k q p ' k p ' v q c n ' o c e t q g e q p q o k e ' k o r c e u ' q x g t ' y j g ' g p v k t g ' c p c n { u k u ' v k o g ' j q t k q p o ' "

C f f k k q p c m { . ' y j k g ' k ' k u ' e q p u k f g t g f ' y c v ' c m i g u v k o c v g f ' e q u u ' y q w f ' d g ' d q t p g ' d { ' y j g ' c h h g e v g f ' h c e k r k k g u . " y j g " e q o r n c p e g " e q u u " e q w f " r q v g p v k c m { " d g " r c u u g f " q p v q " f q y p u t g c o " e q p u w o g t u " q h ' u g t x k e g u " c p f " r t q f w e u o ' Y j k g " e c r k c n ' h k p c p e k p i " e q w f " d g " r q v g p v k c m { " w u g f " d { " c p " c h h g e v g f " h c e k r k v { " v q " n g u u g p " y j g " u t g u u " q p " y j g " h c e k r k v { a u ' e c u j " h m y . " y j k u " c p c n { u k u ' f q g u " p q v ' c n g " k p v q " c e e q w p v ' h k p c p e k n i f g e k u k q p u " o c f g " c v ' y j g " h c e k r k v { " q t ' h k t o " i g x g r o ' "

### Comment Letter #3

Mckugt "Cnwo kpw "Hcdtkcygf "Rtqf weu"  
Lwn{ ", ."423;



Page 1 of 8

July 9, 2019

Mike Morris  
South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765

Dear Mr. Morris,

Kaiser Aluminum ("Kaiser" or "the facility") appreciates the opportunity to comment on the South Coast Air Quality Management District ("District" or "SCAQMD") workshop proceedings and consideration of **SCAQMD Proposed Amended Rule 1407 (PAR 1407)**.

#### General Comment

Kaiser is an AB2588 facility and is thus subject to District Rule 1402 requirements. As a part of these requirements, the facility has previously submitted Air Toxics Inventory Report (ATIR) to the District, most recently on April 30, 2014. That most recent ATIR was approved by the SCAQMD in September 2017 and resulted in a District determination that the Kaiser facility was an Intermediate Priority facility based on a prioritization score of 2.31.<sup>1</sup> As concluded in the District's letter:

*"This demonstrates that for the toxics inventory and emissions level reported, Kaiser does not pose a significant health risk to the surrounding communities and as a result no health risk assessment is required."*

Kaiser has not materially changed its operations and thus, does not anticipate any material changes to its emissions inventory.

The annual emission thresholds (for control system exemption) and the annual throughput thresholds (for purity exemption from the rule) in the draft PAR 1407 proposal were based on a single source test conducted at the Kaiser facility in December 2015. SCAQMD has used this source test to develop emission factors<sup>2</sup> and coupled them with a number of conservative assumptions to establish the proposed emission thresholds and throughput thresholds. It appears the current PAR1407 proposal could require Kaiser to install new emission controls despite the fact that the District has already determined (under Rule 1402) that Kaiser does not pose a significant health risk to surrounding communities. We believe such an outcome conflicts with the intent of the PAR1407 rulemaking. Kaiser offers the following comments on the rule.

<sup>1</sup> Letter from SCAQMD to Edward Swistock, dated September 19, 2017 (Attachment A).

<sup>2</sup> See Comment 2 for more details.

6250 E. Bandini Blvd., Los Angeles, CA 90040

"



**Comment 1:** Rule 1407 should provide an exemption for facilities subject to Rule 1402 that have been determined not to pose a significant health impact. Such a provision could be similar to the exemption found under District Rule 1469.1.

Current draft language for PAR 1407 includes several exemptions under section k. To align PAR 1407 applicability with potential facility risk (as determined by the District), Kaiser proposes an additional exemption from the emission control requirements as well as the source testing requirements be included in Section (k) as follows:

*A facility is exempt from the emission control requirements in sections (d)(1) through (d)(4) and source test requirements in section (h) if either of the following conditions are met;*

1. *A facility can successfully demonstrate facility-wide emissions of all toxic air contaminants result in a cancer risk at all receptor locations through submittal of an approved health risk assessment that reflects representative operating conditions, or submittal of a Risk Reduction plan developed pursuant to Rule 1402 that is fully implemented prior to [Rule adoption date], or submittal of evidence of enforceable permit conditions that limit cancer risk to:*
  - a. *25 in a million if a facility is located more than 25 meters from a residential or sensitive receptor; or*
  - b. *10 in a million if a facility is located 25 meters or less than a residential or sensitive receptor, or located 100 meters or less from an existing school.*
2. *if a facility has been determined to be a low priority or intermediate priority facility based on Rule 1402 Prioritization Score as established by the SCAQMD.*

5/3"

**2. Comment 2:** Pounds per ton arsenic emission factor developed during the rulemaking process does not follow correct SCAQMD guidance. This should be revised in accordance with District R1401 guidance.

AQMD has presented a 700 tons/month or 8,400 tons/year threshold (currently proposed in PAR 1407) based on an emission factor of 1.06E-05 lb of arsenic (As) per ton of scrap processed. At Working Group Meeting #3, staff discussed the calculations used to find this as a maximum throughput required to reach cancer screening risk thresholds of 25 in a million at 100-meter receptor distance. The pounds per ton emission factor was calculated for toxic air contaminants using Kaiser's 2015 source test results. Based on source test results and emission screening levels, the arsenic emission factor drives the calculated throughput limit.

5/4"

We note that in two of the three air samples from the Kaiser 2015 data, arsenic was reported as Non-Detect. AQMD used the arsenic detection level (for these two ND runs) to calculate an emission factor. However, this methodology does not follow AQMD's Rule 1401 guidance<sup>3</sup>, which specifies that in cases where less than 10 samples are collected, and a TAC has been detected in only one sample, non-detect runs are to be assigned a value of zero. If AQMD had followed the R1401 guidance, the correct emission factor would be 2.62E-06 lb of As per ton

<sup>3</sup> SCAQMD 2018. Available at: <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>.

6250 E. Bandini Blvd., Los Angeles, CA 90040

"

"

"



of scrap processed<sup>4</sup>. Kaiser believes using published guidance under Regulation XIV is appropriate for Regulation XIV rule development. Assigning detection level values to non-detect runs materially overstates emissions. Kaiser recommends that the District correct this emission factor and update all necessary calculations for the next version of the draft PAR 1407 using a 2.62E-06 lb/ton emission factor.

5/4"  
\*Eqp0"

**Comment 3:** Annual Emission Thresholds proposed under section (d) should use a tiered receptor distance approach.

Existing Rule 1407 (d)(2) states that *"The gas stream from any emission collection system shall be ducted to a control device which shall reduce the particulate emissions by 99 percent or more by weight."* This condition is slightly changed in the PAR Rule 1407. PAR 1407 (d)(3) states that *"by January 1, 2021, owners or operators of non-chromium metal melting operations shall reduce emissions from furnaces by a minimum of 99 percent or meet facility-wide annual mass emission limits as noted in (d)(4)(A), (d)(4)(B), and (d)(4)(C)."* As per these subsection conditions, annual emission limits for As, Cd and Ni are 0.095 lbs/year, 0.74 lbs/year and 12.2 lbs/year respectively, before a control equipment is required.

These annual emission thresholds were back-calculated using emission screening levels for a cancer risk of 25 in a million and a receptor placed 100 meters away from the source. This scenario is not representative of all facilities and unnecessarily imposes requirements on facilities which may not present a significant health risk. Kaiser recommends that PAR 1407 be revised to provide annual emission thresholds that are based on tiered receptor distances, as set forth in the following **Table I:**

5/5"

**Table I. PAR 1407 (d)(4)(A) – Annual Emission Thresholds**

Distance <sup>1</sup>	Toxic Air Contaminant		
	Arsenic (lbs/year)	Cadmium (lbs/year)	Nickel (lbs/year)
100	0.095	0.74	12.2
200	0.295	2.296	37.9
300	0.775	6.039	99.6
400	1.152	8.975	148.0
500	2.243	17.469	288.0

1. Screening emissions at 100 meters based on SCAQMD Rule 1401 risk assessment screening levels for a risk of 25 in a million as currently proposed in PAR 1407.

2. Emission levels at 200, 300, 400 and 500 meters based on scaling x/Q dispersion factors published in the 1401 risk guidance. Assumes a stack height between 14 and 25 feet and facility operation greater than 12 hours per day for worst case meteorology (Banning station).

**Comment 4:** Purity Exemption Thresholds also need a tiered receptor distance approach.

Draft language for PAR 1407 (i)(2) states that the Metal or Alloy Purity Exemption applies to facilities with an annual throughput of less than 8,400 tons per year<sup>5</sup> of non-chromium metal.

5/6"

<sup>4</sup> All calculations and comments in this letter use the corrected arsenic emission factor which was developed following published AQMD R1401 guidelines.

<sup>5</sup> Note, Annual allowable throughput limits should be based on an EF that is developed in accordance with the AQMD R1401 risk assessment guidance.



The annual throughput proposed is based on a cancer risk of 25 in a million for a receptor placed 100 meters away from the source. As mentioned above, this scenario is not representative of facilities with receptors at distances well beyond 100 meters and therefore may unnecessarily limit facility throughput with no corresponding health benefit. Kaiser proposes that annual throughput thresholds for purity exemption be provided as a tiered approach with receptors at various distances from the source. See **Table II** as a proposed update to PAR 1407. Under this proposal, facilities would periodically confirm their nearest receptor location (e.g., quadrennially). The thresholds shown would correlate to a risk of 25 in a million at that receptor distance. Emissions shown in Table I were used to establish these proposed throughputs.

**Table II. Proposed Annual Throughput**

Distance to Receptor (meters)	Proposed Annual Throughput Threshold (tons) <sup>1</sup>	Alternative Proposed Annual Throughput Threshold (tons) <sup>2</sup>
100	8,400	36,294
200	27,904	112,632
300	73,378	296,180
400	109,057	440,193
500	212,272	856,805

<sup>1</sup> Throughputs are calculated incorrectly assuming non-detect compound emissions are equal to the detection limit.

<sup>2</sup> Throughputs are calculated correctly assuming non-detect compound emissions are equal to 0 per SCAQMD guidance.

5/46"  
\*Eqp\0#"

**Comment 5: Draft Rule Language Definition of RERUN SCRAP should include customer returns.**

As per the definition of 'Rerun Scrap' in the current draft rule language material that has left the facility—but is returned as sprues, gates, risers, foundry returns, or similar material is not included. The district staff has expressed concern that once it leaves the facility, an outside process could add oil, coatings, or some other contaminants that could produce emissions. A common practice within the metal sector is for customers to return sprues, gates, risers, returns and similar material back to the material provider. Since it is being returned, the material is not "generated at the facility," despite meeting the quality requirements.

Additionally, there are both industry standards and regulatory definitions which control the quality of scrap returned to a foundry for reprocessing. Because of these standards and regulatory requirements, the metal quality of third-party scrap is compositionally indistinguishable from internally generated Rerun Scrap.

For example, the federal MACT regulations for secondary aluminum production (40 CFR 63 Subpart RRR) strictly regulates the types and quality of aluminum which can be introduced into foundry furnaces. Subpart RRR defines the following terms (40 CFR §63.1503):

Clean charge means furnace charge materials, including molten aluminum; T-bar; sow; ingot; billet; pig; alloying elements; aluminum scrap known by the owner or

6250 E. Bandini Blvd., Los Angeles, CA 90040

5/7"

"

"





operator to be entirely free of paints, coatings, and lubricants; uncoated/unpainted aluminum chips that have been thermally dried or treated by a centrifugal cleaner; aluminum scrap dried at 343 °C (650 °F) or higher; aluminum scrap delacquered/decoated at 482 °C (900 °F) or higher, and runaround scrap.

Customer returns means any aluminum product which is returned by a customer to the aluminum company that originally manufactured the product prior to resale of the product or further distribution in commerce, and which contains no paint or other solid coatings (i.e., lacquers).

In the case of Subpart RRR, clean charge, customer returns, and internal scrap are considered equivalent feedstocks. As such, Kaiser believes the industry standards and regulations are sufficient to protect returned materials from including oil, coatings, or other contaminants. Kaiser suggests adding "customer returns" to the definition of Rerun Scrap and adding a new recordkeeping requirement for customer return logs to be maintained at the facility to note down the material specifications that meet the definition of Rerun Scrap.

Comment 6: There are significant safety and implementation concerns with the housekeeping requirements. Housekeeping requirements currently proposed in the draft rule language require use of approved cleaning methods. APPROVED CLEANING METHODS are techniques to clean while minimizing fugitive dust emissions consisting of wet wash, wet mop, damp cloth, low pressure spray, or vacuum equipped with filter(s) rated by the manufacturer to achieve a 99.97% control efficiency for 0.3 micron particles.

Using any of the approved cleaning methods (other than a "HEPA" vacuum) would involve introducing water or moisture. There are significant safety concerns introducing moisture in high heat environments in aluminum smelting facilities.

1. Explosion possibility

Explosions have occurred in the past at aluminum smelting facilities when any water or similar liquids comes in contact with molten aluminum, including dross tubs. Kaiser's casthouse safety protocols, which conform to The Aluminum Association Molten Aluminum Handling Guidelines, precludes the use of liquids in areas which may come into contact with molten aluminum, regardless of alloy or size. Consequently, none of the suggested wet methods can be used in the casthouse area where there is any potential for exposure to molten aluminum.

2. Release of toxics

When dross comes in contact with water, there is also a significant health and safety risk of byproduct gaseous emissions that result from the exothermic reaction of dross and water. Ammonia, methane, and hydrogen can be created, with ammonia being the most prevalent. Kaiser makes considerable efforts to not allow water to come in contact with the dross.

The only remaining alternative in the proposed rule language are "HEPA" vacuums. For Kaiser, given the layout and size of the facility, using a vacuum for cleaning purposes is not a practical cleaning methodology for all areas.

Although an explosion-proof floor sweeper with "HEPA" filters could conceivably work in some of the floor areas; our initial research of that type of equipment suggests that the commercially available units may not be able to meet the removal efficiency requirements set forth in the current draft of the new rules. Additionally, much of the non-dust debris that is typically present in some areas of the cast house is of sufficient size that it would not be picked up by a vacuum device, and must be mechanically; i.e., dry swept, to be disposed of.

6250 E. Bandini Blvd., Los Angeles, CA 90040

5/7"  
\*Eqp0"

5/8"

"



Page 6 of 8

Kaiser recognizes that cleaning is important to reduce the potential release of fugitive emissions; however, the allowable cleaning techniques need to be feasible. Particularly in Kaiser's case where the metals (arsenic and cadmium, and nickel) that drive the risk assessment results are not used by Kaiser in our manufacturing operations, but are rather low level or non-detect background impurities that are not unlike native area soils. Therefore, Kaiser requests that AQMD revisit the cleaning requirements to provide cleaning options/protocols that are both practical and achievable so that Kaiser, and facilities similar to Kaiser, can continue to safely operate.

5/8"  
\*Eqp0t"

Thank you for the opportunity to comment and we would appreciate if the district considered and incorporated these in the next version of the rule.

Sincerely,

Edward E. Swistock, PE  
Project Manager  
Kaiser Aluminum Fabricated Products, LLC

6250 E. Bandini Blvd., Los Angeles, CA 90040

"

"

"



Page 7 of 8

## Attachment A - SCAQMD ATIR Approval Letter



Via E-mail, Certified Mail and Return Receipt

September 19, 2017

Mr. Edward E. Swistock, P.E.  
Project Manager  
Kaiser Aluminum Fabricated Products, LLC  
6250 E. Bandini Blvd.  
Los Angeles, CA 90040

Subject: AB2588 Air Toxics Inventory Report (ATIR) Approval  
Kaiser Aluminum Fabricated Products, LLC (SCAQMD Facility ID No. 16338)

Dear Mr. Swistock:

The South Coast Air Quality Management District (SCAQMD) staff notified you by letter dated October 11, 2013 to prepare a detailed ATIR. Your ATIR submitted on April 30, 2014 for calendar year (CY) 2010 emissions has been reviewed and SCAQMD staff has updated your facility's priority score. As noted in the Facility Priority Score Form attached to this letter, the updated priority score is in the Intermediate Priority (Category B, 1 < Priority Score <= 10) specified in the "SCAQMD Supplemental Guidelines for Preparing Risk Assessments and Risk Reduction Plan for the Air Toxics 'Hot Spots' Information and Assessment Act, November 4, 2016."<sup>1</sup> Therefore, a Health Risk Assessment (HRA) is not required.

**Background**

In accordance with the State of California's Air Toxics "Hot Spots" Information and Assessment Act (AB 2588) and SCAQMD Rule 1402, SCAQMD staff notified your facility on October 11, 2013 that it must submit a detailed ATIR because of the high priority scores from the emissions inventory report for CY 2010. The ATIR prepared pursuant to this request was submitted on April 30, 2014.

A source test for dioxin/furan emissions was conducted from September 24-26, 2014 and the report was submitted to us on October 28, 2014. The source test report was conditionally approved by

<sup>1</sup> Available here: <http://www.scaqmd.gov/home/regulations/compliance/airtox-hat-meth-ab-2588>

6250 E. Bandini Blvd., Los Angeles, CA 90040

"

"

"





Page 8 of 8

Kaiser Aluminum Fabricated Products, LLC

2

September 19, 2017

SCAQMD's Source Test staff on November 14, 2014. A site visit to your facility was conducted on October 8, 2014 to understand your facility's operational activities.

A multiple metals, total chromium, hexavalent chromium and hydrogen sulfide compounds source test for the natural gas fired aluminum melting furnace (D9) was conducted from December 15-16, 2015. The source test report was submitted on February 25, 2016 and correction pages were submitted on June 9, 2016. The source test report was conditionally approved by SCAQMD's Source Test staff on June 23, 2016.

Incorporating the results of the source tests, SCAQMD staff recalculated your facility's 2010 priority score and determined it to be 2.31. Your facility's revised Priority Score demonstrates that for the toxics inventoried and the emission levels reported, your facility does not pose a significant health risk to the surrounding community and as a result no Health Risk Assessment is required. Therefore, you have complied in full with your obligations under AB 2588 Program. Please be aware that your facility is still in the "District Tracking" category of the AB 2588 Program and you are required to submit a quadrennial emissions inventory for year 2018. Your facility continues to be subject to an annual Hot Spots fee (refer to Table I of Rule 307.1) based on the results of your approved ATER. Should your facility have significant changes in activities or operations, please notify SCAQMD promptly.

We thank you for your participation in the AB 2588 program. If you have any questions regarding this letter, please contact Victoria Moavani at (909) 396-2455, or myself.

Sincerely,

Julian Wong, Ph.D.  
Planning and Rules Manager

Attachment: Facility Priority Scores (2010)

JW/VM/WK

6250 E. Bandini Blvd., Los Angeles, CA 90040

"

"

"

Tgur qpug'v'Ego o gpv'5/3"

Ugg'tgur qpug'v'eqo o gpv'4/50'

"

Tgur qpug'v'Ego o gpv'5/4"

Ugg'tgur qpug'v'eqo o gpv'4/30'

"

Tgur qpug'v'Ego o gpv'5/5"

Ugg'tgur qpug'v'eqo o gpv'4/50'

"

Tgur qpug'v'Ego o gpv'5/6"

Ugg'tgur qpug'v'eqo o gpv'4/50'

"

Tgur qpug'v'Ego o gpv'5/7"

Ewuxo gt'tgwtpu"j cu'dggp"fg hkgf "kp"rctci tcrj "e+\* 40Vj g'o gvcn'qt"cmq{"r wkw"gz go r wqpu"kp"rctci tcrj "m\*5-gzenf gu'ewuxo gt'tgwtpu"cu'rctv'qh'j g'3'r gtegpv'uetcr "cmqy gf 0"

"

Tgur qpug'v'Ego o gpv'5/8"

Uchh'tgeqi pl gu'vj g'pggf "hqt" c'o qkwtg/hgg"engcpkpi "vej pls wg'hqt"cnwo kpwo "uo gnkpi "hckkkgu0 Rctci tcrj "e+\*4+cmqy u'hqt" c"xcewwo "gs wkr r gf "y kj "J GRC" hngtu"cu"cp"qr wkp" hqt"j qwugngr kpi " tgs wktgo gpw0Dqj "tkf kpi "J GRC"xcewwo "cpf "dcenr cemJ GRC"xcewwo u'ctg"cxckrdng"vj cv'ecp"dg" wugf "v'o ggv'vj g'engcpkpi "tgs wktgo gpv'vj kj qw'vj g'wug'qh'ij cvgt0Neti gt'o gvcnr kgegu'o c{"dg'engcpgf " wukpi "cp"cngtpcvkg"vj cv'f qgu'pqv'tguwn'p hwi kkgu. uwej "cu'c' hcv'gf i gf "uj qxgn'qt"r kenkpi "wr "rcti g" f gdtku" d{"j cpf " \*puwrcvgf " i rixg" f wg" vq" j gcv0 Gxgp" y kj " wukpi " J GRC." y gtg" y kni" uwni" dg" eqpwo kpcvqp'ghv'qp"vj g'i tqwpf "cpf "f gdtku0C" J GRC"ku'pqv'gzr gcvf "v'eqo r ngvnt "edevg"vj g'o gvcn' f wuv" go kulkpu"kp"vj g"etgc. "uq" gvgp"uy ggr kpi "chgt" J GRC" wuci g'o c{"i gpgtevg" hwi kkg" go kulkpu0 Tgegvp" hwi kkg" go kulkp" gvgp" f wg" vq" uy ggr kpi "epf "eqo r tguvgf "ek" wugf "hqt" engcpkpi "j exg" k r eevgf " pgetd{"eo dlepv" o qpkatu0C" r tqxkukp" ku' kpenmf gf "kp" rctci tcrj " \*g+5+ cmqy kpi "cp" cngtpcvkg"engcpkpi "r tqegu"v'v' dg'wugf "d{"hckkkgu'r tqxf gf "vj g'cngtpcvkg"engcpkpi "r tqegu"o ggu" vj g" uco g" qdlgevkgu" cpf " ghgevgpguu. " gpuwtgu" vj cv' o gvcn' f wuv" y kni" pqv' dg" i gpgtcvgf "d{" vj g" cngtpcvkg"j qwugngr kpi "r tqegf vtg. "cpf "ku'uwdo kwgf "cpf "cr r tqxgf "d{" vj g"Uqwj "Eqcu'CS OF "cu" rctv'qh'c" J qwugngr kpi "Ego r kcepg" Rrcp0Gzco r ngu"qh'cngtpcvkg"engcpkpi "r tqeguugu"vj cv'ecp" tgr nceg'vj g'tgs wktgf "j qwugngr kpi "o gcuwtgu'eqwf "dg'wukpi "c" J GRC"xcewwo "vj gp'f t{"uy ggr kpi "vj g" rcti gt'o gvcnr kgegu'y kj kp'qpg"j qwt'qt" wukpi "c" J GRC"xcewwo "y kj "cp"cwcej gf "dtqgo "j gcf 0"

"

"

## COMMENT LETTER #4

Nqu'Cpi grgu'Y cvgtnggr gt"  
Lwn{ "32."423; "



July 10, 2019

Mr. Michael Morris  
Planning, Rule Development, and Area Sources  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

RE: Comments on Proposed Amended Rule 1407—Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations

Sent via e-mail to [mmorris@aqmd.gov](mailto:mmorris@aqmd.gov)

Dear Mr. Morris,

Los Angeles Waterkeeper (LAW) submits the following comments on Proposed Amended Rule 1407—Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations.

LAW is a nonprofit environmental organization composed of over 3,000 members that works to protect and restore the inland and coastal surface and groundwaters throughout Los Angeles County. The South Coast AQMD jurisdiction includes the South Coast Air Basin, which includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernadino counties. Los Angeles Waterkeeper and its partner organizations thus advocate for improved water quality of many waterbodies within the South Coast AQMD jurisdiction.

Aerial pollutants such as arsenic, cadmium, and nickel from industrial sources can cause or exacerbate water quality problems both directly by deposition into waterbodies and indirectly by deposition onto land and subsequent runoff into water bodies. LAW has reviewed the Proposed Amended Rule 1407 and supports eliminating Rule 1407's overly broad exemptions, such as the "metal or alloy purity" and "clean aluminum scrap" exemptions, as metals containing arsenic, cadmium, and/or nickel pose a risk to the health of surrounding communities and waterbodies.

6/3"

### Effect of Particulate Matter on Waterbodies

Air serves as a medium for metals to directly and indirectly enter inland and coastal waterbodies. Particulate matter can increase acidity and/or change nutrient balances in waterbodies, deplete nutrients in soil, contribute to acid rain effects, and affect overall ecosystem

"

diversity.<sup>1</sup> These combined effects damage ecosystem health and threaten the water quality of streams, lakes, and the oceans in the South Coast AQMD jurisdiction. Further, metal particles are not biodegradable, allowing them to remain in waterbodies and contaminate drinking water supply.<sup>2</sup>

### **The Clean Water Act, Water Quality Standards, and Air Pollution**

The federal Clean Water Act (CWA) aims to “restore and maintain the chemical, physical, and biological integrity of the Nation’s waters.”<sup>3</sup> The CWA requires states to adopt water quality standards that support the waterbody’s uses and protect the public health and welfare. The CWA presumes all water bodies should be fishable and swimmable.<sup>4</sup> States must monitor water quality and identify impaired or threatened waters. Once a state designates a waterbody as impaired, it must develop a strategy to restore the water quality. The California Water Code §13020, known as the Porter-Cologne Water Quality Act, enables the State Water Resources Control Board and Regional Water Quality Control Boards to implement the federal Clean Water Act pursuant to the California Water Code.

Airborne pollution affects this process in two ways. First, the Environmental Protection Agency has declared the direct and indirect deposition of particulate matter into waterbodies as a source of nonpoint pollution. Section 319 of the CWA requires states to develop nonpoint source pollution management programs. Additionally, stormwater runoff transports fallen particulate matter from surfaces (such as buildings and streets) into bodies of water. The CWA designates stormwater runoff as point source pollution and requires cities to implement Stormwater Management programs.

LAW therefore supports the Proposed Amended Rule 1407 with a few additional suggestions. First, we ask for more coordination between the South Coast Air Quality Management District and the Los Angeles Regional Water Quality Board in recognition that air, land, and water pollution do not respect the jurisdictional boundaries of regulatory agencies. In particular, SCAQMD should consider the effect of air pollution on waterbodies within its jurisdiction. Fugitive gases especially pose a risk of degrading water quality when metal burning operations are situated in close proximity to waterbodies such as the Los Angeles River, which suffers numerous water quality impairments. Additionally, while the Proposed Amended Rule 1407 will sunset the majority of Rule 1407’s exemptions, certain exemptions remain. For example, facilities that melt less than one ton per year are only subject to recordkeeping provisions. We request clarification to what extent fugitive emissions could pose a threat to water quality, even from relatively small sources, from facilities in close proximity to waterbodies.

6/4"

6/5"

<sup>1</sup> <https://www.epa.gov/pm-pollution/health-and-environmental-effects-particulate-matter-pm> (Accessed July 10, 2019).

<sup>2</sup> Geiger, A., & Cooper, J. (2010). Overview of airborne metals regulations, exposure limits, health effects, and contemporary research. *Environmental Protection Agency, Air Quality: Washington, DC, USA*.

<sup>3</sup> 33 U.S.C. 1251 (a)

<sup>4</sup> 33 U.S.C. 1251 (a)(2) states, “it is the national goal that wherever attainable, an interim goal of water quality which provides for the protection and propagation of fish, shellfish, and wildlife and provides for recreation in and on the water be achieved by July 1, 1983”

Lastly, we recommend that SCAQMD include cost savings when conducting the Socioeconomic Impact Assessment of Proposed Amended Rule 1407. Reduced emissions of arsenic, cadmium, and nickel will lead to improved health of the surrounding communities and waterbodies. This translates into economic benefits, such as lowered health care costs and lowered costs from compliance with water quality standards.<sup>5</sup> While these metrics can be difficult to calculate, they should at the very minimum be noted in the overall cost benefit analysis of the Proposed Amended Rule 1407 to ensure a more accurate socioeconomic impact analysis.

6/6"

Thank you for this opportunity to comment on the Proposed Amended Rule 1407.

Sincerely,



Kathryn Pettit  
Law Fellow,  
Los Angeles Waterkeeper

<sup>5</sup> See, for example, *The Cost of Air Pollution: Strengthening the economic case for action*, a report by the World Bank and Institute for Health Metrics and Evaluation, finding that air pollution cost the United States over \$450 billion in total welfare losses in 2013. The U.S. Office of Management and Budget reported that U.S. Environmental Protection Agency regulations issued between 2004 to 2014 to improve air quality provided between \$157 billion and \$777 billion in economic benefits to the United States.

"

"

"

T g u r q p u g ' v q ' E q o o g p v ' 6 / 3 "

U c h i ' c e n p q y n g f i g u ' j g ' u w r r q t v h q t ' r k o k k p i " j g ' q x g t n f " d t q c f " g z g o r v k p u 0 "

T g u r q p u g ' v q ' E q o o g p v ' 6 / 4 "

V j g ' E c n h q t p k ' G p x k t q p o g p c n S w c r k v f ' C e v t g r q t v k u ' r t q x k f g f " v q ' q y g t ' t g i w r c v q t { " c i g p e k g u . l p e n w f k p i " y c v g t " s w c r k v f " d q c t f u . " h q t " v j g k " t g x k g y 0 " V j g " t g r q t v l p e n w f g u " c " f g v c k r g f " c p c n f u k u " q h ' r q v g p v k c n ' y c v g t " k o r c e w u ' h t q o " v j g ' r t q r q u g f ' t w r g 0 "

T g u r q p u g ' v q ' E q o o g p v ' 6 / 5 "

V j g ' u e q r g ' q h ' R C T " 3 6 2 9 " f q g u ' p q v ' e j c p i g ' j g ' l o r c e w u ' v q ' h c e k k k g u ' v j c v ' o g n ' i g u u ' v j c p " 3 " v q p ' r g t " { g c t " q h ' p q p / e j t q o k w o " o g v c n u 0 ' U c h i ' f k f " p q v ' c p c n f | g ' j g ' g z v g p v ' q h ' h w i k k x g " g o k u k q p u ' l o r c e w u ' q p ' y c v g t " s w c r k v f " h t q o " h c e k k k g u " k p " e n q u g " r t q z k o k v f " v q " y c v g t d q f k g u " d g e c w u g " k ' k u " q w u k f g " v j g ' u e q r g ' q h ' v j g " r t q r q u g f ' t w r g 0 " k o r c e w u . k h ' c p { . y q w r f " d g ' v p e j c p i g f " d { " v j g " c o g p f o g p w u ' v q ' v j g ' t w r g 0 "

T g u r q p u g ' v q ' E q o o g p v ' 6 / 6 "

K o r t q x g f " r w d r k e " j g c n j " f w g ' v q ' t g f w e g f " c k t " r q m w k q p " g o k u k q p u " o c { " c n u q " t g u w n / l p " c " r q u k k x g " g h h g e v ' q p " y q t n g t " r t q f w e v k k v f " c p f " q v j g t " g e q p q o k e " h c e v t u = j q y g x g t . " r w d r k e " j g c n j " d g p g h k v " c u u g u o g p v ' t g s w k t g u " v j g " o q f g r k p i " q h ' c k t " s w c r k v f " k o r t q x g o g p w u 0 " V j g t g h q t g . " k ' k u " e q p f w e v g f " h q t " C k t " S w c r k v f " O c p c i g o g p v ' R r c p u ' c p f " p q v h q t " l p f k k f w c n ' t w r g u ' q t ' t w r g " c o g p f o g p w u 0 "

## Comment Letter #5

Mckugt "Cnwo kpw "Hcdtkecygf "Rtqf wevu"  
Cwi wuv'4."423; "



Page 1 of 3

02 August, 2019

Mike Morris  
South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765

Dear Mr. Morris,

Kaiser Aluminum ("Kaiser" or "the facility") appreciates the opportunity to comment on the South Coast Air Quality Management District ("District" or "SCAQMD") workshop proceedings and consideration of **SCAQMD Proposed Amended Rule 1407 (PAR 1407)**.

## General Comment:

Kaiser previously provided comments in regards to this matter on or about 09 July, 2019 inclusive of six specific comments. We appreciate the dialogue that we have had with District staff as a result of these previous comments. In addition to the previous six comments we offer an additional three comments, and elaborate on comment #6, included below for clarity.

**Comment 6:** *There are significant safety and implementation concerns with the housekeeping requirements. Housekeeping requirements currently proposed in the draft rule language require use of approved cleaning methods. APPROVED CLEANING METHODS are techniques to clean while minimizing fugitive dust emissions consisting of wet wash, wet mop, damp cloth, low pressure spray, or vacuum equipped with filter(s) rated by the manufacturer to achieve a 99.97% control efficiency for 0.3 micron particles.*

*Using any of the approved cleaning methods (other than a "HEPA" vacuum) would involve introducing water or moisture. There are significant safety concerns introducing moisture in high heat environments in aluminum smelting facilities.*

1. Explosion possibility

*Explosions have occurred in the past at aluminum smelting facilities when any water or similar liquids comes in contact with molten aluminum, including dross tubs. Kaiser's casthouse safety protocols, which conform to The Aluminum Association Molten Aluminum Handling Guidelines, precludes the use of liquids in areas which may come into contact with molten aluminum, regardless of alloy or size. Consequently, none of the suggested wet methods can be used in the casthouse area where there is any potential for exposure to molten aluminum.*

2. Release of toxics

*When dross comes in contact with water, there is also a significant health and safety risk of byproduct gaseous emissions that result from the exothermic reaction of dross and water. Ammonia, methane, and hydrogen can be created, with ammonia being the most prevalent. Kaiser makes considerable efforts to not allow water to come in contact with the dross.*

*The only remaining alternative in the proposed rule language are "HEPA" vacuums. For Kaiser, given the layout and size of the facility, using a vacuum for cleaning purposes is not a practical cleaning methodology for all areas.*

7/3"

6250 E. Bandini Blvd., Los Angeles, CA 90040

"





*Although an explosion-proof floor sweeper with "HEPA" filters could conceivably work in some of the floor areas; our initial research of that type of equipment suggests that the commercially available units may not be able to meet the removal efficiency requirements set forth in the current draft of the new rules. Additionally, much of the non-dust debris that is typically present in some areas of the cast house is of sufficient size that it would not be picked up by a vacuum device, and must be mechanically removed; i.e., dry swept, to be disposed of.*

*Kaiser recognizes that cleaning is important to reduce the potential release of fugitive emissions; however, the allowable cleaning techniques need to be feasible. Particularly in Kaiser's case where the metals (arsenic and cadmium, and nickel) that drive the risk assessment results are not used by Kaiser in our manufacturing operations, but rather are trace level or non-detect background impurities that are not unlike native area soils. Therefore, Kaiser requests that AQMD revisit the cleaning requirements to provide cleaning options/protocols that are both practical and achievable so that Kaiser, and facilities similar to Kaiser, can continue to safely operate.*

**Update to comment #6: (#6.a):** Kaiser remains concerned with compliance on this issue. In further researching the availability of HEPA dry sweepers with a 99.97% 0.3 micron capture efficiency, there are some models that appear to be available. As a point of reference, the vendor we contacted refers to this as a "MERV 17" filtration system, using the OSHA nomenclature. In contacting these vendor(s), they do not offer explosion proof unit, which may limit their safe use for aluminum dust

We also believe that we will need to scrap and/or "dry-sweep" the floor surface to remove the larger metal pieces. These materials do not meet the definition of "dust" as contained in PAR 1407 Draft Rule Language. Since weekly housekeeping will be required using "Allowable Methods" as defined in the current rule language, we request that clarifying language be added that recognizes and allows cleaning of "non-dust" materials by other methods.

It is worth noting that this dust does not contain free elemental forms of the toxic metals in question, since the trace elements are contained in the stable aluminum alloy matrix, and are only potentially liberated in the presence of very high temperatures or purposeful chemical reactions that dissolve the aluminum matrix.

**Comment #7:** Housekeeping - e.1.C-D states the "All areas where furnace and casting operations occur... " "shall be cleaned at least weekly..." The word "All" is troublesome from an enforcement standpoint. It could be interpreted to mean the 30' ceiling, crane rails, purlins, etc. Will it be possible to use the same language that is in the cutting and grinding sections of the rule specifying floors within 20 feet?

**Comment #8:** In the definition of "Metal Cutting" in section c.18 the word "abrasively"; i.e. non-mechanical, is used in the definition. This verbiage is not included in subsequent sections where [metal] cutting is referenced. Will it be possible to be consistent in the rule language to differentiate between "abrasive" cutting and non-abrasive mechanical cutting?

7/3"  
\*Eqp0"

7/4"

7/5"

6250 E. Bandini Blvd., Los Angeles, CA 90040

"





**Comment #9:** Effective date – housekeeping. It is very unlikely that Kaiser would be able to specify and purchase the required HEPA compliant equipment within 30 days as specified in the rule. Will it be possible to change the effective date to 01 July 2020 to align with the building enclosure requirements?

7/6"

Thank you for the opportunity to comment and we would appreciate if the district considered and incorporated these in the next version of the rule.

Sincerely,

Edward E. Swistock, PE  
Project Manager  
Kaiser Aluminum Fabricated Products, LLC

Tgur qpug'v'Ego o gpv'7/3"

Ugg'tgur qpug'v'ego o gpv'5/80'

"

Tgur qpug'v'Ego o gpv'7/4"

Vj g'j qwugnggr kpi 'tgs wkt go gpw'kp'uwdr ctc i tcr j '\*g+3+E+j' cxg'dggp'entkkgf "v'ur gekh' "engcpkpi " qh'hqqt'ctgcu'y kj kp'42'hggv'qh'cr r decdng'qr gtcvqpu0'

"

Tgur qpug'v'Ego o gpv'7/5"

Cu'v' g'ego o gpvt'pqvu."O gvcn'Ewwkpi "ku'f ghkgf "kp'v' g'twrg'cu'cdtcukxg'ewwkpi 0Qv' gt'hqto u'qh' ewwkpi ."kpenwf kpi "o gej cplecn"o cej kpkpi ."o knkpi ."wtpkpi ."nugt."y cvgt'lgv'ctg"pqv'uwdlgev'v'v' g' twrg0Cf fklqpcmf'."cdtcukxg'o gvcn'ewwkpi 'eqpf wexgf 'wpgt'c'eqpv'pwqwu'hmy 'qh'o gvcntgo qxcn'hmkf " ku'pqv'uwdlgev'v'v' g'twrg0'

"

Tgur qpug'v'Ego o gpv'7/6"

Vj g'ghgevkxg'f cvg'qh'v' g'pgy 'j qwugnggr kpi 'tgs wkt go gpw'y knldg'Lwn' 3.'4242'v'cmqy 'v' g't wej cug" qh'ur gekrkf gf "gs wkr o gpv'cpf "v'o cng'ej cpi gu'v'uqtc i g'cpf "dwkf kpi u0"

"

"

## ATTACHMENT H

### SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

#### Final Environmental Assessment for Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations"

August 2019

South Coast AQMD Number: 06282019LE  
State Clearinghouse Number: 2019069121

#### Executive Officer

Y c {pg'P cutk"

#### Deputy Executive Officer

##### Planning, Rule Development and Area Sources

Rj kkr "Hkp g."Rj (F 0'

#### Assistant Deputy Executive Officer

##### Planning, Rule Development and Area Sources

Uwucp"P cne o wtc"

#### Assistant Deputy Executive Officer

##### Planning, Rule Development and Area Sources

Uctcj "Tgg u."Rj (F 0'

---

Authors:" Nwn g'Gkugpj ctf v" Ckt "S wcrkv{ "Ur gekcrkv"

#### Technical

Assistance: Mgppctf "Gmku" Ckt "S wcrkv{ "Ur gekcrkv" \*t gvk gf +"  
" O kej cgrl'O qttku" Rrcppkpi "cpf "Twrgu'O cpci gt"

#### Reviewed

By:" O kej cgrl'Micwug" Rrcppkpi "cpf "Twrgu'O cpci gt"  
" Lknkcp "Y qpi " Rrcppkpi "cpf "Twrgu'O cpci gt"  
" Dctdctc "Tcf rglp" Rtki tco "Uwr gtxkuqt."EGS C"  
" Y knkco "Y qpi " Rtkpekr cnF gr ww{ "F kxtkevEqwpugn"  
" O kej cgrl'O qttku" Rrcppkpi "cpf "Twrgu'O cpci gt"

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
**I QXGTP R I 'DQCTF "**

"

**CHAIRMAN:"** F T0'Y KNNKO 'C0DWTMG"  
" Ur gcngt "qh'yj g'Cuugo dn\ 'Crr qlpvvg"  
"

**VICE CHAIR<** DGP "DGP QK/"  
" Eqwpekl'O go dgt. 'Y kf qo ct"  
" Ekkgu'qh'Tkxgtukf g'Eqwpv\ "  
"

**MEMBERS:**  
"

NKUC "DCTVNGVV"  
Uwr gtxluqt. 'Hhvj 'F kntlev'  
Eqwpv\ "qh'Qtcp\ g"

LQG "DWUECK Q"  
Eqwpekl'O go dgt. '37j 'F kntlev'  
Ek\ "qh'Nqu'Cpi grgu' Tgr t gupv\ xg"

O KJ CGN' C0ECEEKQVVK'  
Eqwpekl'O go dgt. 'Uqwj 'Rcuf gpc"  
Ekkgu'qh'Nqu'Cpi grgu'Eqwpv\ lGuvgtp 'Tgi kqp"

XCP GUUC 'F GNI CF Q"  
Ugpcvg 'Twgu'Eqo o kvvg 'Crr qlpvvg"

ICP KEG'J CJ P  
Uwr gtxluqt. 'Hqwtj 'F kntlev'  
Eqwpv\ "qh'Nqu'Cpi grgu"

NCTT[ 'O EECNNQP "  
O c{ qt 'Rtq 'Vgo . 'J ki j rpf "  
Ekkgu'qh'Ucp 'Dgtptf lqp 'Eqwpv\ "

LWF KJ 'O K/EJ GNN"  
O c{ qt. 'Tqnkpi 'J kmu'Gucvgu"  
Ekkgu'qh'Nqu'Cpi grgu'Eqwpv\ lY guvgtp 'Tgi kqp"

X0O CP WGN' RGTG\ "  
Uwr gtxluqt. 'Hqwtj 'F kntlev'  
Eqwpv\ "qh'Tkxgtukf g"

F Y K J V' TQDK UQP "  
Eqwpekl'O go dgt. 'Ncng 'Hqtguv'  
Ekkgu'qh'Qtcp\ g'Eqwpv\ "

ICP KEG' TWJ GTHQTF "  
Uwr gtxluqt. 'Ugeqpf 'F kntlev'  
Eqwpv\ "qh'Ucp 'Dgtptf lqp"

XCECP V"  
I qxgtpqtai 'Crr qlpvvg"  
"

**EXECUTIVE OFFICER:**  
**Y C[ PGP CUVTK**  
"

## PREFACE

Vj ku'f qewo gpv'eqpukwgu'vj g'Hlpcn'Gpxkqpo gpv'n'Cuuguuo gpv'\*GC+hqt'Rtqr qugf 'Co gpf gf 'Twrq"  
3629"ó"Eqpvtqn'qh'Go kuukqpu'qh' Ctugple."Ecf o kwo ."cpf "Plengri'htqo "P qp/Ej tqo kwo "O gvcn'  
O gmkpi "Qr gtcvkqpu'0'C'F tch'GC"y cu'ektewrcvgf "hqt" c"54/f c{ "r wdrie'tgxkgy "cpf "eqo o gpv'r gkqf "  
htqo "Lwpg"4: ."423; "vq'Lwn' "52."423; "cpf "qpg"eqo o gpv'ngwt "y cu'tgegkxgf 0'Vj g'eqo o gpv'ngwt "  
cpf "tgur qpug'tgrcvxg"vq"vj g'F tch'GC"j cxg'dggp'kpenw gf 'kp'Cr r gpf kz 'F'qh'vj ku'Hlpcn'GC0"  
"

Cpcn'uku'qh'RCT"3629"kp"vj g'F tch'GC"kp'lecvgf "vj cv'tgf welpi "ctugple."ecf o kwo ."cpf "plengri'  
go kuukqpu'ku" c" f k'gev'gpxkqpo gpv'n'dgpgkx."cpf "hwtvj gto qtg."pq'ugeqpf ct{ "uki p'k'lecqv'cf xgtug"  
gpxkqpo gpv'n'ko r ceu'y gtg"gzr gev'gf "hqt"cp{ "gpxkqpo gpv'n'vqr le"ctgcu'0'Ukeg"pq"uki p'k'lecqv'  
cf xgtug'ko r ceu'y gtg'kf gpv'k'gf."cp'cmgtpcv'xgu'cpcn'uku'cpf "o kki cvkqp"o gcuwtgu'ctg'pqvtgs vkt gf 0'  
JEGS C'I vkf grkpgu'Ugevkqp"37474\_0"  
"

Vq'hcekrkxg'kf gpv'k'lecqv'qh'vj g'ej cpi gu'dgwy ggp'vj g'F tch'GC"cpf "vj g'Hlpcn'GC."o qf k'lecqv'ku"  
vq"vj g'f qewo gpv'y gtg"lpenw gf "cu"wpf gtrkpgf "vgz v"cpf "vgz v"tgo qxgf "htqo "vj g'f qewo gpv'y cu"  
kp'lecvgf "d{ "utlkgvj tqwi j 0'Uwdugs wgpv'vq"vj g'tgrcug"qh'vj g'F tch'GC"htq"r wdrie'tgxkgy "cpf "  
eqo o gpv'bo qf k'lecqv'ku'y gtg'bo cf g'vq'RCT"3629"cpf "uqo g'qh'vj g'tgxkukqpu'y gtg'bo cf g'kp'tgur qpug"  
vq'xgtdcn'cpf "y tkwgp"eqo o gpv'u'tgegkxgf "f wtkpi "vj g'twrq'f gxgnr o gpv'r tqegu'0'Vj g'bo qf k'lecqv'ku"  
lpenw g<"3+"cf f kpi "cpf "tgxkukpi "f gh'p'k'kqpu="4+"tgy qtf kpi "cpf "tgpwo dgtkpi "twrg"ncpi wci g="5+"  
cf f kpi "tgs vkt go gpv'u'tgrcvxg"vq"vj g'gphqtego gpv'qh'xkukdrg"go kuukqpu="6+"tgxkukpi "gh'gevkxg'f cvgu="7+"  
guvcdikuj kpi "o k'pko wo "uco r ng"xqmw gu'htq"uqwtg"vgukpi "cpf "rtqv'eqn'htq"tguwmu'dgmjy "vj g"  
f g'gevkqp"rko k="8+"cf f kpi "cpcn'uku"i vkf grkpgu'htq"eqpf vevkpi "o cvgtkcn'vgukpi ="9+"w f cvkpi "vj g"  
gzgo r vkqp'htq'xgt{ "engcp"o gmkpi "hcekrkxg="cpf ": +lpenw kpi "qyj gt"o k'pqt"gf ku'cpf "emtk'lecqv'ku'0'  
Vq'cxqkf "eqphwukp."o k'pqt'htqo cvkpi "ej cpi gu'ctg'pqv'uj qy p'kp'wpf gtrkpg'qt'utlkgvj tqwi j "o qf g0"  
"

Uchh'j cu'tgxkgy gf "vj g" o qf k'lecqv'ku" vq" RCT" 3629" cpf "j cu" w f cvgf "vj g" EGS C" cpcn'uku"  
ceeqt f kpi n'0' Uchh'j cu'eqpenw gf "vj cv'p'qpg"qh'vj g'tgxkukqpu<"3+"eqpukwgu'uki p'k'lecqv'pgy "  
kphqto cvkqp="4+"eqpukwgu'c'uwducpv'cn'l'petgcug'kp'vj g'ugxgtk'v'qh'cp'gpxkqpo gpv'n'ko r cev="qt."5+"  
rtqxf g'pgy "kphqto cvkqp"qh'uwdupv'cn'l'ko r qtcpeg'tgrcvxg"vq"vj g'F tch'GC0'kp'cf f k'kqp."tgxkukqpu"  
vq"vj g'r tqr qugf "rtqlgev'kp'tgur qpug"vq'xgtdcn'qt"y tkwgp"eqo o gpv'u'f wtkpi "vj g'twrq'f gxgnr o gpv'  
rtqegu'y qwf "pqv'etgcvg'pgy ."cxqkf cdrg'uki p'k'lecqv'gh'geu'0'Cu" c"tguwmu"vj g'ug'tgxkukqpu'f q"pqv'  
tgs vkt g'tgektewr'vq'qh'vj g'F tch'GC'r wtuwcpv'vq'EGS C'I vkf grkpgu'Ugevkqp"372950'cpf "372: : 070'  
Vj gtghqg."vj g'F tch'GC"j cu'dggp'tgxkugf "vq'lpenw g'vj g'chqtgo gpv'k'p'gf "o qf k'lecqv'ku'uwej "vj cv'ku"  
pqy "vj g'Hlpcn'GC'htq'RCT"36290

## TABLE OF CONTENTS

“

Rci g'P q0'

## CHAPTER 1 – PROJECT DESCRIPTION

[illegible]

11

## CHAPTER 2 – ENVIRONMENTAL CHECKLIST

[illegible]

11

“

## APPENDICES

C r r g p f k z "C < " R t q r q u g f "C o g p f g f "T w r g "3629"o "E q p v t q n i q h "G o k u k q p u "q h "C t u g p l e ."  
E c f o k w o . "c p f "P l e n g n i t q o "P q p /E j t q o k w o "O g v c i "O g n k p i "Q r g t c v k q p u"  
C r r g p f k z "D < " E c r G G O q f "H k g u . "C u u w o r v k q p u . "c p f "E c r e w r v k q p u"  
C r r g p f k z "E < " R C T "3629" N k u v "q h "C h g e v g f "H c e k n k g u"  
C r r g p f k z "F < " E q o o g p v "N g w g t "T g e g k x g f "q p "v j g "F t c h "G C "c p f "T g u r q p u g"

11

"

Rci g'P q0'

## LIST OF TABLES

Vcdrg"3/3< P w o dgt'qh'Chgevgf 'Hckkkkgu'r gt 'Kpf wut { 'V{r g'Uwdlgev'q'RCT" 3629( )'3/44"

Vcdrg"4/3< Mg{ 'Eqo r qpgpw'qh'RCT'3629'y kj 'Rj { ulecn'Ghgewu'qp'Chgevgf " Hckkkkgu( )'4/7"

Vcdrg"4/4< Uqwj 'Eqcu'CS O F 'Ck'S wrk{ 'Uk p k h e c p e g 'Vj t g u j q r f u( )'4/34"

Vcdrg"4/5< Uqwtegu'qh'Rqvgp'cn'Ugeqpf ct { 'Cf xgtug'Ck'S wrk{ 'cpf 'I J I "" K r c e v u'F w t k p i 'Eqputwekqp'cpf 'Qr gtcvqp'( )'4/36"

Vcdrg"4/6< Rgcn'F ckn{ 'Eqputwekqp'Go kuukpu( )'4/3: "

Vcdrg"4/7< Rgcn'F ckn{ 'Qr gtcvqp'Go kuukpu( )'4/3; "

Vcdrg"4/8< Rgcn'F ckn{ 'Eqputwekqp'cpf 'Qr gtcvqp'Qxgtrr 'Go kuukpu( )'4/42"

Vcdrg"4/9< I J I 'Go kuukpu'htqo 'Chgevgf 'Hckkkkgu( )'4/46"

Vcdrg"4/: < K p e t g c u g u'lp'Grgewtlek{ 'F go cpf 'hqt'Qr gtcvki 'Dci j qwugu( )'4/55"

Vcdrg"4/; < Cppwcn'Vqcn'Rtqlgevgf 'Hwgn'Wuci g'hqt'Eqputwekqp'Cevxkkgu( )'4/56"

Vcdrg"4/32< Cppwcn'Vqcn'Rtqlgevgf 'Hwgn'Wuci g'hqt'Qr gtcvqp'Cevxkkgu( )'4/57"

Vcdrg"4/33< Rgcn'F c{ 'Xgj kerg'Vtr u( )'4/88"

"

"

## LIST OF FIGURES

[illegible]

"

"

## **CHAPTER 1**

### **PROJECT DESCRIPTION**

---

**Introduction**

**California Environmental Quality Act**

**Project Location**

**Project Background**

**Technology Overview**

**Project Description**

**Summary of Affected Facilities**

"



## INTRODUCTION

Vj g'Ecrhqtplc'Ngi kurwtg'etgcvf 'y g'Uqwj 'Eqcu/Ck'S wrk\ 'O cpci go gpvF kurtlev\*Uqwj 'Eqcu' CS O F +lp'3; 99<sup>3</sup>'cu'y g'ci gpe\ 't gur qpukdng'hqt'f gxgnr kpi 'cpf 'gphqtelkpi 'go kuukqp'eqpvtqntwgu' cpf 'tgi wrvqpu'lp'y g'Uqwj 'Eqcu/Ck'Dculp'Dculp+cpf 'r qt vqpu'qh'y g'Ucnqp'Ugc'Ck'Dculp'cpf ' O qlcxg'F gugt'V' Ck'Dculp0'D\ 'ucwwg.'Uqwj 'Eqcu'CS O F 'ku'tgs wktgf 'v'cf qr v'cp'ct' s wrk\ ' o cpci go gpvt rcp'CS O R+f go qpwtcvkpi 'eqo r rkepeg'y kj 'cnlhgf gtrncpf 'ucvg'co dlkpv'ct's wrk\ ' ucpf ctf u'hqt' y g'ctgeu'wpf gt' Uqwj 'Eqcu'CS O F ai'lwktuf levkp<sup>4</sup>0'Hwtj gto qtg.'Uqwj 'Eqcu' CS O F 'o wuv'cf qr v'twgu'cpf 'tgi wrvqpu'y cv'ectt\ 'qw'y g'CS O R<sup>5</sup>0'Vj g'CS O R'ku'c'tgi kqpcn' dnwgr tlv'hqt'j qy 'Uqwj 'Eqcu'CS O F 'y knicej kxg'ct' s wrk\ 'ucpf ctf u'cpf 'j gcnj hwt'ct'cpf 'y g' 4238'CS O R<sup>6</sup>'eqpvkpu'o wnr ng'i qcn'r tqo qvpi 'tgf wevqpu'qh'etkgtk'ct' r qmwcpv.'i tggpj qwug' i cugu.'cpf 'vqzleu0'Kp'r ctlevwrt.'y g'4238'CS O R'kpnxf gu'eqpvtqn'o gcuwtg'VZ O /28<'Eqpvtqn'qh' Vqzle'Go kuukqpu'htqo 'O gcn'O gnkpi 'Hcekkkgu.'y j lej 'uggm'v'q'hwj gt'tgf weg'ctugple.'ecf o kwo . ' plengn'qj gt'vqzle'o gcnu.'cpf 'r ctlevwrt'v'htqo 'hwj t\ 'qr gtcvqpu0"

Go kuukqpu'qh'ctugple.'ecf o kwo . 'cpf 'plengn'ctg'ewtgpw\ 'tgi wrv'f'd\ 'Uqwj 'Eqcu'CS O F 'Twrg' 3629'6'Eqpvtqn'qh'Go kuukqpu'qh'ctugple.'Ecf o kwo . 'cpf 'P lengn'htqo 'P qp/Hgttqwu'O gcn'O gnkpi ' Qr gtcvqpu.'y j lej 'y cu'cf qr v'f'lp'Lwn\ '3; ; 60'Ukeg'ku'cf qr v'q.'Uqwj 'Eqcu'CS O F 'uchh'y cu' wungf' y kj 'gznrtkpi 'tgf wekpi 'go kuukqpu'htqo 'hgttqwu'o gcn'o gnkpi 'hcekkkgu'cpf 'v'q'hwj gt' tgf weg'ctugple.'ecf o kwo . 'cpf 'plengn'htqo 'pqp/hgttqwu'o gcn'o gnkpi 'qr gtcvqpu0'Uqwj 'Eqcu' CS O F 'uchh'f'kueqxtgf 'y cv'c'o clqt\ 'qh'hcekkkgu'r tgegu' xgt\ 'rti g' s wcpv'kku'qh'o gcnu' eqpvkplpi 'ctugple.'ecf o kwo . 'cpf kq'plengndw'ctg'ewtgpw\ 'gzgo r v'htqo 'o quv'qh'y g'tgs wktgo gpv' lp'Twrg'3629'wpf gt'y g'oo gcn'qt'cmq\ 'r wkt\ o'gzgo r v'kp0'Kp'cf f kkp.'Twrg'3629'cmq'gzgo r v' u' oengcp'cnwo kpwo 'ueter o'y kj qw'rko kkp' y g'eqpvgp'qh'ctugple.'ecf o kwo . 'qt'plengn'eqpvkpgf 'lp' y g' ueter 0'Dgecwug'y gug'qxgn\ 'dtqcf'gzgo r v'kp'j cxg'j cf 'y g'kpcf xgtvgp'ghgev'qh'cmqy kpi ' hcekkkgu'v'j cxg'go kuukqpu'y cv'r qug'c'tkni'v'y g'uwtqwpf kpi 'eqo o wkp\ . 'Uqwj 'Eqcu'CS O F ' uchh'ku'r tqr qukpi 'co gpf o gpv'v'q'Twrg'3629'y cv'y qwf 'ko r qug'utlevgt'etkgtk'hqt'c'hcekk\ 'v' s wrk\ 'hqt'cp'gzgo r v'kp0'

Cnuq.'ukpeg'y g'v\ r g'qh'vqzle'ct'eqpco kpcpv'go kwgf 'htqo 'pqp/hgttqwu'cpf 'hgttqwu'o gcn'o gnkpi ' qr gtcvqpu'ctg' f khtgtpv' cpf ' cr r tqej gu' v'q' eqpvtqmkpi ' y gug' xct\ kpi ' vqzle' ct' eqpco kpcpv' go kuukqpu'y qwf 'cmq'f khtg'f gr gpf kpi 'qp'y g'r qvpe\ 'qh'y g'vqzle'ct'eqpco kpcpv.'Uqwj 'Eqcu' CS O F 'uchh'f'gek'gf 'v'r kxq'htqo 'eqo dlpkpi 'tgs wktgo gpv'ht' hgttqwu'cpf 'pqp/hgttqwu'o gcn' o gnkpi 'qr gtcvqpu'lp'q'qpg'twrg'\*g0 0'Twrg'3629+0'Kp'r ctlevwrt.'dgecwug'egt v'k' hgttqwu'cmq\ u'f'q' pqv'eqpvk'ej tqo kwo 'cpf 'uqo g'pqp/hgttqwu'cmq\ u'eqpvk'ej tqo kwo . 'Uqwj 'Eqcu'CS O F 'uchh' f'gek'gf 'v'cf f tgu'pqp/ ej tqo kwo 'o gcn'o gnkpi 'qr gtcvqpu'd\ 'co gpf kpi 'Twrg'3629'cpf 'tgxkupi ' y g'twrg'u'v'v'q'oeqpvtn'qh'Go kuukqpu'qh'ctugple.'Ecf o kwo . 'cpf 'P lengn'htqo 'P qp/Ej tqo kwo ' O gcn'O gnkpi 'Qr gtcvqpuo'ceetf kpi n\ 0'Ej tqo kwo 'o gnkpi 'qr gtcvqpu'y kn'dg'cf f tguugf 'd\ 'c' ugr ctevg' twrg' f gxgnr o gpv' ghhtv' wpf gt' Rtqr qugf ' Twrg' 362903' 6' Go kuukqpu' qh' Vqzle' Ck' Eqpco kpcpv'htqo 'Ej tqo kwo 'Cmq\ 'O gnkpi 'Qr gtcvqpu0'

Rtqr qugf 'Co gpf gf 'Twrg'3629'6'Eqpvtqn'qh'Go kuukqpu'qh'ctugple.'Ecf o kwo . 'cpf 'P lengn'htqo ' P qp/Ej tqo kwo 'O gcn'O gnkpi 'Qr gtcvqpu'\*RCT'3629+r' tqr qugu'v'gucdnkj 'cf f kkp'cn'go kuukp' eqpvtqntgs wktgo gpv'v'q'tgf weg'ctugple.'ecf o kwo . 'cpf 'plengn'go kuukqpu'htqo 'pqp/ ej tqo kwo 'o gcn'

\*\*\*\*\*

<sup>3</sup> Vj g'Ngy ku/Rtgung\ 'Ck'S wrk\ 'O cpci go gpv'cev'3; 98'Ecn0'Ucu0'ej 0546\*eqf khtg'cvJ gcnj 'cpf 'Uchv\ 'Eqf g'Ugevkp'62622/ 62762-40'

<sup>4</sup> J gcnj 'cpf 'Uchv\ 'Eqf g'Ugevkp'62682\*c-0'

<sup>5</sup> J gcnj 'cpf 'Uchv\ 'Eqf g'Ugevkp'62662\*c-0'

<sup>6</sup> Uqwj 'Eqcu'CS O F .4238'Ck'S wrk\ 'O cpci go gpv'Rcp0j wr <ly v y Qs o f 0 qx lf qeulf gh'wv/uqwtg'engcp/ct/r rcpulct/ s wrk\ /o cpci go gpv'r rcpu4238/ct/s wrk\ /o cpci go gpv'r rcpulhpcn/4238/cs o r l hpcn4238cs o r 0 f h'

o gmkpi "qr gtcvkpu0RCT"3629"cr r rkgu"vq"heekklgu"vj cv'ctg"o gmkpi "o gvcu"vj cv'eqpvkp"pq"o qtg"vj cp"207"r gtegpvej tqo kwo "eqpvgpv.kpenw kpi ."dw'pqv'iko kgf "vq"cnwo kpwo ."dtcuu."dtqpl g."ectdqp"uvgn"cpf "lpe0Rqvgpvknbo gcnbo gmkpi "qr gtcvkpu'kpenw g'uo gmkpi ."kppkpi ."i cnxcpk kpi ."cpf "qjy gt"o kuegmppgquw'r tqeguugu"y j gtg"o gvcu'ctg'r tqeguugf "kp"o qnmp'hqto ."ulpeg"vj gug"qr gtcvkpu"j cxg"vj g'r qvgpvkn'vq"go k'uwey "o gvcu'go kuukpu"kp"vj g'hqto "qh'vqzke"ck"eqpvco kpcpw"cpf "r ctvkwrcg"o cwtg0RCT"3629"cnq"guvdrkuj gu"pgy "tgs vktgo gpv"uq"eqpf vevkpi "j qvugnggr kpi ."dwkf kpi "gpmquwtgu."nggr kpi "tgeqtfu."eqpf vevkpi "uqwtg"vuu."o qpkqtkpi "go kuukp"eqpvqn"fgxlegu."s wcnh{kpi "hqt"cp"gzgo r vkp."cpf "f go qpvtcvkpi "ecr wtg"ghhekgpe{ "hqt"go kuukp"eqmgevkv"u{ vgo u0"

## CALIFORNIA ENVIRONMENTAL QUALITY ACT

Vj g"Ecrkhtpkl"Gpxktqpo gpvni'S wcnh{ "Cev"EGS C+ "Ecrkhtpkl"Rwdrle"Tuquwtegu"Eqf g"Ugevkqp"43222"et seq.."tgs vktgu"gpvni'ko r ceu'qh'r tqr qugf "r tqlgew"vq"dg"gxcmwv"cpf "hgckdng"o gjy qf u'q'tgf vevg."cxqkf"qt"grko kpcv'uki pkhecpv'cf xgtug"ko r ceu'qh'vj gug'r tqlgew"vq"dg"kf gpvkhgf "cpf "ko r ngo gpv'0Vj g'ngcf "ci gpe{ "ku"vj g'or wdrle"ci gpe{ "vj cv'j cu"vj g'r tkpckr cn'tgur qpukdrk{ "hqt"ectt{kpi "qww"qt"cr r tqxkpi "c"r tqlgew"vj cv'o c{ "j cxg"vq"uki pkhecpv'ghheg"vq"vj g"gpvktqpo gpvni"J]Rwdrle"Tuquwtegu"Eqf g"Ugevkqp"43289\_0Ulpag"RCT"3629"ku"vq"Uqwj "Eqcu'CS O F /r tqr qugf "co gpv'gf "twrg."vj g"Uqwj "Eqcu'CS O F "j cu'vj g'r tko ct{ "tgur qpukdrk{ "hqt"uwr gtxkupi "qt"cr r tqxkpi "vj g"gpvktg"r tqlgew"cu"vq"y j qng"cpf "ku"vj g"o quv'cr r tqr tkv'g"r wdrle"ci gpe{ "vq"cev'cu'ngcf "ci gpe{ 0JEGS C"I vkf grkpgu"Ugevkqp"37273\*d+0"

EGS C'tgs vktgu'vj cv'cnr qvgpvkn'cf xgtug"gpvni'ko r ceu'qh'r tqr qugf "r tqlgew"dg"gxcmwv"cpf "vj cv'o gjy qf u'q'tgf vevg"qt"cxqkf"kf gpvkhgf "uki pkhecpv'cf xgtug"gpvni'ko r ceu'qh'vj gug"r tqlgew"dg"ko r ngo gpv'ghhgckdng0Vj g'r wtr qug"qh'vj g'EGS C'r tqegu'ku'vq"lphqto "vj g'ngcf "ci gpe{ ."tgur qpukdrk"ci gpeku."f gekukp"o cngtu'cpf "vj g'i gpv'cnr wdrle"qh'r qvgpvkn'cf xgtug"gpvni'ko r ceu'vj cv'eqw'f "tguwn"htqo "ko r ngo gpv'kpi "RCT"3629"vj g'r tqr qugf "r tqlgew"cpf "vq"kf gpvkh{ "hgckdng"o kki cvkq"o gcuw'gu"qt"cnvtpcv'xgu."y j gp'cp"ko r cev'ku'uki pkhecpv0"

Rwdrle"Tuquwtegu"Eqf g"Ugevkqp"432: 207"cnqy u"r wdrle"ci gpeku"y kj "tgi wrcvt{ "r tqi tco u"vq"r tgr ctg"vq"r rcp"qt"qjy gt"y tkwgp"fqewo gpv"kp"rkgw"qh'cp"gpvktqpo gpvni'ko r cev'tgr qt'v'ppeg"vj g"Ugetgvt{ "qh"vj g"Tuquwtegu"Ci gpe{ "j cu"egt vkhgf "vj g"tgi wrcvt{ "r tqi tco 0Vj g"Uqwj "Eqcu'CS O F"tgi wrcvt{ "r tqi tco "y cu'egt vkhgf "d{ "vj g"Ugetgvt{ "qh"Tuquwtegu"Ci gpe{ "qp"O ctej "3."3; ; "r gt"EGS C"I vkf grkpgu"Ugevkqp"37473\*n: "cpf "j cu'dggp"cf qr v'cu"Uqwj "Eqcu'CS O F"Twrg"332"o"Twrg"Cf qr vkp"Rtqegf wtu'vq"Cuwtg"Rtqgevkv"cpf "Gpj cpego gpv'qh'vj g"Gpxktqpo gpv0"

RCT"3629"y knihw'vj gt'tgf vevg"ctugple."ecf o kwo ."cpf "plengn'go kuukpu'htqo "pqp/ej tqo kwo "o gvcu"o gmkpi "heekklgu0Dgecwug"RCT"3629"tgs vktgu'f kuvgkv'pct{ "cr r tqxkn'd{ "c"r wdrle"ci gpe{ ."k'ku"vq"or tqlgew'cu'f ghkgf "d{ "EGS C'0Vj g'r tqr qugf "r tqlgew'vj knihw'vj gt'tgf vevg"r wdrle"j gcnj "ko r ceu'd{ "tgf vevkpi "gzr quwtg"vq"ctugple."ecf o kwo ."cpf "plengn"cpf "y kn'r tqxkf g"cp"qxgtem'gpvktqpo gpvni'dgpgkv'vq"ck'ts wcnh{ 0J qy gxtg."Uqwj "Eqcu'CS O F"t'gtxlgy "qh'vj g'r tqr qugf "r tqlgew'cnq"vj qy u"cev'xkklgu"vj cv'heekkl{ "qr gtcvqtu"o c{ "vpf gtvcng"vq"eqo r n{ "y kj "RCT"3629"o c{ "cnq"etgcvg"ugeqpf ct{ "cf xgtug"gpvni'ko r ceu'vj cv'y qwr'f "pqv'tguwn"kp"uki pkhecpv'ko r ceu'ht"cp{ "gpvktqpo gpvni'qr le"ctgc0Vj wu."vj g'v'g'qh'EGS C'f qewo gpv'cr r tqr tkv'g"ht"vj g'r tqr qugf "r tqlgew'ku'cp"Gpxktqpo gpvni'Cuuguu gpv'GC+0Vj g"GC"ku"vq"uwdunkw"EGS C'f qewo gpv."r tgr ctgf "kp"rkgw"qh'c"Pi g'cv'xg"FGemtcvkv'y kj "pq'uki pkhecpv'ko r ceu'EGS C'I vkf grkpgu"Ugevkqp"37474+ "r wtuwcpv"vq"vj g"Uqwj "Eqcu'CS O F"t'egt vkhgf "Tgi wrcvt{ "Rtqi tco 0J]Rwdrle"Tuquwtegu"Eqf g"Ugevkqp"432: 207=EGS C'I vkf grkpgu"Ugevkqp"37473\*n= "cpf "Uqwj "Eqcu'CS O F"Twrg"332\_0Vj g"GC"ku'cnq"vq"v'wdrle"f kuemquwtg"fqewo gpv'kv'gpv'gf "vq"<"3+"r tqxkf g"vj g'ngcf "ci gpe{ ."tgur qpukdrk"ci gpeku."

\*\*\*\*\*

7" Vj g'EGS C'I vkf grkpgu'ctg'eqf khgf "cv'Vkn"36"Ecrkhtpkl"Eqf g'qh'Tgi wrcvkv"Ugevkqp"37222"et seq."

8" EGS C'I vkf grkpgu"Ugevkqp"3759: "

f gekukqp"o cngtu"cpf "vj g"i gpgten'r wdrke"y kj "kphqto cvkqp"qp"vj g"gpuktpo gpvni'ko r ceu"qh"vj g" r tqr qugf "r tqlgev"cpf .4+"dg"uugf "cu"c"vqqnd { "f gekukqp"o cngtu"v"hekkcvg" f gekukqp"o cnkpi "qp"vj g" r tqr qugf "r tqlgev"

Vj wu."vj g"Uqwj "Eqcu"CS O F."cu"ngcf "ci gpe { "hqt"vj g"r tqr qugf "r tqlgev"r tgr ctgf "c" F tch"GC" r wtuwcpv"v"ku"Egtvkhgf "Tgi wcvqt { "Rtqi tco 0"Vj g" F tch"GC" kpenmf gnf "c" r tqlgev" f guetkr vkqp"kp" Ej cr vgt "3"cpf "cp" Gpxktpo gpvni'Ej gemku'kp"Ej cr vgt "40"Vj g" Gpxktpo gpvni'Ej gemku'r tqxkf gu"cf" uwpf ctf "vqqn"v"kf gpvkh { "cpf "gxcnecvg" c" r tqlgev" cf xgtug" gpxktpo gpvni'ko r ceu"cpf "vj g" cpcn { uku" eqpenmf gf "vj cv" pq" uki phkcepv" cf xgtug" ko r ceu" y qwf "dg" gzt gev" v" v" qeewt "kh" RCT" 3629" ku" ko r ngo gpvgf 0'Dgecwug"RCT"3629"y knj cxg"pq"ucvgy kf g."tgi kpcn'qt"ctgcy kf g"uki phkcepeg."pq" EGS C" ueqr kpi "o ggkpi "ku" tgs vktgf "v" dg" j grf "hqt"vj g" r tqr qugf "r tqlgev" r wtuwcpv" v" Rwdrke" Tguqwtugu"Eqf g"Ugev"432: 50 \*c-4+0"Hwt vj gt." r wtuwcpv"v"EGS C"I vkf gkpgu"Ugev"37474." ukpeg"pq"uki phkcepv"cf xgtug"ko r ceu"y gtg"kf gpvkhgf."pq"cngtpcvkgu"qt"o kki cvkqp"o gcuwtgu"ctg" tgs vktgf 0"

Vj g" F tch"GC"y cu"ku"dgkpi-tgrgcugf "hqt" c"54/f c { "r wdrke"tgxkgy "cpf"eqo o gpv'r gkqf "htqo "Lwp"4: . " 423; "v" Lwn { "52."423; 0"Qpg"Em"eqo o gpv'ngwt"y cu"tgegkxgf "f wtkpi "vj g'r wdrke"eqo o gpv'r gkqf " qp"vj g" cpcn { uku"r tguvgyf "kp"vj g" F tch"GC"vj g"eqo o gpv'ngwt"cpf "vj g"y knj dg"tgr qpugf gf "v"epf" ku" kpenmf gf "kp"ep" Cer r gpf kz "F"qh"vj ku"v"vj g" Hkpcn"GC"0"

Uchh" j cu" tgxkgy gf "vj g" o qf hkecvkpu" v" RCT" 3629" cpf "j cu" wrf cvgf "vj g" EGS C" cpcn { uku" ceeqtf kpi n { 0' Uchh" j cu" eqpenmf gf "vj cv" ppg" qh" vj g" tgxkukpu" 3+ eqpukwag" uki phkcepv" pgv" kphqto cvkqp"4+eqpukwag" c" uwducpvkni'kpetgcug"kp"vj g"ugxgtkf "qh"cp" gpxktpo gpvni'ko r ceu"qt."5+ r tqxkf g"pgv" kphqto cvkqp"qh"uwducpvkni'ko r qtcepeg"tgr vkg"v"vj g" F tch"GC"0"cf f kkp."tgxkukpu" v"vj g" r tqr qugf "r tqlgev"kp"tgr qpug"v"xgtddn'qt"y tkwep"eqo o gpv'f wtkpi "vj g"twg" f gxmqr o gpv' r tgeguu"y qwf "pqv'etgcvg"pgv."cxqkf cdm"uki phkcepv"ghgeu"Cu" c"tguwn"vj g"ug"tgxkukpu" f q"pqv' tgs vktg"tgekwv"v"qh"vj g" F tch"GC" r wtuwcpv"v"EGS C"I vkf gkpgu"Ugev"372950"cpf "372: : 0/0 Vj gtghqtg."vj g" F tch"GC"j cu"dggp"tgxkugf "v" kpenmf g"vj g"chqtgo gpvkgpf "o qf hkecvkpu"uwej "vj cvku" pqy "vj g" Hkpcn"GC" hqt"RCT"36290"

Rtkqt"v"o cnkpi "c" f gekukqp"qp"vj g"cf qr vkqp"qh"RCT"3629."vj g"Uqwj "Eqcu"CS O F "I qxgtkpi "Dqctf" o wv'tgxkgy "cpf"egt vkh { "vj g" Hkpcn"GC"cu"r tqxkf kpi "cf gs wcv" kphqto cvkqp"qp"vj g" r qvkvkni'cf xgtug" gpxktpo gpvni'ko r ceu"vj cv"o c { "qeewt"cu" c"tguwn"qh"cf qr vkpi "RCT"36290"

## PROJECT LOCATION

RCT"3629"er r dgu"v"cp { "qy pgt"qt"qr gtcvqt"qh"bpq/ej tqo kwo "o gvn'o gmkpi "qr gtcvku" kpenmf kpi ." dw"pqv'ko kgf "v"uo gngtu."hqwptkgu."f kg/ecuvgu."eqcu"v" r tgeguu."cpf"qvj gt"o kugmcpqgu" r tgeguu"uwej "cu" fkr "uqrf gkpi ."dte| kpi "cpf"cnwo kpwo "r qy fgt"r tqf wvkv"0"Vj g"Uqwj "Eqcu" CS O F "j cu"lwkuf levkqp"qxgt"cp"ctgc"qh"cr r tqzko cvgn { "32.965"us wctg"o kgu."eqpuknpi "qh"vj g"hw/ eqwpv { "Uqwj "Eqcu" Ckt "Dculp" \*Dculp+\*Qtcp" g"Eqwpv { "cpf"vj g"bpq/f gugt v'r qt vkpu"qh"Nqu"Cpi grgu." Tkxgtulf g"cpf "Ucp" Dgtptcf kpq"eqwpvku+:"cpf"vj g"Tkxgtulf g"Eqwpv { "r qt vkpu"qh"vj g"Ucnqp"Ugc"Ckt" Dculp" \*UCD+"cpf "O qlcxg" F gugt v' Ckt "Dculp" \*O F CD+0"Vj g" Dculp."y j lej "ku" c" uwdctgc"qh"Uqwj " Eqcu"CS O F lwkuf levkqp."ku" dqwpf gf "d { "vj g" Rcelhe"Qegcp"v"vj g"y guv'cpf "vj g"Ucp" I cdtlgn "Ucp" Dgtptcf kpq."cpf"Ucp" Lcelpv"o qwpvku"v"vj g"pqt vj "cpf" gcu"0"K" kpenmf gu'cm'qh"Qtcp" g"Eqwpv { "cpf" vj g"bpq/f gugt v'r qt vkpu"qh"Nqu"Cpi grgu."Tkxgtulf g."cpf"Ucp" Dgtptcf kpq"eqwpvku"0"Vj g"Tkxgtulf g" Eqwpv { "r qt vkpu"qh"vj g"UCD"ku" dqwpf gf "d { "vj g"Ucp" Lcelpv"O qwpvku"kp"vj g"y guv'cpf "ur cpu" gcuy ctf "wr"v"vj g"Rcm { "Xgtf g"Xcng { 0"C" hgf gten'pqp/cwckpo gpv'ctgc" \*npqy p"cu"vj g"Eqcej gmc" Xcng { "Rrppkpi "Ctgc+"ku" c" uwdtgi kqp"qh"Tkxgtulf g"Eqwpv { "cpf"vj g"UCD"vj cv"ku" dqwpf gf "d { "vj g"

Ucp"lcekpvq"O qwpvckpu"vq"vj g"y guv'cpf "vj g"gcuwtp"dqwpf ct { "qh"vj g"Eqcej gmc"Xcmg{ "vq"vj g"gcuv"  
\*ugg"Hki wtg"3/3+0"

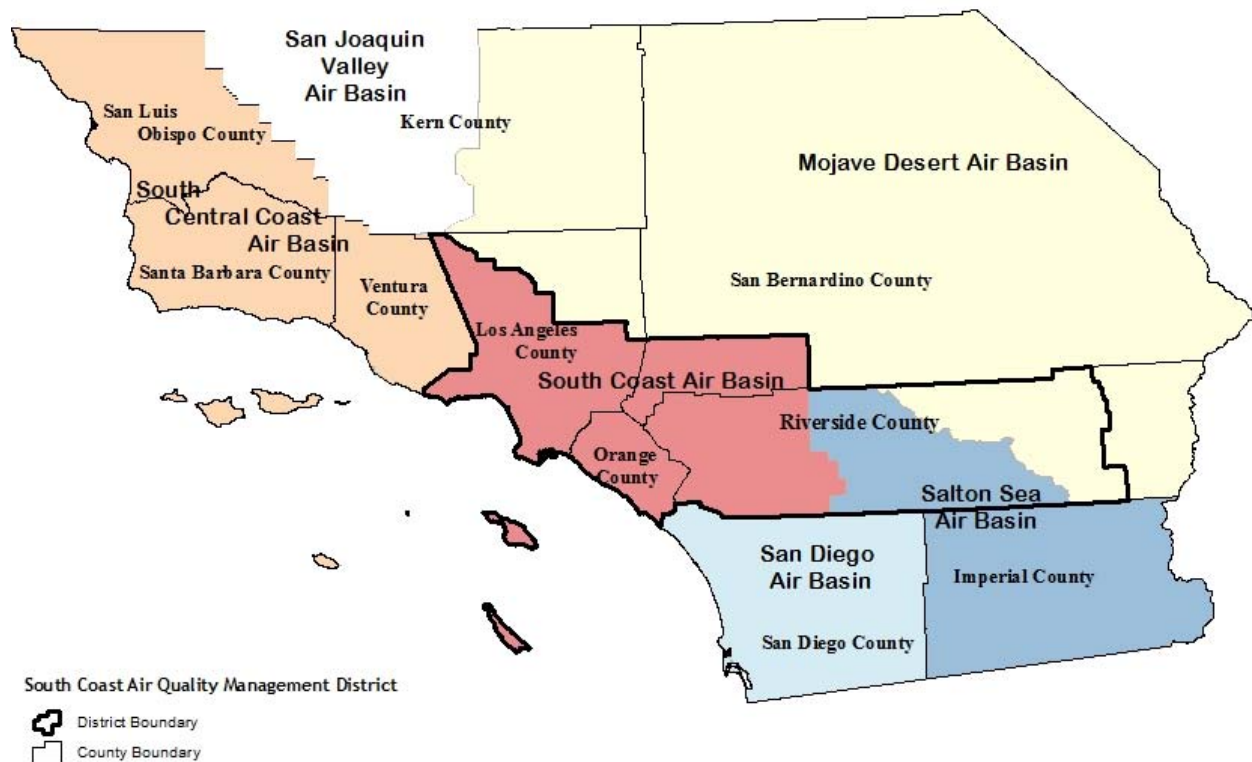


Figure 1-1  
Southern California Air Basins

## PROJECT BACKGROUND

Kp"3; : 5."vj g"Ecrkhtpkl"Ngi kurwtg"guvdrkuj gf "Cuugo dnl "Dknl3: 29."c"y q/uvg "r tqeguu"vq"kf gpvkh{ "vqzle"ck"eqpwo kpcpw"cpf "vq"r tqr qug"ckdqtpg"vqzle"eqpvtqn'o gcuwgu"CVEO u"htq"vj g"kf gpvkhgf "vqzle"ck"eqpwo kpcpw"htqo "ur gekle"uqwtegu0k"lcpwct { "3; ; 5."vj g"Ecrkhtpkl"Ck"tguqwtegu"Dqctf "ECTD+"cf qr vgf "vj g"pqp/hgttqwu"o gcn'o gnlpi "CVEO 9"cpf "guvdrkuj gf "lcpwct { "8."3; ; 6"cu"vj g"ghgevg"cf vgf "qh"vj g"CVEO 0"Vj g"Uqwj "Eqcu"CS OF "y cu"i kxgp"c"O c { " ; . "3; ; 6"f gcf rkg"vq"ko r ngo gpv'cpf "gphqteg"vj g"CVEO "qt"vq"r tqr qug"tgi wvkvpu"ko r ngo gpv'pi "vj g"CVEO 0Qp"lwn{ " : . "3; ; 6."vj g"Uqwj "Eqcu"CS OF "cf qr vgf "Twrg"3629"o"Eqpvtqn'qh"Go kuukpu"qh"ctugple."Ecfo kwo "cpf "Plengrhtqo "Pqp/Hgttqwu"O gcn'O gnlpi "Qr gtcvkvpu."vq"tgf weg"go kuukpu"qh"ctugple."ecfo kwo . "cpf "plengrhtqo "pqp/hgttqwu"o gcn'o gnlpi "qr gtcvkvpu"d { "tgs vktlpi "ck"r qmwkqp"eqpvtqn'gs vkr o gpv"vq"dg"kpucmgf "qp"chgevgf "gs vkr o gpv."cpf "tgs vktlpi "r ctco gtle"o qpkqtlpi "cpf "j quwnggr lpi "vq"dg"eqpf wevgf 0CVj g"vko g"qh'ku'twrg"fgxgnro o gpv'cpf "uwdugs wgpv'cf qr vkvq."Twrg"3629"hwewugf "qp"pqp/hgttqwu"o gcn'o gnlpi "qr gtcvkvpu"dgecwug"ctugple"cpf "ecfo kwo ."dqj "vqzle"o gvcu."y gtg"cuuqekcygf "y kj "vj ku'uqwtg"ecvgi qt { 0"

Twrg"eqpegr w"htqo "vj tgg"rgcf "go kuukqp"tgf wekvq"twrg"fgxgnro o gpv"ghhtw"y gtg"tgrkgf "wr qp"vq"etch/RCT"36290Hqt"gzco r rg."f wklpi "vj g"twrg"fgxgnro o gpv'r tqeguu"htq"Uqwj "Eqcu"CS OF "Twrg"36420"o"Go kuukqp"Ucpf ctf u"htq"Ngcf "cpf "Qj gt"Vqzle"ck"Eqpwo kpcpw"htqo "Ncti g"Ngcf/Cekf "

9" Ecrkhtpkl"Ck"tguqwtegu"Dqctf."Pqp/Hgttqwu"O gcn'O gnlpi "CVEO."F gego dgt"52."3; ; : 0"  
[j wu-dkt0ec0 qx hqz keukveo b gxcveo q vo ."](#)

Dcwtg { "Tge{erki "Hcekrkku . "hwi kxg" go kuukpu"y gtg" f gvgto kpgf "vq" dg" c" eqpvtkdwki "hcevt" vq" co dlcpv" rgef " eqpegrvckvpu0" Hwtj gt. " hgcukdkkx{ " uwwf lgu" eqpenw gf " yj cv" go kuukpu" eqpvtqn' gs wkr o gpvcej kxkpi "i tgcvg" yj cp"; ; "t gtegrv" go kuukpu" tgf wevkpu" y qwr "pqvldg" gvr gev "vq" cej kxg" cf f kkpncn' tgf wevkpu" kp" co dlcpv" rgef " rxxgn0 Hqt " yj ku' tgcup. "Twg" 364208" y cu' f guki pgf "vq" tgs wktg" hcekrkx{ " qy pgtulqr gtcvtu" vq" eqpf wev" eqo r tgi gpukxg" j qwugnggr kpi " cpf " vq" go r m{ " dwkf kpi " gpenquwtgu" vq" tgf weg" hwi kxg" rgef " go kuukpu" hqtgo " yj gug' hcekrkku0 Qvj gt "Uqwj "Eqcu" CS O F "twrgu" yj cv" tgi wrcvg" rgef " go kuukpu. "Twg" 3642" o" Go kuukpu" Ucpf ctf " hqt " Ngcf . " cpf " Twg" 364204" o" Go kuukpu" Ucpf ctf u" hqt " Ngcf " hqtgo " O gcn" O gmkpi " Hcekrkku. " cnq " eqpvcip " uko krt " j qwugnggr kpi " cpf " dwkf kpi " gpenquwtg" tgs wktgo gpw0

Gctn { "eqpukf gtcvku" cu" vq" yj gj gt "vq" co gpf "Twg" 3629" qtki kpcn { "gzco kpgf " yj gj gt " j gzcxcrgpv" ej tqo kwo " go kuukpu" yj qwr " dg' kpenw gf " kp" yj g' twrgu" cr r rlecdrkx{ " dgecwug" co dlcpv' ckt " o qpkqt kpi " yj cv' y cu' eqpf wevg " d { " Uqwj " Eqcu" CS O F " uchi" kp" 4235" kp' t gur qpug" vq" dwtpki " o gxmke" qf qt " cpf " o gcn' r ctvewrcvg" eqo r mcpw " kf gpvkhgf " yj q" o gcn' qh' eqpegt < " j gzcxcrgpv" ej tqo kwo " cpf " plengn'0 kp" 4238. " Uqwj " Eqcu" CS O F " uchi" f gr m{ " gf " o qpkqtu" yj kej " kf gpvkhgf " grxcvgf " rxxgn" qh" j gzcxcrgpv" ej tqo kwo 0Cnu. " yj g' 4238" CS O R' kpenw gu' eqpvtqn' b gcuwtg" VZ O /28- < " Eqpvtqn' qh" Vqzle" Go kuukpu" hqtgo " O gcn' O gmkpi " Hcekrkku. " yj kej " uggm" vq" hwtj gt " tgf weg" ctugple. " ecf o kwo . " plengn" qj gt " vqzle" o gcn. " cpf " r ctvewrcvgu" hqtgo " hqwpf t { " qr gtcvku" 0

Kp" ceeqtf cpeg" yj kj " eqpvtqn' b gcuwtg" VZ O /28. " Uqwj " Eqcu" CS O F " uchi" y cu' cungf " kpkckvki " twrg" f gxnqr o gpv' hqt " co gpf kpi " Twg" 3629" vq" gvr mgtg" tgf weki " go kuukpu" hqtgo " hgttqu" o gcn' o gmkpi " hcekrkku" cpf " vq" hwtj gt " tgf weg" ctugple. " ecf o kwo . " cpf " plengn" hqtgo " pqp/ hgttqu" o gcn' o gmkpi " qr gtcvku" 0 Uqwj " Eqcu" CS O F " uchi" f kexxgtgf " yj cv" c" o clqtkx{ " qh" hcekrkku" r tqeguu" xgt { " rcti g" swcpvku" qh" o gcn' eqpvcip kpi " ctugple. " ecf o kwo . " cpf kq " plengn" dw' ctg" ewttgpv { " gzgo r v' hqtgo " o quv' qh" yj g' tgs wktgo gpw" kp" Twg" 3629" wpf gt " yj g' o gcn' qt " cmq { " r wtkx{ o" gzgo r vku" 0 Kp" cf f kkp. " Twg" 3629" cnq " gzgo r w' dergcp" cnw kpw " ueter o' y kj qw' hko kpi " yj g' eqpvgv' qh' ctugple. " ecf o kwo . " qt " plengn' eqpvcip gf " kp" yj g' ueter 0 Dgecwug" yj gug' qxgtn { " dtqcf " gzgo r vku" j cxg" j cf " yj g' kpcf xgtvgp" gh' gev' qh' cmqy kpi " hcekrkku" vq" j cxg" go kuukpu" yj cv' t qug' c' t kum' vq" yj g' uwtqwpf kpi " eqo o wpx { . " Uqwj " Eqcu" CS O F " uchi" ku' r tqr qulpi " co gpf o gpw" vq" Twg" 3629" yj cv' y qwr " lo r qug' utlevgt " etkgtkc" hqt " c' hcekrkx{ " vq" s wcrkx{ " hqt " cp" gzgo r vku" 0

Cnu. " ukpeg" yj g' v { r g' qh' vqzle" ckt " eqpwo kpcpv" go kwgf " hqtgo " pqp/ hgttqu" cpf " hgttqu" o gcn' o gmkpi " qr gtcvku" ctg" f khtgtpv" cpf " cr r tqcej gu" vq" eqpvtqn' kpi " yj gug" xct { kpi " vqzle" ckt " eqpwo kpcpv" go kuukpu" yj qwr " cnq " f khtg" f gr gpf kpi " qp" yj g' r qvge { " qh" yj g' vqzle" ckt " eqpwo kpcpv. " Uqwj " Eqcu" CS O F " uchi" f gekf gf " vq" r kxqv' hqtgo " eqo dlkpi " tgs wktgo gpw" hqt " hgttqu" cpf " pqp/ hgttqu" o gcn' o gmkpi " qr gtcvku" kp' vq" qp' g' twrg" \* g0 0 Twg" 3629- 0 Kp" r ctvewrc. " dgecwug" egtvckp " hgttqu" cmq { u' f q" pqv' eqpvcip" ej tqo kwo " cpf " uqo g' pqp/ hgttqu" cmq { u' eqpvcip" ej tqo kwo . " Uqwj " Eqcu" CS O F " uchi" f gekf gf " vq" cf f tguu" pqp/ ej tqo kwo " o gcn' o gmkpi " qr gtcvku" d { " co gpf kpi " Twg" 3629" cpf " tgxkukpi " yj g' twrgu" vkwg" vq" o Eqpvtqn' qh" Go kuukpu" qh" Ctugple. " Ecf o kwo . " cpf " Plengn" hqtgo " P qp/ Ej tqo kwo " O gcn' O gmkpi " Qr gtcvku" o ceeqtf kpi n { 0 Ej tqo kwo " o gmkpi " qr gtcvku" y km' dg" cf f tguugf " d { " c" ugr ctcvg" twrg" f gxnqr o gpv" gh' hqtv" wpf gt " Rtqr qugf " Twg" 362908" o" Go kuukpu" qh" Vqzle" Ckt " Eqpwo kpcpv" hqtgo " Ej tqo kwo " Cmq { " O gmkpi " Qr gtcvku" 0

\*\*\*\*\*

" Uqwj " Eqcu" CS O F . " Hpcn' Uchi" Tgr qv' hqt " Rtqr qugf " Co gpf gf " Twg" 364208" o" Go kuukpu" Ucpf ctf u' hqt " Ngcf " cpf " Qvj gt " Vqzle" Ckt " Eqpwo kpcpv" hqtgo " Ncti g' Ngcf / Celf " Dcwtg { " Tge { erki " Hcekrkku. " Hgdtvct { " 42370" [wr < lly y y Qs o f 0 qx lf qeul f ghrw / uqwegl Ci gpf cull qxgtplpi / Dqctf H237 H237 / o ct8 / 24: 0 f h](#)

" Uqwj " Eqcu" CS O F . " Retco qwpv' o" Qpi qkpi " Ckt " O qpkqt kpi " Cevkxkku. " Ceeguuf " Lxpg" 423; 0" [j wr < lly y y Qs o f 0 qx lf qo g lpgy u / gxpuleqo o wpx / lpxguki cvkpuick / o qpkqt kpi / cevxxkku](#)



## TECHNOLOGY OVERVIEW

Vj g'hqmy kpi 'f kweuukp'r tqxkf gu'c'i gpgtcl'qxtxky "qh'y g'o quv'hkngl "go kuukp"eqpvtqnl'qr vqpu" vj cv'y knldg"go r m{ gf "vq"eqo r n{ 'y kj "RCT"36290"

### Building Enclosure

C"dwkf kpi "gpenquwtg."cu'f ghkpgf "kp"RCT"3629."ku"c"utwewtg."gpenqugf "y kj "c"hmqt."y cmu."cpf "c" tqqh"vq"r tggp'v'g'zr quwtg"vq"vj g"grgo gpv."\*g0 0"r tgekr kcvkp"qt"y kpf "+"y kj "rko kgf "qr gpkpi u"vq" cmqy "ceeguu"cpf "gi tguu"ht"r gqr ng."xgj lengu."gs wkr o gpv."qt"r ctu0'Etquu/f tchn'eqpf kkpku"qh"c" dwkf kpi "gpenquwtg"uj cmldg"o kpo k gf "d{"pqv'cmqy kpi "qr gpkpi u"qp"qr r qukxg"gpv u"qh'y g'dwkf kpi " vq"dg"qr gp"uko wncpgqwu0'0'0 kpo k kpi "etquu/f tchn'eqpf kkpku"y knl'j gr "r tggp'v"c"mqu"kp"vj g" ghlekpe{"qh"cp"go kuukp"eqmgevqp"u{ ugo 0'Qr gpkpi u"ctg"xgpv."y kpf qy u."r cuuci gu."f qqty c{u." dc{"f qqtu0'0'0 g'j qf u"vq"emug"qr gpkpi u."kpenf g'wug"qh'cwqo cve"f qqtu."kpuvcmvqp"qh'qxgtncr r kpi " r mune"utkr "ewtckpu."xgukdwgu."cpf "ckmcmf u{ ugo u0'Dcttktu."uwej "cu'rcti g'r kgegu"qh'gs wkr o gpv" o c{"cnuq"dg"wugf "vq"dmcmfqr gpkpi u0'Wpf gt"RCT"3629."c'o kpo wo "qh'y q'y cmu"qp"cf lcegpv'ukf gu" qh'c"o gcn'o gmkpi "qr gtcvqp"y qwf "ucvuh{ "vj g'dwkf kpi "gpenquwtg"tgs vktgo gpw0Cngtpevkgu{."cp" gpenquwtg"eqwf "eqpukv"qh"c"uo cmgt"utwewtg"y kj kp"c"dwkf kpi "vj cv'r tqxkf gu"eqpvkpo gpv"qh" go kuukpu"htqo "o gcn'o gmkpi "qr gtcvqp0"

### Baghouse

C"dcj j qwug"ku"cp"ck"htcvkp"eqpvtqnl'f gxleg"f guki pgf "vq"tgo qxg'r ctvewv"o cwtg"RO +Htqo "cp" gzj cwv'i cu"utgco "wukpi "hngt"dcj u."ectvki g/v{ r g'hngtu."qt"gpv'g'v{ r g'hngtu0'C"dcj j qwug" eqpukv"qh'y g'hqmy kpi "eqo r qpgpv<"hngt"o gf kwo "cpf "j qvukpi "ht"vj g'hngt."hngt"engcpkpi " f gxleg."eqmgevqp"j qr r gt."uj gm"cpf "hnp0'0'0 quv'dcj j qwug"f guki pu"kp"vj g'Wpkgf "Ucvgu"eqpukv"qh" mpi "e{ rpf tlecn'wdgu"dcj u+b cf g'qh'cdtke'y j lej "cew'cu'vj g'hngt"o gf kwo 0C"dcj j qwug"hwpevqp" rknng"cxewwo "engcpgt"y kj "c"hcp"gkj gt"dmqy kpi "ck"htqo "vj g'i tkpf kpi "uqwtg"vj tqvi j "r qukxg" r tguwtg+vj g'hngt"qt"ftcy kpi "ck"kpq"pgi cvxg'r tguwtg+vj g'hngt0'Y j gp"RO "rcf gp"ck"hmj u"vq" vj g'kprg'v'qh"dcj j qwug."vj g'RO "ku"ecr wtgf "kp"vj g'hngt"dcj u"kpukf g"vj g"dcj j qwug"cpf "hngt"gf "ck" hmj u"htqo "vj g'qwr'v'qh"vj g"dcj j qwug0'F wuv'r{ gtu"v'wuv'ecngu+f gr quk'qp"vj g'uwthceg"qh'y g"dcj u" y j lej "pggf "vq"dg"engcpgf "r gtlkf kcm{ "vq"gpwtg'r tqr gt"dcj j qwug"hwpevqp0"

Ghgevkg'r gthqto cpeg"qh"dcj j qwug"ku"f gvgto kpgf "d{"r tguwtg"ftqr "y j lej "ku"c"o gcuwtgo gpv'qh" vj g'f hngtpep"kp"ck"r tguwtg"dgvy ggp"vj g'engcp"cpf "f kv{ "ukf gu'qh'y g'hngt0'Ucvle"r tguwtg"i cwi gu" ecp"dg"kpucmngf "cv'vj g'kprg'v'cpf "qwr'v'qh"vj g'hcdtke"hngt"vq"f gvgto kpg"vj g'r tguwtg"ftqr "cetquu"vj g" hngt0'Kp"cf f kkp."dcj j qwugu"ecp"dg"gs wkr r gf "y kj "c"dcj "ngcm"fgvgevqp"u{ ugo "DNF U+"vq" eqpvkpwqwu0"o qpkqt"vj g'r gthqto cpeg"qh"vj g"dcj j qwug"hwpevqp"u{ "f ggevki "gctn{"dcj "ngcm"qt" o chhwpevqp0C'DNF U"eqpukv"qh'c"lucp'guu"uvgnr tqdg"vj cvku'gpgti k gf "y kj "c"ftkgevewtgpv"FE+" grgevlecn'xqnci g0'Y j gp"vj g'r ctveng"hmj "pgct"vj g'r tqdg"r negf "kp"vj g'RO "rcf gp"gzj cwv'i cu" utgco ."vj g'uo cmlewtgvp'ej cpi gu"ecmngf "vtdqngvle"ewtgpv+lp"ku"grvle"hgfr "ctg"o gcuwtgf 0"

Rtguwtg"ftqr "o qpkqt"kp "ku"c"vughw"lpf kcvqt"qh"dcj j qwug"r gthqto cpeg"ukpeg"r tguwtg"ftqr " o gcuwtgo gpv"ecp"j gr "f gvgto kpg"kh'y g'hngt"o gf k"ku"dgkpi "r tqr gtn{ "engcpgf "cpf "y j g'j gt"vj g" dcj j qwug"ku"qr gtcvki "kp"ceeqtf cpeg"y kj "o cpwcewtg"ur gekhcvkp0'Hqt"gzco r ng."f wtkpi " qr gtcvqp"qh"vj g"dcj j qwug."cp"kpctgcugf "r tguwtg"ftqr "uki pcni"vj cv'vj g'hngt"o gf k"ku"dgeqo kpi " emj i gf "cpf "pggf u"vq"dg"engcpgf 0'Uko kctn{."c"mgy "r tguwtg"ftqr "o c{"kpf kcvg"vj cv'vj gtg"ctg"j qrgu" kp"vj g'hngt"o gf k"qt"c"o gej cplecn'hkwtg"qh'dcj j qwug"eqo r qpgpv0'Kp"gkj gt"ecug."vj gtg'y knldg"c" tgf wcvkp"kp"vj g"dcj j qwug"cdkkr{ "vq"ghlekpv{ "ecr wtg"cpf "eqpvtqnl'RO "go kuukpu0'Hqt"vj gug" tgcuppu."vj g'hngt"o gf k"pggf "vq"dg"engcpgf "r gtlkf kcm{ "vq"r tggp'v'g'zegu'xg'kpetgcugu"kp"r tguwtg" ftqr ."ngcnkpi "dcj ."cpf "ko r tqr gt"dcj j qwug"hwpevqp0"

Dci j qwugu"ctg"v\ r lecm\ "engcpgf "kp"ugevqpu."y kj "lgv"qh"eqwvgt/hm y kpi "ck"wgf "vq"dm y "f wuv" dwkf /w "qhh"qh"y g'hkngt"cpf "kpq"e"j q r r gt0Hqt"o cp\ "dci j qwug"kpucm vqpu."y g" dci j qwug"hm y u" c"tqwkp g"e\ eng"y kj "y g"r tguwtg"ftqr "kpetgculpi "cu"y g" dci "dgeqo gu"eqcvf"y kj "f wuv."cpf "ftqr r kpi "dcem\q"e"dcugrkg"xcmg"chgt k'ku"engcpgf 0Eqo o qp"v\ r gu'qh'dci j qwugu'kpenf g'tgxgtug/ ckt."r wmg/lgv."cpf "ectvtf i g"v\ r g" dci j qwug0C"tgxgtug"ckt/v\ r g" dci j qwug"wgug"e"m y "r tguwtg"hm y " qh'ckt"vq"dtgen\y g" f wuv'ecmg"cpf "engcp"y g" dci u"qh'o cvgtkn'dwrf /w 0Engcpkpi "ckt"ku'uw r rkgf "d\ "c" ugr ctevg"hcp"y j lej "ku"pqto cm\ "uo cmgt"y cp"y g"o ckp"utgeo "hcp."ulpeg"qpn\ "qpg"eqo r ctvo gpv'ku" engcpgf "cv"e"ko g0C"r wmg"lgv/v\ r g" dci j qwug"wgug"e"j k j "r tguwtg"lgv'qh"eqo r tguugf "ckt"vq"dcem\ hm y " y g" dci u0 Engcpkpi "ku"r gthqto gf "y j kg" y g" dci j qwug"tgo cku"kp"qr gtcvqp0 Ectvtf i g" \*e\ rkp f tlecn"v\ r g"hmgtu"j cxg"r rgevgf."pqp/y qxgp"hmgt"o gf k"uw r qtvgf"qp"e"r gthqtevgf "o gcn' ectvtf i g0F wv"vq"ku'r rgevgf "f guki p."vqcn'hmgtkpi "ctgc"ku'f tgcvgf"y cp"kp"e"eqpxgpv'kpcn'dci "qh"y g" uco g'f kco gvgf."tguwnkpi "kp'tgf wegf "ckt/vq/en y "tcvq."r tguwtg"ftqr."cpf "qxtcm'eqngevtf"uk' g0Vqq" j gcxkn\ "mqf gf "ectvtf i gu'ecp"gvj gt"dg"engcpgf "d\ "c"r wmg"lgv'eqo r tguugf "ckt"qt'tgr megf "y kj "pgy " ectvtf i gu0 Ectvtf i g"v\ r g"hmgtu"j cxg"j k j "r ctveng"eqngevqp"ghkekp e\ "qh"cv"e"o kpo wo ."; 0 " r gtegpv"cpf "ctg"wuvcml "wugf "hqt"kp f wutkn' tgegu"j cpf kpi "gzj cwv\ cu'hm y "tcvgu'guu"y cp"72.222" ewdke'hggv'r gt"o kpwg"eh o +0

Vj g'P cvkpcnHkt g'Rtqvgevkp"Cuuqekcvkp"j cu'lr gekn'f guki pcvqpu'hqt'f gh'ci tcvkpu"\*g0 0'g'zr mqkqp" r tngxgpvkp+"htqo "o gcn' f wuv0 Vj gtghqg."qr gtcvqtu"qh"o gcn' i tkpf kpi "cevkxkgu" y cv' tgs vkt g" dci j qwug"go kuukap"eqpvtqn'vej pqm y kgu'y kn'cnu"pggf "vq"ugrgevt'grkcdrg."geqpqo kecn"cpf "ghgevkxg" o gcpu"qh"gzr mqkqp"eqpvtqn'uej "cu"dci j qwug"gzr mqkqp"uw r tguukp."eqpvkpo gpv."cpf "xgpvki 0 Cf f kkpkn'lpqto cvkp"r gtcvklpi "vq"y g"v\ r gu'qh'r tqvgevkxg"o gcuwtgu'ku'cxckcdrg"kp"Ej cr vgt": " qh"y g"Industrial Ventilation, A Manual for Recommended Practice for Design"4: y "Gf kkpq." r wdrkj gf "d\ "y g'Co gtlecp"Eqphgtgpeg"qh'I qxgtpo gpvcn'kp f wutkn'I { i kpkwu."I 42350

## PROJECT DESCRIPTION

Vj g'r wtr qug"qh"RCT"3629"ku"vq"tgf weg"r qkp"v"cpf "hwi kxg"go kuukpu"qh"ctugple."ecf o kwo ."cpf " plengn"y gtgd\ "o kpo k kpi "r wdrke"j gcn' "ko r ceu'd\ "tgf vekpi "gzr quwtg"vq"vzle"ckt"eqpvco kpcpu0 Vq"cee qo r rkuj "y ku"i qcn"RCT"3629"r tqr qugu"go kuukap"eqpvtqn'tgs vkt go gpv"vq"tgf weg"ctugple." ecf o kwo ."cpf "plengn"go kuukpu"htqo "pqp/ej tqo kwo "o gcn'o gnkpi "qr gtcvqp0 RCT"3629"cr r rkgu" vq"heekkkgu"y cv'o gn'o gcn' y cv'eqpvclp"pq"o qtg"y cp"207"r gtegpv'ej tqo kwo "eqpvgpv"kpemf kpi ." dw"pqv"rko ksf "vq"cnwo kpo ."dtcuu."dtqpl g."ectdqp"uvgn"cpf "l kpe0 Rqvgpvcn'o gcn'o gnkpi " qr gtcvqp0 kpenf g'uo gnkpi ."kppkpi ."i cnkcpk kpi ."cpf "qy gt"o kuegmcpqgwu'r tqeguugu'y j gtg"o gcn' ctg"r tqeguugf "kp"o qngp"htqo ."ulpeg"y g"ug"qr gtcvqp"j cxg"y g"r qvgpvcn"vq"go k'uwe j "o gcn' go kuukpu"kp"y g'htqo "qh"vzle"ckt"eqpvco kpcpu"cpf "RO 0 RCT"3629"cnu"tgxkgu"go kuukap"lncpf ctf u." guvcdrukj gu"o qpkqt kpi "r tqxkukpu"ht"ck"r qmwkqp"eqpvtqn'gs vkr o gpv."cf f u"dwkf kpi "gperquwtg" r tqxkukpu"vq"rko k' hwi kxg"go kuukpu."cpf "w f cvgu"j qwugnggr kpi ."uqwtg"vukpi ."o qpkqt kpi ." tgeqt f nggr kpi ."cpf "tgr qt vpi "tgs vkt go gpv0 Uwdugs wgpv"vq"y g"ekewrcvqp"qh"y g"F tch"GC"htq" r wdrke"eqo o gpv"cpf "tgxkgy ."ugxgtcn'ej cpi gu'y gtg"o cf g"vq"RCT"36290Ur gekhecm\."y g'hcekkv/ y kf g"go kuukap"ko ku'htq"cm'htpcegu'y gtg'tgxkgf."cpf "ej cpi gf "htqo "c"o qpvj n\ "rko k'vq"cp"j qwt n\ " rko k0Cf f kkpccm\."j qwugnggr kpi "tgs vkt go gpv"y gtg'tgxkgf "vq"cm y "c"j qwugnggr kpi "eqo r rkcpeg" r rcp"htq"cr r tqxgf "cngtpcvkg"j qwugnggr kpi "o gcuwtgu0 Hwtj gt."uqwtg"vukpi "tgs vkt go gpv"y gtg" tgxkgf "vq"ugv'o kpo wo "uco r rg"xqmw gu"y j lej "y kn'cm y "htq"o cuu"go kuukap"rko k'eqo r rkcpeg" y j gp"uco r rg"eqpegpvcvqp"ctg" f gvto kpgf "vq"dg"dm y "y g"o gvj qf "f gvevqp"rko k'f wkpi " rcdqtcvqt\ "cpcn'uku0 kpo"cf f kkpq."pwo gtqwu"gf kqt kn' tgxkukpu."emtkhecvkpu."cpf "w f cvgu"vq" gpj cpeg'twng"ghqtegcdrk\ "y gtg"o cf g0

Uqwj "Eqcu"CS O F "uxh"kf gpwkhgf "heekkkgu"uwlge v"vq"RCT"3629"d\ "tgxkgy kpi "Uqwj "Eqcu" CS O F "r gto ku'htq"o gcn'o gnkpi "htpcegu."tgxkgy kpi "Uqwj "Eqcu"CS O F "kpur gevqp"tgr qt w'htq"

o gcnio gnkpi "hcekkkgu."eqpf wevki "kpvtgpgvugctej gu'ht'hcekkkgu'y cv'q'htg'o gcnio gnkpi "ugt'xlegu." cpf "eqpf wevki "ukg'xkuku"kpvtgpgvugctej gu'y gtg'w'k'kf gf "kp'qtf gt "q'qecw'g'hcekkkgu'y kj "hmtpegu" yj cv'ctg"ewtgpv" "gzgo r v'htgo "Uqwj "Eqcu"CS O F "r gto k'kpi "tgs vktgo g'pu' "hcekkkgu" yj cv' eqpf wev'j gcv'tgcvki "qt'q'y gt'o gcn'y qtnkpi "qr gtcv'kpu'dw'f q'pqv'o gn'o gcn'y gtg'gzem'f gf "htgo "RCT"36290Cf f k'kqpcmf . "hcekkkgu'y cv'o gn'o gcn'eqpvcklpi "ej tqo kwo "y gtg'gzem'f gf "htgo "RCT" 3629"dgecwug" yj g{ "y km'dg'uwdlgev'q"Rtqr qugf "T wrg"3629B"y j lej "ku'wpf gti qkpi "c"ugr ctcw'g'twrg" f g'xgnr o gpv'r tqeguO'Nkgy kug. "hcekkkgu" yj cv'o gn'o gcn'eqpvcklpi "rgcf "y gtg'gzem'f gf "htgo " RCT"3629"dgecwug" yj g{ 'ctg'uwdlgev'q"Uqwj "Eqcu"CS O F a'q'y gt'twrgu'ht'rgcf "g'g'0'Twrg"3642. "Twrg"3642B." cpf lqt "Twrg"3642B'f'Uchh'xkukgf "52" "hcekkkgu" yj kj "c"xctkgv' "qh'o gcn'o gnkpi " qr gtcv'kpu' F w'kpi " yj gug" uksg" xkuku." uclh' i cy gtgf " k'p'qto cv'kq" cpf " f cv" t'g'w'gf " vq" hcekkk' " qr gtcv'kpu. " yj g'o gcnio gnkpi "hmtpegu" cpf "cp{ "cuuqekcv'f "go k'k'kpu'eqpv'q'n'gs w'k' o gpv." cpf " yj g" v' r gu" cpf " co qwpv' qh' cmq' u' o g'ngf O'Uwdugs w'gpv' vq" yj g' ekewr'v'kq' qh' yj g' F tch' GC" hqt" r wdrk' " eqo o gpv' cpf " t'g'x'g'y . " uz " cf f k'k'qpcn' hcekkkgu' yj gtg' f g'p'v'k'gf " cu' d'g'kpi " uwdlgev' vq" yj g' t'gs vktgo g'pu' " qh' RCT"36290C' f f k'k'q. " cu' c' t' guw' qh' h'w' yj gt' t' g' h' p'go gpv' qh' hcekkk' " f cv. " w' f cvgu' vq" yj g' c' k' s' w' c' k' " cpf " I J I . " gpgti { . " cpf " t'cpur q'v'v'kq' c'p'c'f uku' yj gtg' o cf g' O' Cu' f luewuwg' " r'v'g't. " yj gug' ej cpi gu' j' c'xg' " d'g'p' c'p'c'f | gf " cpf " f g'v'to k'p'f " vq' p'q'v' t' guw' k'p' uki p'k' h' c'p'v' g' h' g'w'o'

Dcuqf "qp"Uqwj 'Eqcuv'CS OF "lwh'h'pcn{ uku."cr r tqzko cvgn{ '76'82'hcekklgu'y kj kp"y j g"Uqwj 'Eqcuv'  
CS OF "lwluf levkpp"y gtg"kf gpvkhgf "cu"o ggvpki "y j g"cr r ncedclrk{\ "tgs wktgo gpw"qh"RCT"3629"  
dgecwug"y j g{"o gm"cnwo kpwo ."dtcuu."dtqpl g."eqr r gt."cpf lqt| | kpe0Vj gug"hcekklgu"cnuq"qr gtcvg"  
ugeqpf ct{\ "uo gnngu."hqwpf tkgu."cpf "f kg/ecuvgtu."cpf "eqpf wev"i cnxcpkj kpi "cpf "vppkpi "eqcvkpi "  
qr gtcvkpu."cpf "qvj gt"o kuegmcpqgwu"rtqeguugu"uwej "cu"f kr "uqrf gt kpi ."dte| kpi "cpf "cnwo kpwo "  
rqy f gt"eqcvkpi "rtqf wevkpp0K"RCT"3629"ku'cf qr vgf .cm76'82'hcekklgu'y knldgtgs wktgf "v"eqo r nf "  
y kj "y j g"tgs wktgo gpw"vq"eqpf wev"j qwuugngr kpi ."eqputwev'dwkf kpi "gpemquwtgu."cpf "o ckpckp"  
tgeatfu0K"cf f klap.kp"qtf gt"v"eqo r nf "y kj "RCT"3629"<

- 3;-38'hceknklu'y qwf "pggf "v"eqo r ngv"o kqqt'dwrf kpi "w r i tcf gu'uwej "cu'kpuwcmkpi 'tqm/wr " f qqtu'qt'r rnuke'utkr u="
- Hqwt'hceknklu'y qwf "pggf "v"eqputwev'vy q'y cmu'gcej "v"ucvuh{ "vj g"dwrk kpi "gperquwtg" tgs wktgo gpw="
- 3545'hceknklu'y qwf "pggf "v"eqo r ngv"4357"uqwtg'vuw'gxgt{ '82'o qpj u="
- Hqwt'hceknklu'y qwf "pggf "v"kpucm32"go kuukp"eqptqrf gxlegu="
- Gli j v35'hceknklu'y qwf "pggf "v"kpucm:-35"cpgo qo gvetu.3;-4: "dci "ngcm'f ggevkp" ufuvgu u'qevny kj 4: "r tguwtg'i cwi gu.cpf 3;-4: "f cv'ces wukukp"u'f ugo u="cpf ""
- Gli j v35'hceknklu'y qwf "dg'tgs wktgf "v"r gthqto 3;-4: "uo qmg'vuw'qpeg'gxgt{ 'ukz'o qpj uO'

Y j kq'lo r ngo gpvcvqp"qh'RCT"3629'y qwf'dg'gxr gevfg"q'tgf weg'r wdne'j gcnj 'lo r cewl'itqo 'r qkp'v  
cpf "hwi kkg'go kuukpu."Uqwj "Eqcu'CS O F"j cu"pqv's wcpv'kkgf "y g'go kuukp'tgf wev'kpu'cv'gcej "  
r qkp'v'qwtg'r gt'ch'gevgf 'hcekk'0"

Vj g'hqmqy kpi 'ku'c'f gvc'kgf 'uwo o ct { 'qh'yj g'ng { 'grgo gpw'eqpvckpgf 'kp'RCT'36290C'f tch'qh'RCT'3629'ecp'dg'hqwpf 'kp'Crr gpf kz 'C0'

**Purpose – subdivision (a)**

Uwdf kxkukqp "c+r tqr qugu"q"ej cpi g"j g"r wtr qug"qh"j g"twrg"htqo "tgf welpi "go kxkukpu"qh"ctugple."  
ecf o kwo ."cpf "plengnhtqo "pqp/ej tqo kwo "o gwn'o gnkpi "qr gtcvkpu"kpugcf "qh'pqp/hettqwu'o gwn'  
o gnkpi "qr gtcvkpu0"



**Applicability – subdivision (b)**

Uwdf kxkukqp "d+r tqr qugu"v"ej cpi g"vj g"cr r rkecdkx\ "qh"vj g"twg"v"cmr gtuppu'y j q"qy p"qt"qr gtcvg" pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvkpu. lpuvgf "qh"pqp/hgttqwu'o gmkpi "qr gtcvkpuo"

**Definitions – subdivision (c)**

Vj g"hmmy kpi "pgy "f ghpkkpu"ctg"r tqr qugf "v"dg"cf f gf <"Cr r tqxgf "Ergeplki "O gyj qf u="Dci "Ngcn" F gvevkp"U{ ugo ="Dwrf kpi "Gperquwtg="Ecr wtg"Xgnek\ ="Ewuxo gt"Twatpu="Go kukap"Eqpvtqn" F gxleg="Gperquwtg"Qr gkpi ="Hqwpf t { ="Hwpevkpcmf "Uko krt "Hwtpceg="Nqy "Rtguwtg"Urtc { ="O gvcn" Ewukpi ="O gvcn"l tlpf kpi ="O gvcn"t go qxcn"Hwrf ="cpf "P qp/Ej tqo kwo "O gvcn"

Vj g"hmmy kpi "f ghpkkpu"ctg"r tqr qugf "v"dg"tgxkugf "lp"qt f gt "v"emtkh\ "vj g"o gcpkpi "qh"vgo u"wgf " vj tqwi j qw"vj g"twg<"Cnw kpo "cpf "Cnw kpo /Dcugf "Cm\ ="Eqr r gt"qt"Eqr r gt"Dcugf "Cm\ ="F wuv" Hqto kpi "O cvgtkn="Go kukap"Eqngvevkp"U{ ugo ="Hcekr\ ="Hwi kxg"O gvcn"F wuv"Go kukap="O gvcn" O gmkpi "Hwtpceg="O qngp"O gvcn="epf "Tgtw"Uetcr ="T kpi gmo cpp"Ej ctv="cpf "Uetcr 0"

Vj g"hmmy kpi "f ghpkkpu"ctg"r tqr qugf "v"dg"f grvgf <"F krtlev="Go kukap"Rqkp="Hkg"Rctvewrvg" O cvgt"qt"RO 32="Hwi kxg"Go kukap"Eqpvtqn"l qqf "Qr gtcvki "Rtcelegu="J ct f "Ngcf ="P qp/Hgttqwu" O gvcn="Rctvewrvg"O cvgt"qt"RO ="Rctvewrvg"O cvgt"Eqpvtqn"U{ ugo ="Rgtuqp="Rtqegu"Go kukap" Eqpvtqn="Rwtg"Ngcf ="cpf "V{ r g"O gvcn"

**Emissions Control Requirements– subdivision (d)**

Vj g"hmmy kpi "ej cpi gu"v"uwdf kxkukqp "f "+"ctg"r tqr qugf <

Vj g" kptqf wevt { " ucvgo gpv" v" uwdf kxkukqp " f "+" ku" r tqr qugf " hqt " f grvgkqp" dgecwug" k' ku" qduqrgv0

Qtki kpcnr ctei ter j u" f +3+ " f +6+ " cpf " f +7+ " ctg" r tqr qugf " hqt " f grvgkqp0"

*Interim Emission Limits:* Wrf cvgu"v"r ctei ter j u" f +3+ " cpf " f +4+ " ctg" r tqr qugf " vj cvy qwf " emtkh\ " vj cv" pqp/ej tqo kwo " o gmkpi " qr gtcvkpu" u cni" xgpv" cni" o ekvckp ewttgpv" go kukap" r qkpwi" v" cp" go kukap" eqpvtqn" f gxleg" lp" cf f kkkp" v" cp" go kukap" eqmgevkp" u{ ugo " epf " i eu" vgo r gtevtg" tgs vkt go gpw" wpkn" vj g" pgy " twreco r rkepeg" ku" f go qputcvf " y kj " vj g" tgs vkt go gpw" lp" r ctei ter j " f +5+ " qt " f +6+ " veng" ghge0

*Mass Emission Limits Emission Reduction Requirements:* O qf Hcevkpu"v" P gy "r ctei ter j " f +5+ " ku" etg" r tqr qugf " vj cvy qwf " tgs vkt g. " ghgevkxg" lcpwct { " 3. " 4243. " go kukap u" qh" ctugple. " ecf o kwo . " cpf " plengn" hto " gcej " pqp/ej tqo kwo " o gvcn' o gmkpi " hwt pceg" r qkpwi" uqwtg" v" dg" xgpv" f " v" ep" go kukap" eqpvtqn" f gxleg" v" dg" tgf wegf " vj g" vqen'o cuu" qh" ctugple. " ecf o kwo . " epf " plengn" d { " c'o kpo wo " qh' ; " r gtegpv" gcej. " qf " engtpevkgn " wpf gcu" f go qputcvf " d { " c' uqwtg" vguv" r vtuvcpv" v" uwdf kxkukqp " i +0"

*Mass Emission Limits:* P gy "r ctei ter j " f +6+ " r tqr qugu" cp" cngtpevkxg" v" eqo r n kpi " y kj " vj g" tgs vkt go gpw" lp" r ctei ter j " f +5+ " d { " cmqy kpi " pqp/ej tqo kwo " o gvcn' o gmkpi " qr gtcvkpu" v" o gg" vj g" hmmy kpi " eppwen" ci i tgi cvg" o cuu" go kukap" qwngv" rko ku. " cu" f go qputcvf " vj tqwi j " c" uqwtg" vguv" r vtuvcpv" v" uwdf kxkukqp " i +<" ctugple " o " 20; 75 " ngu" vj cp " 2022288" r qwpf u" r gt " j qwt. " ecf o kwo " o " 2006 " ngu" vj cp " 20222736" r qwpf u" r gt " j qwt. " cpf " plengn" o " 340 " ngu" vj cp " 2022: 6: " r qwpf u" r gt " j qwt0

*Temperature of Gas Stream:* " Rtgxkqu" tgs vkt go gpw" qtki kpcmf " lp" r ctei ter j " f +5+ " ctg" r tqr qugf " v" dg" tgpwo dgtgf " cu" r ctei ter j " f +7+ " O qf Hcevkpu" v" r ctei ter j " f +7+ " ctg"

r tqr qugf "v'evy qwf"v'ertkhf "v' cv'v' g'vgo r gtcwtg"qh'v' g'f cu'utgco "gpvgtkpi "cpf "go kuukqp" eqpvtqnf g'xleg"tgs wktgo gpv'qh'ecppqv'gzeggf "582" f gi tggul H'j tgpj gk'err'ngu"v'v' g'f i eu' utgco "gpvgtkpi "cpf "f'g'xleg"wgf "v'eqpvtqnf go kuukqp"i gpvgtv' d'f "c'pqp/ ej tqo kwo "o gven' o gnmkpi "qr gtcvqp"wp'ku'wprguu'k'ecp"dg" f go qpwtcvgf "cpf "cr r tqxgf" d'f "v' g'Gzgewkxg" Qh'legt "kp"y tkkpi "v' cv'gkj gt" c'eqpvtqnf gh'hekepef "qh"; ; "r gtegpv'qt"o qtg" hqt"ctugple"cpf " ecf o kwo ."cu" f go qpwtcvgf "v' tqwi j "c"uqwtg" wuv' r wtuwcpv' v' uwdf k'kuukqp" i "+" y km' dg" cej k'xgf "cv'c" j k i j gt "vgo r gtcwtg."qt "k'ecp"dg" f go qpwtcvgf "v' cv'v' g'pqp/ ej tqo kwo "o gven' o gnmkpi "qr gtcvqp"ku'kp"eqo r r'kepeg'y kj "r ctei tcr j "f "+"5+"qt "f "+"6+"ku'cej k'xgf 0'

*Fugitive Emission Control:* "Rt'g'x'k'w'u"tgs wktgo gpv' qtki k'pcmf "kp" r ctei tcr j "g "+"3+" ctg" r tqr qugf "v"dg"tgpwo dgtgf "cu"r ctei tcr j "f "+"8+"0'kp"cf f k'kuukqp."v' g'r j tcug"öppq/hgttqwuö"ku" r tqr qugf "v"dg"ej cpi gf "v"öppq/ ej tqo kwo "ö"v' g'r j tcug"ögo kuukqp"eqpvtqnf u'f u'vgo "cpf " qr gtcvqpö"ku'r tqr qugf "v"dg"ej cpi gf "v"ögo kuukqp"eqmgevqp"u'f u'vgo "cpf "go kuukqp"eqpvtqnf f'g'xleg"qr gtcvqp.ö"cpf "v' g'ur gnmkpi "qh'Tkpi gmo cpp'Ej ctv'ku'r tqr qugf "v"dg"eqtgevgf 0'

*Visible Emissions* <"P gy "r ctei tcr j "f "+"9+"r tqr qugu"v"tgs wktg"cp"qy pgt"qt"qr gtcvqt"qh'c" pqp/ ej tqo kwo "o gven' o gnmkpi "qr gtcvqp"v'g'puwtg"x'k'kdng"go kuukqp"u'f u'vgo "c'pqp/ ej tqo kwo " o gven' o gnmkpi "h'w'p'ceg'f'q'p'qv'gu'ecr g'htqo "v' g'eqmgevqp"i'q'ecvqp"qh'cp"go kuukqp"eqmgevqp" u'f u'vgo 0'

*Permit Applications* <"P gy "r ctei tcr j "f "+"9+"r tqr qugu"v"tgs wktg."pq"t'v'gt"v' cp"l'w'nf "3."4242." v' g'qy pgt"qt"qr gtcvqt"qh'cm'pqp/ ej tqo kwo "o gven' o gnmkpi "h'w'p'cegu'gz'kuukpi "r tkqt"v'v' g'f'cv'g" qh't'w'g"cf qr v'qp"v"u'wdo k'c"eqo r r'ngv"U'qwj "Eqcu'CS O F"r gto k'r cr r r'ecvqp"i'qt" gcej " go kuukqp"eqpvtqnf g'xleg"v'v' g'Gzgewkxg"Qh'legt."wprguu'v' gtg"ku'cp"cr r tqxgf "uqwtg"v'wuv' f go qpwtcvpi "eqo r r'kepeg'y kj "r ctei tcr j "u'f "+"5+"v' tqwi j "f "+"7+"0'

*Equipment Not Requiring a Written Permit:* P gy "r ctei tcr j "f "+"9+"r tqr qugu."dgi k'ppkpi " l'w'nf "3."4242."v' cv'cpf "go kuukqp"eqpvtqnf g'xleg"u'wdlgev"v'v' ku't'w'g"u'j cm'p'q"i'p'pi gt"dg"gz go r'v' h'qo "v' g'tgs wktgo gpv'qh'c"y tkwgp"r gto k'r r wtuwcpv'v"U'qwj "Eqcu'CS O F"t'w'g"43;"ö" Gs wkr o gpv'P qv'T gswktkpi "c"Y tkwgp"R'gto k'R'w'w'w'cpv'v"t'gi w'w'v'qp"K'K'

### **Housekeeping Requirements – subdivision (e)**

Qtki k'pcn' uwdf k'kuukqp" \*g+" /" öHwi k'k'xg" Go kuukqp" Eqpvtqro" ku" r tqr qugf " v" dg" tgpco gf " cu" öJ q'w'ug'ng'gr kpi "T gswktgo gpv'0'P gy "uwdf k'kuukqp" \*g+"r tqr qugu"v'f'g'ng'v'gz'kuukpi "r ctei tcr j "g "+"6+" cpf "v"gu'cd'ri'uj "j q'w'ug'ng'gr kpi "tgs wktgo gpv'v'v' eqpvtqnf hwi k'k'xg"o gven'eqpvc'k'p'kpi "f wuv'go kuukqp"u' y j lej "y km'i q"kp'v' gh'gev"pq"n'v'gt"v' ep"52" f c'f u'eh'gt"v' g'f'ev'g'qh't'w'g"cf qr v'qp."wprguu'qv' gty k'ug" ur g'el'k'gf <"

*Housekeeping Requirements Effective upon Rule Adoption* <"Ej cpi gu"v'v' r ctei tcr j "g "+"3+" r tqr qug"v"l'peqtr qtcvg"gz'kuukpi "r ctei tcr j "u'g "+"4+"cpf "g "+"5+"cpf "ertkhf "tgs wktgo gpv' hqt" cp"gp'eq'ugf "u'q'tci g'ctgc"qh'f wuv'hqto kpi "o gven'eqpvc'k'p'kpi "o cvgtk'cn"u'w'ej "cu"f' t'quu."cu'j ."qt" h'ggf "o cvgtk'cn"v'v' cnu'q"l'p'nmf g't'cu'j "qt" f gdt'ku'0'kp"cf f k'kuukqp"v'v' cp"gp'eq'ugf "u'q'tci g'ctgc."v'v' ku" r ctei tcr j "r tqr qugu"v'v' cm'y "f wuv'hqto kpi "o gven'eqpvc'k'p'kpi "o cvgtk'cn"v'v' dg"u'q'tgf "kp"c" d'w'kf kpi "gp'eq'uw'tg"qt"y kj kp"eq'x'gtgf "eqpvc'k'p'gtu"r tqx'kf gf "v' cv'v' g'eq'x'gtgf "eqpvc'k'p'gtu"ctg" h'gg"qh'iks w'kf "cpf "f wuv'g'cm'i"cpf "ctg"q'p'nf "qr gp'gf "y j gp"o cvgtk'cn"ku'ce'v'x'gn' "dgkpi "f gr qu'k'xgf " qt"t'go q'x'gf 0'Vj ku'r ctei tcr j "cnu'q"r tqr qugu"v'v' y q'pgy "j q'w'ug'ng'gr kpi "o gcu'w'tgu"v'v' cv'y km'i q" kp'v'g'h'gev"v'w'qp"t'w'g"cf qr v'qp <"3+"eq'p'f w'v'v'eng'cp'kpi . "qp"c"y gg'mf "d'cu'ku'w'kpi "cp"cr r tqx'gf " eng'cp'kpi "o g'y qf ."cm'i" h'q'qt"ctgc"u'y kj kp"42" h'gg'v'qh'y j gtg" h'w'p'ceg"cpf "ecv'kpi "qr gtcvqp"u' qeew'cpf "y cu'v'g'i gp'gtcv'gf "h'qo "j q'w'ug'ng'gr kpi "ce'v'x'k'kgu"ku'u'q'tgf . f kur qugf "qh"t'ge'q'x'gtgf ."

qt'tge{engf="cpf'4+engcp'cm'ctgcu'y j gtg'htpceg'cpf'ecukpi 'qr gtcwqpu'qeewt'y kj qww'wukpi " f t { "uy ggr kpi . wprguu'f t { "uy ggr kpi "ku'cmqy gf "kp'cp'cr r tqxgf "J qwuenggr kpi "Ego r rkepeg" Rrp."qt'epf="eqo r tguugf'ck'engcpkpi 0'

~~Housekeeping Requirements Effective 30 days after Rule Adoption~~ July 1, 2020

- Eqp̄f wēv's wct̄gtn̄ kp̄ur gēvk̄pu'qh'cpf "ēgcp'wuk̄pi "cp'cr r t̄q̄xgf "ēgcp̄k̄pi "o ḡy qf "k̄h' p̄gegūct { . "q̄h'ēq̄ngēvk̄p'x̄gp̄u. "qr ḡk̄pi u. "cpf "f wēvk̄pi "q̄h'ḡcej "p̄q̄p/ej t̄qo k̄wo "o ḡv̄n' o ḡn̄k̄pi "qr ḡtcvk̄p" go k̄uk̄q̄p" eq̄p̄t̄qn' f ḡx̄lēḡu" v̄q" r t̄ḡx̄gp̄v' f w̄v' d̄w̄k̄f k̄pi "w" ep̄f "ēq̄i i k̄pi"=
- T̄go q̄xg'y ḡc̄y gt'ec̄r u'y c̄v't̄ḡut̄lēv'yj g"hm̄y "q̄h'ḡzj c̄w̄v'ck"qp"cp{ "ūcēn'v̄j c̄v'k̄u'c" uq̄w̄teg'q̄h'go k̄uk̄q̄pu'ht̄qo "p̄q̄p/ej t̄qo k̄wo "o ḡv̄n'o ḡn̄k̄pi "qr ḡtcvk̄q̄pu"=
- V̄tēpur q̄t'v'f w̄v'ht̄qo k̄pi "ūm̄i "cpf "y c̄ūg"o c̄v̄t̄kēn̄. "y j k̄ej "ct̄g'c̄v'c"v̄go r ḡtcw̄tg'nḡu" yj cp" q̄t" gs w̄c̄n' v̄q" 722" f ḡi t̄ḡgu" H̄c̄j t̄ḡp̄j ḡk' cpf " y j k̄ej " ct̄g" i ḡp̄gt̄c̄v̄g" f w̄t̄k̄pi " j q̄w̄uḡnḡr k̄pi " cpf " d̄w̄k̄f k̄pi " ḡp̄en̄q̄ūtg" eq̄p̄ut̄wēvk̄p" q̄t" ep̄f"= o c̄k̄v̄ḡp̄c̄p̄eg. "y k̄j k̄p" ēq̄ūgf 'ēq̄p̄x̄g { q̄t'ū' ūgo ūq̄t' k̄p'ēq̄x̄gt̄gf 'ēq̄p̄v̄k̄p̄gt̄u. "v̄p̄rḡu'v̄j ḡūg'o c̄v̄t̄kēn̄'ct̄g'h̄q̄ec̄v̄g" ep̄f wēv̄g' y k̄j k̄p'c' d̄w̄k̄f k̄pi "ḡp̄en̄q̄ūtg" q̄t'cp'ḡp̄en̄q̄ūgf "ūq̄t̄ci g'ct̄gc"=
- H̄q̄t'o ḡv̄n'ēw̄k̄pi "q̄t'o ḡv̄n'i t̄k̄p̄f k̄pi "qr ḡtcvk̄q̄pu'p̄q̄v'eq̄p̄f wēv̄g' "w̄p̄f gt'c"eq̄p̄k̄p̄w̄q̄w̄u' h̄m̄q̄f "q̄h'o ḡv̄n̄t̄go q̄x̄c̄n̄h̄w̄k̄f. "ēEq̄p̄f wēv̄y ḡgm̄f "ēgcp̄k̄pi 'wuk̄pi "cp'cr r t̄q̄xgf "ēgcp̄k̄pi " o ḡy qf "q̄h'3+h̄m̄q̄t̄u'y k̄j k̄p'42'h̄ḡḡv̄q̄h̄c'p̄ḡet' y q̄t̄n̄l̄ūc̄vk̄p'q̄t' y q̄t̄n̄l̄ūc̄vk̄q̄u'f ḡf k̄ec̄v̄g' v̄q"o ḡv̄n'i t̄k̄p̄f k̄pi "q̄t"o ḡv̄n'ēw̄k̄pi "qr ḡtcvk̄q̄pu. "4+h̄m̄q̄t̄u'y k̄j k̄p'42'h̄ḡḡv'q̄h'cp' { " ḡp̄t̄c̄p̄eḡlēz̄k'r q̄k̄p̄v'q̄h'cp'ḡp̄en̄q̄ūgf "ūq̄t̄ci g'ct̄gc"q̄t'qr ḡk̄pi u'q̄h'd̄w̄k̄f k̄pi "ḡp̄en̄q̄ūtg" v̄j c̄v'j q̄w̄ūg'v̄j g'i t̄k̄p̄f k̄pi "q̄t'ēw̄k̄pi "qr ḡtcvk̄q̄pu. "cpf "5+h̄m̄q̄t̄u'y k̄j k̄p'32'h̄ḡḡv'q̄h'v̄j g" v̄t̄c̄p̄ūh̄t'r q̄k̄p̄u'q̄h'cp'go k̄uk̄q̄p"eq̄p̄t̄qn'f ḡx̄lēḡu" w̄k̄k̄ ḡf "h̄q̄t'o ḡv̄n'ēw̄k̄pi "q̄t'o ḡv̄n' i t̄k̄p̄f k̄pi "qr ḡtcvk̄q̄pu'p̄q̄v'eq̄p̄f wēv̄g' "w̄p̄f gt'c"eq̄p̄k̄p̄w̄q̄w̄u'h̄m̄q̄f "q̄h'o ḡv̄n̄t̄go q̄x̄c̄n̄h̄w̄k̄f"=
- Ūq̄tg" f w̄v'ht̄qo k̄pi " o ḡv̄n'eq̄p̄v̄k̄p̄k̄pi " o c̄v̄t̄kēn̄. k̄p̄en̄f k̄pi " ūm̄i " q̄t" o c̄v̄t̄kēn̄" i ḡp̄gt̄c̄v̄g' ht̄qo "j q̄w̄uḡnḡr k̄pi . "eq̄p̄ut̄wēvk̄p. "q̄t'o c̄k̄v̄ḡp̄c̄p̄eg. k̄p'cp'ḡp̄en̄q̄ūgf "ūq̄t̄ci g" ct̄gc. "k̄p"c"eq̄x̄gt̄gf "eq̄p̄v̄k̄p̄gt̄. "q̄t" k̄p"c" d̄w̄k̄f k̄pi " ḡp̄en̄q̄ūtg" q̄t"eq̄x̄gt̄gf "eq̄p̄v̄k̄p̄gt̄u. " r t̄q̄x̄f ḡf "v̄j c̄v'v̄j g"eq̄p̄v̄k̄p̄gt̄u'ct̄g'h̄t̄ḡq̄h'k̄s w̄k' cpf "f w̄v'nḡc̄m̄i'cpf "t̄go c̄k̄p'eq̄x̄gt̄gf " ḡzēgr v̄y j ḡp"o c̄v̄t̄kēn̄'k̄u'd̄ḡk̄pi "cēv̄x̄ḡn̄f "f ḡr q̄uk̄ḡf "k̄p̄v̄q̄t" cēv̄x̄ḡn̄f "t̄go q̄x̄ḡf "ht̄qo "c" t̄gēgr c̄ēgr"=cpf "
- Enḡcp'v̄j g'ct̄gc" wuk̄pi d̄t"cp'cr r t̄q̄xgf "ēgcp̄k̄pi "o ḡy qf "y k̄j k̄p"q̄p̄g"j q̄w'q̄h'y j ḡt̄g" eq̄p̄ut̄wēvk̄p. "q̄t"o c̄k̄v̄ḡp̄c̄p̄eg"q̄t"q̄v̄j gt'ḡx̄gp̄v'q̄ēēw̄t̄gf. "k̄p̄en̄f k̄pi "d̄w'p̄q̄v'k̄o k̄ḡf "v̄q" cēēk̄f ḡp̄u. "r t̄q̄ēḡu'w̄r ūḡw'q̄t"gs w̄k̄ o ḡp̄v'o c̄h̄m̄p̄ēvk̄p. "v̄j c̄v't̄ḡūw̄u'k̄p'v̄j g'f ḡr q̄uk̄q̄p" q̄h'k̄k̄x̄g'o ḡv̄n̄f w̄v'go k̄uk̄q̄pu'0'

Housekeeping Compliance Plan: "P gy "r ctcj tcr j "g+\*5+"r tqr qugu"q"tgs wkt g"cp"qy pgt"qt" qrgtcvqt"y j q"y kuj gu"q"wg"cp"cr r tqxgf "cngtpevxg"j qwugnggr kpi "o gcuwtg"kp"kgw"qh"cp" cr r tqxgf "engcpkpi "o gy qf "q"uwxo k"c"J qwugnggr kpi "Eqo r rkcpeg"Rrcp"q"y g"Gzgewkxg" Qhhegt"ht"cr r tqxcn"uwdlgev"q"r ncp"hggu"ur gekhgf"kp"Twg"528"o"Rrcp"Hggu0Rtqr qugf "pgy " rctci tcr j "g+\*5+"lpenf gu"v j g"hmvy kpi "tgs wkt go gpw"

- Vj g"J qwugnggr kpi "Eqo r nkpeg"Rncp"uj cm'l'kperw g"lphqto cvkqp"q"uwducpwcv g"vj cv"  
yj g"cnctpcvkxg"j qwugnggr kpi "o gcuwg"o ggwu"vj g"uco g"ckt"s wckw"qdlgcvkxg"cpf"  
ghhcvkxpggu'qh"vj g"j qwugnggr kpi "tgs wktgo gpv'k'ku'tgr mekpi 0"

- Vj g"Gzgewkxg"Qhleg"o c{"tgs wguv"cf f kkpqcn"lphqto cvkqp"ltqo "vj g"qy pgt"qt"qr gtcvqtO'
- Vj g"qy pgt"qt"qr gtcvqt"y knidg'tgs wktgf "q"uwo k'cm'tgs wguvf "lphqto cvkqp"y kj kp"36"fc{u"qh"vj g'tgs wguv"ht"cf f kkpqcn"lphqto cvkqpO'
- Vj g"Gzgewkxg"Qhleg"y knitgxky "vj g'tgs wguv"ht"e"J qwugngr kpi "Eqo r nkpeg"Rcp"cpf" y kni" cr r txxg" vj g" J qwugngr kpi " Eqo r nkpeg" Rcp" kh" vj g" cmgtpcvkg" j qwugngr kpi "o gcuwtg"ecp"ergcp"qt"tgo qxxg"ceewo wrcvqf" f wuv"htqto kpi "o gcn/eqpvcvkpi "o cvgtkcn"ht"vj g'tgcu"ur gekkf "kp"uwr ctc i ter j "g+3+\*E+cvc"ltgs wpe{"vj cv'r txxkf gu"vj g'uco g"qt"dgwgt"ghhekepe{"vj cp"ko r ngo gpvkpi "cp"cr r txxgf "ergcpkpi" o gvj qf "cpf"vj g"cmgtpcvkg"j qwugngr kpi "o gcuwtg"o kpk k gu"i gpgtcvkqp"qh" f wuv"htqto kpi "o gcn/eqpvcvkpi "o cvgtkcn"Vj g"Gzgewkxg"Qhleg"y knipqvkpi "vj g"qy pgt"qt"qr gtcvqt"kp"y tkkpi "qh"cr r txxcn"qt" f kucr r txxcnO'
- K"vj g"J qwugngr kpi "Eqo r nkpeg"Rcp"ku" f kucr r txxgf ."cp"qy pgt"qt"qr gtcvqt"uj cm'tguwo k' vj g" J qwugngr kpi " Eqo r nkpeg" Rcp" y kj kp" 52" ecrpgf ct" f c{u" chgt"pqvkecvkp"qh" f kucr r txxcn"qh"vj g"J qwugngr kpi "Eqo r nkpeg"RcpO"Vj g'tguwo kwgf" J qwugngr kpi "Eqo r nkpeg"Rcp"y knibggf "q"kpemf g"cp{"lphqto cvkqp"q"cf f tguu"vj g" f ghekepeku"kf gpvkkef "kp"vj g' f kucr r txxcn"hwgtOCp"qy pgt"qt"qr gtcvqt"o c{"cr r gcnlc" f kucr r txxgf "J qwugngr kpi "Eqo r nkpeg"Rcp"q"vj g"J gctkpi "Dqctf"t wuwcpr"q"Twrg"438"o"Cr r gcu"cpf "Twrg"443"o"RcpuO'
- Cr r txxgf "cmgtpcvkg"j qwugngr kpi "o gcuwtg"o c{"pqv"dg" wugf "tgtqcevkxgnf O'

### **Building Enclosure Requirements – subdivision (f)**

Otki kpcn' uwdf kxkukp" \*h" / " oEqo r nkpeg" Uej gf wgo" ku" r tqr qugf " q" dg" tgpco gf " cu" oDwrf kpi " Gperquwtg" Tgs wktgo gpwö" Pgy " uwdf kxkukp" \*h" y j lej " r tqr qugu" q" gucdrukj " vj g" hmqy kpi " tgs wktgo gpw"ht"dwrf kpi "gperquwtg<"

"

Otki kpcn' r ctc i ter j u" h+3+ "cpf" h+4+ "ctg" r tqr qugf "ht" f gngvkpO'

"

*Cross Draft Minimization:* Pgy "r ctc i ter j u" h+3+ "cpf" h+4+ "r tqr qugu" q" tgs wktg" vj g" qy pgt" qt" qr gtcvqt" qh" c" pqp/ ej tqo kwo "o gcn" o gmkpi "qr gtcvkqp" q" eqpf wv" cm" o gcn" o gmkpi . "o gcn" i tkpf kpi "cpf" o gcn" ewwki "qr gtcvkqp" y kj kp" c" dwrf kpi "gperquwtg" vj cv" o kpk k gu" etqu" f tch" eqpf kkpku" pq" r vgt" vj cp" d{ "Lwn" 3. "42420" Vj g" gperquwtg" o c{" eqpukv" qh" e" ut wewt g" y kj kp" e" dwrf kpi "vj cv" gperquwtg" o gcn" o gmkpi . "ecupki . "qt" o gcn" ewwki "cpf" i tkpf kpi "pqv" eqpf wv" wpf gt" e" eqpukv" wu" hmqf "qh" o gcn" tgo qxen" hmkf "qr gtcvkqp" Vj g" kp vgpv" qh" vj g" tgs wktgo gpw" ku" q" r txxkf g" eqpvcvkpo gpv. "ko r gf g" etqu" f tchu. "cpf" o kpk k g" hvi kxg" go kuukpu" i gpgtevgf "kp" etgeu" y j gtg" o gcn" o gmkpi "qr gtcvkqp" qeewt "K" vj g" dwrf kpi "eqpvcvkpu" gperquwtg" qr gpki u" q" vj g" gz vgtkqt" vj cv" ctg" qp" qr r qukg" gpf u" qh" vj g" dwrf kpi "gperquwtg" y j gtg" ckt" ecp" r cuu" vj tqwi j " cp{ " ur ceg" y j gtg" pqp/ ej tqo kwo "o gcn" o gmkpi . "o gcn" i tkpf kpi . "qt" o gcn" ewwki "qr gtcvkqp" qeewt O' Gzegr v' f wtkpi "vj g" r cuuci g" qh" xgj kengu. "gs wkr o gpv" qt" r gqr rg. "cv" hcu" qpg" gpf "ht" gcej "r ckt" qh" vj g" qr r qukpi "gpf u" qh" c" dwrf kpi "gperquwtg" o wuv" dg" emugf "wukpi "qpg" qt" o qtg" qh" vj g" hmqy kpi <"

- Cwqo cvecmf "emukpi " f qqtu="
- Qxgtncr r kpi "hmq"t"q" egkpi "r ncuk" utkr "ewtvcpu="
- Xgukdwrg="

- Cktmēnlu{ ugo =
- Wūg"qh" c" dttkt. "uwej "cu" c" rcti g" r kgeg" qh" gs wkr o gpv" vj cv" tguwkew" ckt" hqo "o qxlpi " vj tqwi j " vj g" dwkf lpi " gpenquwtg="qt"
- Cr r t q x g f " c n g t p c v k x g " o g v j q f " v q " o k p k o k g " v j g " t g r c u g " q h " o g v c n ' e q p v c k p k p i " h w i k k x g " g o k u k q p u " h t q o " v j g " d w k f l p i " g p e n q u w t g " v j c v " v j g " q y p g t " q t " q r g t c v q t " q h " c " h c e k k l g " j c u " e e p " f g o q p u t c v g f " v q " v j g " G z g e w k x g " Q h h e g t " k u " c p " g s w k x c n g p v " q t " o q t g " g h g e v k x g " o g v j q f " u " v q " o k p k o k g " v j g " o q x g o g p v " q h " c k " y k j k p " v j g " r t g x g p v " f w u v / h q t o k p i " o g v c n ' e q p v c k p k p i " h w i k k x g " g o k u k q p u " g u e c r l p i " h t q o " c " d w k f l p i " g p e n q u w t g 0

*Building Enclosure Compliance Plan:* Pgy "rctci tcr j " \*h\*45+ "r t q r q u g u " v q " c m q y " t g s w k t g " c " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " y k j k p " 82 " f c { u " q h " t w g " c f q r v k p p " v q " d g " u w d o k w g f " l p " v j g " g x g p v " v j c v " p q y p g t " q t " q r g t c v q t " e c p p q v " e q o r n " y k j " v j g " t g s w k t g o g p u " q h " r c t c i t c r j u " \*h\*3+ " e p f " \*h\*4+ " f w g " v q " e q p h r e v " y k j " h g f g t e n j g " W p k x g f " U c v g u " F g r c t w o g p v " q h " N e d q t " Q e e w r c v k p c n " U c h g v " c p f " J g c n j " C f o k p k u t c v k p p " \* Q U I C + " E c k h q t p k c " F k k u k p " q h " Q e e w r c v k p c n " U c h g v " c p f " J g c n j " C f o k p k u t c v k p p " E c n I Q U I C + " q t " q v j g t " o w p k e r c n e q f g u " q t " c i g p e { " t g s w k t g o g p u " f k t g e v " t g r c v g f " v q " y q t n g t " u c h g v " 0 V j g " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " u j c m d g " u w d o k w g f " v q " v j g " G z g e w k x g " Q h h e g t " h q t " t g x l g y " c p f " c r r t q x c n " p q " r c v t " v j c p " ; 2 " f c { u " c h g t " t w g " c f q r v k p p " h q t " g z k u k p i " h c e k k l g u " g z k u k p i " d g h q t g " v j g " f c v g " q h " t w g " c f q r v k p p " c p f " r t k q t " v q " k p k k c n " u c t v w r " h q t " c m " q v j g t " q r g t c v k p u " e p f " V j g " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " u j c n i k p e n w f g " v j g " g z r r p c v k p p " h q t " y j j " v j g " e q p h r e v " g z k u u " c p f " v j g " c n g t p c v k x g " e q o r r k c p e g " o g c u w t g u " v j c v " y k m d g " k o r n g o g p v g f " v q " o k p k o k g " v j g " t g r c u g " q h " f w u v / h q t o k p i " o g v c n ' e q p v c k p k p i " h w i k k x g " g o k u k q p u " v q " v j g " q w u k f g " q h " v j g " d w k f l p i " g p e n q u w t g 0 V j k u " r c p " y k m d g " u w d l g e v " v q " T w g " 528 " o " R r c p " H e g u 0 "

Rctci tcr j " \*h\*56+ "r t q r q u g u " v q " g u c d r k u j " r t q e g f w t g u " h q t " t g u w d o k w e n " c p f " c r r g e n " q h " f k u c r r t q x g f " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p u 0 " K i " v j g " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " k u " f k u c r r t q x g f . " c " t g x l u g f " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " e q p v c k p k p i " k p h q t o c v k p p " v q " c f f t g u u " f g h e k p e k l g u " k f g p w k h g f " l p " v j g " f k u c r r t q x c n " n g w t " u j c m d g " u w d g " t g u w d o k w g f " y k j k p " 52 " e c n p f c t " f c { u " q h " v j g " p q v k h e c v k p p " q h " f k u c r r t q x c n " C n g t p c v k x g n " . " v j g " q y p g t " q t " q r g t c v q t " o c { " c r r g e n " v j g " f k u c r r t q x c n " v j g " J g c t l p i " D q c t f " l p " c e e q t f c p e g " y k j " v j g " t g s w k t g o g p u " l p " T w g " 438 " o " C r r g e n u . " c p f " T w g " 443 " o " R r c p u 0 V j g " G z g e w k x g " Q h h e g t " y k m d g k j g t " c r r t q x g " v j g " t g x l u g f " c p f " t g u w d o k w g f " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " q t " y k m d o q f k h { " v j g " r n c p " c p f " c r r t q x g " k " c u " o q f k h g f 0 V j g " G z g e w k x g " Q h h e g t / o q f k h g f " c p f " c r r t q x g f " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " e c p " d g " c r r g c n g f " r g t " T w g u " 438 " c p f " 4430 "

Qpeg" vj g " D w k f l p i " G p e n q u w t g " E q o r r k c p e g " R r c p " k u " c r r t q x g f . " v j g " r n c p " o w u v d g " k o r n g o g p v g f " y k j k p " ; 2 " f c { u " q h " c r r t q x c n " h q t " h c e k k l g u " g z k u k p i " r t k q t " v q " t w g " c f q r v k p p " c p f " r t k q t " v q " k p k k c n " u c t v w r " h q t " c m " q v j g t " h c e k k l g u " r w t u w c p v " v q " r c t c i t c r j " \*h\*67+0 " E q o r r k c p e g " y k j " v j g " c r r t q x g f " c n g t p c v k x g " e q o r r k c p e g " o g c u w t g u " u j c m d e q p u k w w g " e q o r r k c p e g " y k j " v j g " c r r r e c d r g " r t q x k u k p u " l p " r c t c i t c r j " \*h\*3+0 "

### **Recordkeeping – Original subdivision (g)**

Otki kpcn' tgeqtf ngr lpi " tgs wkt go gpwu" l p " r c t c i t c r j u " \*i\*3+ " c p f " \*i\*4+ " c t g " r t q r q u g f " h q t " f g r g v k p p 0 "  
Pgy " tgeqtf ngr lpi " tgs wkt go gpwu" c t g " r t q r q u g f " v q " d g " t g m e c v g f " v q " u w d f k k u k p p " \*i+0 "  
Pgy " u w d f k k u k p p " \*i " r t q r q u g u " v q " g u c d r k u j " v j g " h q m y l p i " t g e q t f n g r l p i " t g s w k t g o g p u " h q t " q y p g t u " q t " q r g t e v q t u " p p " e " p q p / e j t q o k w o " o g v e n o g v e n l p i " q r g t e v k p p 0 "

Monthly Quantities <P gy "r etei ter j "i "3 "r tqr qugu"q"tgs wt g"tgeqt fu"q"dg"nrg v"qh'o qp vj n" s wcp vkgu"qh'tey "o evgtlen"rt tgeguaf. "lpenf lpi "lpi qu."uter "cpf "lpvtpen"cpf "gz vtpen"t gwpu epf "vj g"r wtej eug"tgeqt fu"q"xgthl "vj gug"s wcp vkgu"y j gtg"err n"eedng' "

*Monthly Analyses:* "P gy "retei ter j "i +4 "rtqr qugu"v "tgs wtg"o qpyj n "epen ugu"v "f gyto lpg" v g'y gli j vf "exgtei g'r gtegpvei g"qh'etugle. ecf o kwo "cpf "plemgneqpvclpgf "lp'o gven"cpf "cmj {u" wulpi "qpg"qh'v g"hamy loi "<

- C"WU'GRC/errrtqxf"o gj qf"qt"o gj qfu"
- Crrrdeedrg"o gj qf"qt"o gj qfu'r wtucpv"q"uudf kxkulp"bq"z="
- Ogvenxti leen'euc{"qt="
- Cp"enrtpewxg"o gj qf"errrtqxf"d'f"vj g"Gzgewkxg"Qhilest0'

*Additional Record Maintenance:* "P gy "rctei ter ju"i +\*5"vj tqw j "i +\*: +!rtqr qug"q"tgs wltg"vj g"  
 o-ekvgpepeg"qh"vj g"hmuy loi "eff klapent'geatfu"

- S wetvtn "epn ugu v f gvgto kpg "y g"y gli j v f gtegpvei g "qh'tugple . 'eef o kwo . 'bj tqo kwo ."  
epf "plengneqpvlepgf "lp "dwmduco r ngu qh'dei j qwug "eevj gu="
- Uqwtg "vgu f f ex "cu'tgs wlt gf "d { "uwl f k l u l q p " \* j " e p f " r e t e i t e r j " \* 1 \* 5 = "
- J qwugmger lpi "eev k l k l u g u " e q o r n g v f " c u ' t g s w l t g f " d { " u w l f k l u l q p " \* g = "
- F ex "hagu . "lpur ge v l q p " e p f " o e l p w p e p e g " q h " g o k u l q p " e q m g e v l q p " f g x l e g u " c u ' t g s w l t g f " d { "  
uwl f k l u l q p " \* 1 . " l p e n f l p i " y j g " p e o g " q h " y j g " r g t u q p " e q p f w e v l p i " y j g " e e v k l k l " e p f " y j g " f e v g u "  
epf " l o g u " e v y j l e j " u r g e k l e " e e v k l k l e u " y g t g " e q o r n g v f = "
- Cpgo qo gvg "f ex "eqmgev f . "lpemf lpi "eer wt g " x g m e k l e g u " f e v g u " q h " o g e u w t g o g p v " e p f "  
e e n d t e v l q p " f q e w o g p v e l q p " c u ' t g s w l t g f " d { " r e t e i t e r j " \* 1 \* 8 = " e p f "
- Uo qm "vgu f f qewo gpvev l q p " c u ' t g s w l t g f " l p " C w e e j o g p v D " o " U o q m " V g u v " q " F g o q p u t e v g "  
E e r w t g " G h l e l e p e { " h t " G o k u l q p " E q m g e v l q p " U l u g o u " q h " e p " G o k u l q p " E q p w q n " F g x l e g "  
R t u w e p v " q " R e t e i t e r j " \* 1 \* 7 . 0 )

*Record Retention* "Uwdf kklukp"i "y km'enu"tgs vltg"y g"o clpvpepeg"qh'em'tgeqtfu"ht"y tgg"  
fgetu."y kj "evhguv"y g"y q"o quvtgegpv fgetu hgr vqpukg"epf"o cf g'exekndg"q"y g"Uqwj "Egeuv"  
CSOF"wr qp"tgs wgunf)

### Source Testing Requirements – New subdivision (gh)

P gy "uɔdf kɛkɛp"ɿ ɿ+r tɛr qugu"vɔ"guvdrkuj "v ɡ'hɛmɣ kɛi "uɔwtɛɡ"vɔvɔkɛi 'tɬs vɛt ɡo ɡpɔv<"

Source Test Protocol: P gy "rctci terj "j\_+3+"rqr qugu"q"tgs wktg"uqwtg"gvu'r tqvqeqn"q"dg" uwdo kwgf "q"vj g"Gzgewkxg"Qhleg"htq"cr r tqxcn"pq"rwgt"vj cp"Qevqdg"3."4242"htq"vj g"lpxkcl" uqwtg"gvu'tgs wktgf"r wtuwcpv"q"rctci terj "i+4+"cpf"pq"rwgt"vj cp"vj tgg"o qpj u'r lhtq"q"vj g" f gcf rpg"htq"vj g'r gtlqf le"uqwtg"gvu'tgs wktgf"r wtuwcpv"q"rctci terj "i+5+"evhgeu"82"fe"ur lhtq"q" eqpf vewkpi "e"uqwtg"gvu'r wtuwcpv"q"rctci terj u"j\_+4+"vj tqwji "j\_+6+0Vj g"uqwtg"gvu'r tqvqeqn" y km'dg"tgs wktgf"q"lpenmf g"vj g"uqwtg"gvu'etkgtk"qh"vj g"gpf"wggt."cm'cuwo r wqpu."tgs wktgf" f cvc."ecr ewwvgt"vcti gu'htq"vukpi ".cpf"vj g"hmjy kpi <

- Vcti gv'ctugple."ecf o kw "cpf"pleng'o cuu'go kukqp"ucpf ctf u="

- Rrcppgf "uco r rkp" "r ctco gvgtu="
- Kphqto cvkqp"qp"gs vkr o gpv."qi kukeu."r gtuppgn"cpf "qvj gt "tguwtegu"pgeguuct { "hqt"cp" ghhekgpv"cpf "eqqtf kpcvgf "uqwtegu"vguv"cpf ""
- Gxcnvcvqp"qh"vj g"go kuukqp"eqngevqp"u{ ugo 0

"

*Initial Source Test:* P gy "r ctci tcr j "1j+\*4+r tqr qugu"vq"tgs vkt g"vj g"qy pgt"qt"qr gtcvqt"qh"pqp/ ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"vq"eqpf vev"uqwtegu"vguv"hqt"cmi"pqp/ej tqo kwo "o gmkpi " hwpcegu"pq"rcvgt"vj cp"lcpwct { "3."42430"

"

*Source Testing of Point Sources:* P gy "r ctci tcr j "1j+\*5+r tqr qugu"vq"tgs vkt g"uqwtegu"vguvkpi "vq" dg"eqpf vevgf "hqt"cmi"pqp/ej tqo kwo "o gvcn'o gmkpi "r qkp"uqwtegu"qpeg"gxgt { "82"o qpj u."chgt" vj g"kpkkcn"uqwtegu"vguv"vq" f go qpuctvg"eqo r rkepeg"y kj "vj g"hekkv { "o cuu"go kuukqp"ucpf ctf u" ur gekhgf "kp"r ctci tcr j "f+\*3+0K"vj g"uqwtegu"vguv" f go qpuctvg"eqo r rkepeg"y kj "r ctci tcr j "f+\*5+" vj gp"vj g"pgz"uqwtegu"vguv"o wuvdg"eqo r rvgf "y kj kp". 6"o qpj u"chgt"vj g" f cvg"qh"vj g"o quvtgegpv" uqwtegu"vguv"0

"

*Uncontrolled Furnace Testing:* P gy "r ctci tcr j "1j+\*6+r tqr qugu"vq"cmqy "c"hekkv { "vq"uqwtegu" vguv"cp"vpeqptqmgf "hwpcegu"cpf "cr r n { "vj g"go kuukqp"tcvg"guvdrkuj gf "d { "vj g"uqwtegu"vguv"tguvnu" r tqr qtvcvgn { "vq"cmiuko krt "vpeqptqmgf "hwpcegu"cv"vj cvhekkv { 0

*Source Testing for Scrap Melting:* "Hqt"pgy "qt"o qf kkgf "go kuukqp"eqpvtqn" f gxkgu"qt"pqp/ ej tqo kwo "o gvcn'o gmkpi "hwpcegu"vj evnetvpuvcmgf "chgt"vj g"cf qr vqp"qh"RCT"3629."r ctci tcr j " \*1j+\*7+r tqr qugu"vq"tgs vkt g"vj g"uwo kvcn"qh"c"uqwtegu"vguv"r tqveqn"y kj kp"; 2" f c { u"chgt"vj g" Rgto k"vq"Eqpuctvev"ku"kuwgf "cpf "vq"eqpf vev"vj g"kpkkcn"uqwtegu"vguv"y kj kp"342" f c { u"chgt"vj g" cr r tqxcn"qh"vj g"uqwtegu"vguv"r tqveqn"

"

*Source Testing Notification:* P gy "r ctci tcr j "1j+\*8+r tqr qugu"vq"tgs vkt g"vj g"pqvhecvqp"vq"3/ : 22/EW/UEO QI qh"vj g"Gzgewkxg"Qhhegt"y tkkpi."qh"vj g"kpvgpv"vq"eqpf vev"uqwtegu"vguvkpi."qpq" y ggm"r tlqt"vq"eqpf vevkpi "uqwtegu"vguvkpi "r wuwcgv"vq"r ctci tcr j u"1j+\*4+"vj tqwi j "1j+\*7+0" Ej cpi gu"kp"vj g"uqwtegu"vguv" f cvg"y km"dg"tgs vkt gf "vq"dg"tgr qtvgf "vq"3/ : 22/EW/UEO QI "cv"rcuv" 46"j qwtu"r tlqt"vq"ecpegnkpi "qt"tguej gf wkpi 0"

"

*Notification for Source Test Results:* P gy "r ctci tcr j "1j+\*9+r tqr qugu"vq"tgs vkt g"vj g"qy pgt"qt" qr gtcvqt"qh"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"vq"pqv { "vj g"Gzgewkxg"Qhhegt"y kj kp" hkg"ecrgpf ct" f c { u"qh"y j gp"vj g"hekkv { "npqy "qt"uj qwf"j cxg"npqy p"qh"cp { "uqwtegu"vguv"tguvnu" vj cv"gzeggf "cp { "qh"vj g"go kuukqp"ucpf ctf u"ur gekhgf "kp"uwdf kxkukp" f +0P qvhecvqp"y km"dg" tgs vkt gf "vq"dg"o cf g"vq"3/ : 22/EW/UEO QI "cpf "hqmgy gf "vr "kp"y tkkpi "vq"vj g"Gzgewkxg"Qhhegt" y kj "vj g"tguvnu"qh"vj g"uqwtegu"vguv"y kj kp"32"ecrgpf ct" f c { u"qh"pqvhecvqp0

"

*Minimum Operating Capacity for Source Test:* P gy "r ctci tcr j "1j+\*+r tqr qugu"vq"tgs vkt g" uqwtegu"vguv"vq"dg"eqpf vevgf "y j krg"qr gtcvki "cv"c"o kpk wo "qh": 2"r gtegpv"qh"vj g"gs vkr o gpv" r gto kwgf "eer eekv { "vj tqwi j r w'cpf "kp"ceeqtf cpeg"y kj "ECTD"O gy qf "658"o" F gvgto kpcvqp"qh" O wnr ng"O gvcnGo kuukqp"htqo "Ucvkqpt { "Uqwtegu" Cff kkpccm { "pgy "uwdr ctci tcr j "1j+\*+\*C+" r tqr qugu"vq"ugv"c"o kpk wo "uco r ng"xqmw g"qh"372" f t { "ucpf ctf "ewdle"hggv"hqt"gej "uco r ng." cuuwo kpi "o gy qf "tgr qtvpki "rko ku"qh"nguu"vj cp"204"o letqi tco u"r gt"uco r ng."qt"c"o kpk wo " uco r ng"xqmw g"uwhhekgpv"vq"cej kxg"cpcn { vccn"tguvnu"cv"vj g"o gy qf "tgr qtvpki "rko k0P gy " uwdr ctci tcr j "1j+\*+\*D+"r tqr qugu"vq"ucv"vj cv"kp"ukwcvqp"kp"y j kej "cmi"vguv"twpu"cpf "cpcn { ugu"

eqpukugpvf "lpf lecvg"rgxgnudgmy "vj g'rko k'qh'f gvevqp."vj g'eqo r qwpf "ecp"dg"lf gpvkhgf "cu" ōpqv'f gvevqf ō"cpf "ku'kpenwukp"y kmpqv'dg'tgs wktgf "cpf "k'ecugukp"y j lej "qpg"qt"o qtg'qh'vj g" vuv'twpu'cpf "cpnf ugu'uj qy "o gcuw'gf "xcnwgc'dqxg"vj g'rko k'qh'f gvevqp."vj g'twpu'qt"cpnf uku' vj cv'y gtg'dgmy "vj g'rko k'qh'f gvevqp"uj cm'dg"cuuki p"qpg'j ch'qh'vj g'rko k'qh'f gvevqp"ht "vj cv' twpO'

*Alternative Source Test Methods:* P gy "rctci tcr j "1j+32+r tqr qugu"vq"cmqy "cngtpevkg"qt" gs wxcrgpv"uqwtg"vuv'o gjv qf u"cu" f ghpgf "kp" WUO'GRC "62" EHT "Rctv"82" Ugevqp"8204."kh" cr r tqxgf "kp"y tkkpi "d{ "vj g"Gzgewkxg"Qhhegt."kp"cf f kkkp"vq"vj g"ECTD."qt"vj g"WUO'GRC."cu" cr r rkecdrgO'

*Laboratory Approval:* P gy "rctci tcr j "1j+32+r tqr qugu"vq"tgs wktg"vj g"vug'qh'c"vuv'ndqtcvqt { " cr r tqxgf "wpf gt"vj g"Uqwj "Eqcu'CS O F "Ncdqtcvqt { "Cr r tqxcn'Rtqi tco "ht"vj g"uqwtg"vuv' o gjv qf u"ekgf "kp"uwdf kkkp"1j+0'K"vj gtg"ku"pq"cr r tqxgf "ndqtcvqt { "vj gp"cr r tqxcn'qh'vj g" vuv'kpi "r tqegf wgu"vugf "d{ "vj g"ndqtcvqt { "ecp"dg"i tcpvgf "d{ "vj g"Gzgewkxg"Qhhegt"qp"c"ecug/ d{ "ecug"dcuku'dcugf "qp"Uqwj "Eqcu'CS O F "r tqvqeqn"cpf "r tqegf wguO'

*Multiple Source Test Methods:* P gy "rctci tcr j "1j+33+r tqr qugu"vq"emtkh{ "vj cv'y j gp"vj gtg"ku" o qtg"vj cp"qpg'r quukdg"uqwtg"vuv'o gjv qf "vj g"uqwtg"vuv'o gjv qf "ugrgevqf "o wuv'dg"cr r tqxgf "d{ " vj g"Gzgewkxg"QhhegtO'K"cf f kkkp."c"xlqrvkqp"guvcdkuj gf "d{ "cp{ "qpg"qh'vj g"ur gekhgf "uqwtg" vuv'o gjv qf u"qt"ugv'qh'uqwtg"vuv'o gjv qf u'y km'eqpukwvg"c"xlqrvkqp"qh'vj g'twgoO'

*Existing Source Test:* P gy "rctci tcr j "1j+34+r tqr qugu"vq"cmqy "cp"gzvukpi "uqwtg"vuv' eqpf vevgf "qp"qt"chgt"Lcpwct { "3."4238"ht"c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"go kkkp" eqpvtqnf gxleg"gzvukpi "dghgt"vj g"f cvg'qh'twrg"cf qr vqp"vq"dg"vugf "cu"vj g"kpkkcn'uqwtg"vuv' ur gekhgf "kp"rctci tcr j "1j+33+vq" f go qpwtcvqf "eqo r rkepeg"y kj "vj g"o gvcn'go kkkp"eqpvtqnf uvcpf ctf u"qh'uwdf kkkp"1j+0'Vj g"uqwtg"vuv'y km'dg"tgs wktgf "vq"o ggw"cv"c"o loko wo ."vj g" hmqy kpi "etkgtk<

- Vj g"uqwtg"vuv'ku"vj g"o quv'tgegpv'eqpf vevgf "ukpeg"Lcpwct { "3."4238="
- Vj g"uqwtg"vuv'f go qpwtcvqf "eqo r rkepeg"y kj "vj g"eqpvtqnf tgs wktgo gpw'kp"uwdf kkkp" 1j+0'="
- Vj g" uqwtg" vuv' f go qpwtcvqf " eqo r rkepeg" y kj " go kkkp" eqmgevqp" u'vugo " tgs wktgo gpw'qh'rctci tcr j "1j+34-Vj g"uqwtg"vuv'ku"ter tgegpv'eqpf "qh'c"o gjv qf "vugf "vq" vuv'go kkkp"htqo "eqpvtqnf gxlegu'ewtgpw'kp"vug=cpf ""
- Vj g"uqwtg"vuv'y cu'eqpf vevgf "vukpi "cr r rkecdrg"cpf "cr r tqxgf "vuv'o gjv qf u'ur gekhgf "kp" rctci tcr j u"1j+38+vj tqwi j "1j+34+0'

*Submittal of Source Test Reports:* P gy "rctci tcr j "1j+35+r tqr qugu"vq"tgs wktg"tr qt w'htqo " uqwtg"vuv'y cv'y gtg"eqpf vevgf "r wuvcpv"vq"uwdf kkkp"1j+0'cpf "rctci tcr j "1j+35+vq"dg" uwdk wgf "vq"vj g"Uqwj "Eqcu'CS O F "y kj kp"; 2"fc{ u'qh'eqo r rkvqp"qh'uqwtg"vuv'kpi O'

### **Alternative Emissions Control – Original subdivision (h)**

Otki kpcn'cngtpevkg"go kkkp"eqpvtqnf tgs wktgo gpw'kp"uwdf kkkp"1j+0'ctg'r tqr qugf "ht" f gvevqpO'"

### **Applicable Material Testing Requirements Methods – New subdivision (hi)**

Uwdf kkkp"1j+0'r tqr qugu"o kpqt"gf kqtkcn'tgxkukpu"ht"eqpukvge { "cpf "emtkh{ "cpf "vq"cf f "pgy " rctci tcr j u"1j+34+cpf "1j+35+0'



"

Materials Testing Methods: "P gy 'r ctei tcr j "j +4+r tqr qugu'q'tgs wkt g'cp'qy pgt"qt"qr gtcvqt"qh" c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"v" wug"qpg"qh"v" g" hmqy kpi "vuv'o gvj qf u"o quv' cr r dcedrg"v"j g'uco r ng'o ctkz."o gvj qf "f gvevqp"ko k:"cpf "kpgtht gpegu'hqt"o cvgtkcn'gmkpi <"

- C"WU"GRC/cr r tqxgf "o gvj qf "qt"o gvj qf u"
- O quv'ewtgpv'CUVO "o gvj qf u"
- O gvcnwti kcn'cuuc{="qt"
- Cp'cngtpcvkxg"o gvj qf "cr r tqxgf "d{ "vj g'Gzgewkxg'Qhleg0

Quarterly Analysis: P gy 'r ctei tcr j "j +5+r tqr qugu'q'cmqy "vj g'qy pgt"qt"qr gtcvqt"qh" c"pqp/ ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"v" wug"qpg"qh"v" g'o gvj qf u'kf gpv'kqf "kp'r ctei tcr j "j +4+v" eqpf vev'vj g'hmqy kpi "o cvgtkcn'gmkpi <"

- S wctvtnf "cpnf ugu'q" f gvgto kpg'vj g'y gli j vgf "cxgtci g'r gtegpvc i g'qh'ctugple."ecf o kwo ." ej tqo kwo ."cpf "plengr'eqpvkpgf "kp"o gvcn'cpf "cmq{ u'o gngf "kp"pqp/ej tqo kwo "o gvcn' o gmkpi "hmtpegu="cpf ""
- S wctvtnf "cpnf ugu'q" f gvgto kpg'vj g'y gli j v'r gtegpvc i g'qh'ctugple."ecf o kwo ."ej tqo kwo ." cpf "plengr'eqpvkpgf "kp'dwmluco r ngu'qh'dci j qwug'ecvej gu'qh'dci j qwugu'cuuqekcvf "y kj " pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"u0

"

### **Exemptions – Original subdivision (i)**

Gz go r vkpu"v" cv"y gtg"r tglkwunf "kp" qtki kpcn'uwdf kxkukqp" \*k" ctg"r tqr qugf "v" dg"tgmecevqf "v" uwdf kxkukqp"\*m0

"

### **Emission Control Device Monitoring – New subdivision (ii)**

P gy "uwdf kxkukqp"\*k+"ku"r tqr qugf "v" guvcdkuj "vj g'hmqy kpi "tgs wkt go gpw'hqt"eqpf vev'kpi "uqwtg" vguv'o qpkqtkpi <"

"

Bag Leak Detection System <"Ghgevkxg'Lcpwct{ "3."42433;."r ctei tcr j "j +3+r tqr qugu'q'tgs wkt g" vj g'qy pgt"qt"qr gtcvqt"qh" c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"v"err n" hqt"e"r gto k"v" kpuvem"qr gtcvg."ecrkdtevg."cpf "v"o clpvclp" c'Deci "Nrgcnf f-gvevqp"Uu{ uvgu "hqt"cm'dci j qwugu" uwdlgev"v"Twg"3629."tgi ctf ngu'qh'uk" g."r wtuwcpv"v"vj g"Vlgt"5"tgs wkt go gpw'qh"Uqwj "Eqcuv" CS O F "Twg"3377"o"Rct vewrcvg"O cwtg"RO +EqpvtqnF gxlegu0

"

Pressure Monitoring: "Ghgevkxg'Lcpwct{ "3."42433;."r ctei tcr j "j +4+r tqr qugu'q'tgs wkt g"vj g' qy pgt"qt"qr gtcvqt"qh" c"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqp"v"eqpvkpwqunf "o qpkqt"vj g" r tguwt g" f tqr "cetquu"vj g" hgt"qh'ep""go kuukqp"eqpvtqnf gxleg" wugf "v"eqpvtqnf o gvcn'go kuukpu" y kj "c"i cwi g0Vj g" hgt"qh'ep"vj g"i cwi g'y kn'pggf "v"dg"mecevqf "uq"vj cv'k'ku"gcukn' "xkukdg"cpf " kp"engct"uki j v'qh"vj g'qy pgt"qt"qr gtcvqt"qt"o clpvpcpeg"r gtuqppgr0Hqt"vj g'r wtr qugu'qh"vj ku" tgs wkt go gpv"vj g'qy pgt"qt"qr gtcvqt"vj cm'gpwv"vj cv'vj g'o qpkqtkpi "f gxleg-<"

- Ku" gs wkr r gf" y kj " r qtw" v" cmqy " hqt" r gtlqf le" ecrkdtevkqp" kp" ceeqtf cpeg" y kj " o cpwcewtgtu'ur gekhcevkpu="
- Ku"ecrkdtevgf "ceeqtf kpi "v"o cpwcewtgtu'ur gekhcevkpu"cv'ngcuv'qpeg"gxgt{ "ecrnpf ct" { gct="

- Ku'gs wkr r gf 'y kj 'c'eqpvkpwqwu'f c'c'ces wukukp'u' u ngo "FCU"beredng'qh'y cvtgeqtf u'kpi-  
y j g'f c'c'qwr w'ltqo "y j g'o qpkqtkpi 'f gxleg'cv'c'htgs wgep{ "qh'cv'rgcu'qpeg'gxgt { "82"  
o kpwgu="
- I gpgtcvgu'c'f c'c'htg'ltqo 'y j g'eqo r wgt'u' u ngo 'kpwgt'cegf 'y kj 'gcej 'FCU'gcej 'ecrgpf ct"  
f c { "ucxgf "kp'O letquqhn'Gzegn'znu'qt "znz+'h'qto cv'qt "qj gt'h'qto cv'cu'cr r tqxgf "d { "y j g"  
Gzgewkxg'Qh'hteg0'Vj g'htg'uj cml'eqpvk'p'c'vcdng'y kj 'y j g'ej tqpqm'k'ecnf'c'v'cpf "k'o g"  
cpf "y j g'eqttgur qpf kpi 'f c'c'qwr w'xcnw'ltqo "y j g'o qpkqtkpi 'f gxleg'kp'wpku'qh'k'pej gu"  
qh'y cvgt'eqnw p0'Vj g'qr gtcvt'uj cml'rtgr ctg'c'ugr ctv'f c'c'htg'gcej 'f c { "uj qy kpi 'y j g"  
6/j qwt'cxgtci g'r tguwtg'tgcf kpi u'tgeqtf gf "d { "y j k'f gxleg'gcej 'ecrgpf ct'f c { "cpf ""
- Ku'o clpvkpgf 'kp'ceeqtf cpeg'y kj 'o cpwcewtgt'au'ur gekh'ecv'kpu'

Source Test after Deficient Filter Pressure: "Rctci tcr j "4+5+r tqr qugu'v'q'tgs wkt'g'y j g'qy pgt'qt"  
qr gtcvt'qh'c'pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcv'kp" go kuukp'eqpvtn'f gxleg'v'q'eqpf wv'c"  
uqwtg'v'guv' r wuwpv'v'q'uwdf k'kuukp'j + "h'y j g'r tguwtg'cetqu'u' y j g'htg' go kuukp'eqpvtn'f gxleg"  
ku'pqv'o clpvkpgf 'y kj kp'y j g'tcpi g'ur gekh'gf "d { "y j g'o cpwcewtgt'qt'ceeqtf kpi "v'q'eqpf k'kpu'qh"  
y j g'Rgto k'v'Qr gtcv'ht' y j g'go kuukp'eqpvtn'f gxleg'cu'f gvgto kpgf "d { "j qwt' "qt'o qtg'htgs wgpv'  
tgeqtf kpi u'd { "y j g'FCU'ht' y j g'h'mqy kpi "cxgtci kpi "r g'kqf u."pq'n'vgt' y j cp'52'f c { "u'chgt' y j g"  
f kuetgr cpe { "ku'f g'gevgf <"

- C'6/j qwt'k'o g'r g'kqf "qp'y j tgg'qt'o qtg'ugr ctv'f c { "u'qxt'82'eqpvkpwqwu'f c { "u'qt""
- Cp { "eqpugewkxg'46/j qwt'r g'kqf 0'

Minimum Collection Induced Capture Velocity<"Gh'ge'v'xg'Lcpwct { "3."42433÷. "rctci tcr j "4+6+r  
r tqr qugu'v'q'tgs wkt'g'qr gtcv'kp'qh'y j g'go kuukp'eqmge'v'kp'u' u ngo "cuuqek'v'f y kj 'y j g'go kuukp'  
eqpvtn'f gxleg'cv'c'o k'p'o wo "eqmge'v'kp'kf w'v'f "ecr wt'g'xgmek'v' "ur gekh'gf "kp'y j g'o quv'ewtgpv"  
gf k'k'p' qh' y j g' k'p'w'ut'k'cn' Xgp'w'v'kp. "C" O cpwcn' qh' T'gego o g'p'f gf "Rtce'v'eg" h'qt" F'guk'p. "  
r wdr'uj gf "d { "y j g'Co g'ltecp'Eqphgt'gpeg'qh'I qxgt'p'o g'p'cn'k'p'w'ut'k'cn'I { i l'g'p'ku. "cv'y j g'k'o g'c"  
r gto k'cr r'k'ecv'kp'ku'f ggo gf "eqo r'ngv'd { "y j g'U'qwj 'Eqcu'CS O F 0'

Periodic Smoke Test: Gh'ge'v'xg'Lcpwct { "3."42433÷. "rctci tcr j "4+7+r tqr qugu'v'q'tgs wkt'g'c"  
r g'kqf k'le'uo qng'v'gu'v'q'dg'eqpf w'v'f "cpf "r cuugf "f w'kpi "uqwtg'v'gu'kpi . "r wuwpv'v'q'rctci tcr j u"  
j +3+ i +4+ y j tqw j "j +7+ "cpf "cv'rgcu'qpeg'gxgt { "ukz'o qp'y u'y j g'gt'chgt. "wukpi "y j g'tqegf w'g"  
ugv'ht'y j "kp'C'wcej o g'p'v'D"qh'y j ku'tw'g'0'Vj g'uo qng'v'gu'v'y k'm'p'q'v'dg'tgs wkt'gf "h'k'w'ecp'dg'k"  
f go qpwt'v'f "v'q'y j g'Gzgewkxg'Qh'hteg" y j cv'eqpf w'v'kpi "y j g'uo qng'v'gu'v'k'r'g'g'p'w'et'g'v'gu'cp"  
v'p't'g'cu'p'cdrg't'kun0'k'i' y j g'go kuukp'eqmge'v'kp'u' u ngo "h'k'gf "c'uo qng'v'gu'v'y j g'qy pgt'qt'qr gtcvt'  
qh'c'pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcv'kp" u'j cml'pqv'wug' y j g'cuuqek'v'f "h'm'p'ceg'u" h'qt"  
r tqf w'v'kp'w'p'k'i' y j g'go kuukp'eqmge'v'kp'u' u ngo "r cuugu'c'uo qng'v'gu'v'0'

Anemometer: Gh'ge'v'xg'Lcpwct { "3."42433÷. "rctci tcr j "4+8+r tqr qugu'v'q'tgs wkt'g'y j g'wug'qh'c"  
ecr'ld'ctv'f "cpgo qo g'v't" v'q" o g'cuwtg' y j g'urqv'eer'wt'g'xgmek'v' "qh' gcej "go kuukp'eqmge'v'kp"  
u' u ngo urqv'cpf "r tguwtg'cv'gcej "r wuj "ck'o c'p'k'qf "cv'rgcu'qpeg' o qp'y n' "gxgt { "ukz'o qp'y u."  
dcugf "qp" ku' m'ecv'kp" y kj kp" c" pqp/ ej tqo kwo "o gvcn' o gmkpi "qr gtcv'kp" cpf "ku' f guk'p"  
eqph'k' w'ecv'kp'cu'h'mqy u<"

- Emissions collection system designed with a hood or enclosure<"o clpvk'p'c'ecr wt'g"  
xgmek'v' "qh'cv'rgcu'422'h'gv'r gt'o k'pwg'cu'o g'cuwtg'f "cv'y j g'h'ceg'qh'y j g'g'p'em'uw'g'qt'y j g"  
o k'p'o wo "urqv'xgmek'v' "o g'cuwtg'f "kp'y j g'o quv't'gegpv'uqwtg'v'gu'v'y cv'xgt'h'kgu'322'r gtegpv'  
eqmge'v'kp'gh'htegpe { 0"

- *Emission collection system without an enclosing hood that is designed with collection slots*—o ckpvc kp "c" ecr wt g "xgmekv" qh'cv'hcuv"4.222'hggv'r gt "o kpwg. "qt" o ckpvc kp "cv'hcuv" vj g" o kpo wo "unqv" xgmekv "o gcuwtgf "kp" vj g" o quv'tgegpv'uqwtg" vuv'vj cv'xgtkhgu"322" r gtegpv'eqmgev kp "ghhkegpe { 'o gcuwtgf "kp" vj g" o quv'tgegpv'uqwtg" vuv' }
- *Emission collection system designed with a canopy hood without an enclosure*—o ckpvc kp "c" ecr wt g "xgmekv" qh'cv'hcuv"422'hggv'r gt "o kpwg" cetquu'vj g'gpvtgv' qh'cmiqr gp" ukf gu"gzvvpf kpi "htqo "vj g" r gtlo gvt "qh'vj g" j qaf "cpf "qr gtcvki "y kj qw'etquu" f tchu"qt" o ckpvc kp "cv'hcuv" vj g" o kpo wo "unqv" xgmekv "vj cv' xgtkhgu" 322" r gtegpv' eqmgev kp "ghhkegpe { 'o gcuwtgf "kp" vj g" o quv'tgegpv'uqwtg" vuv' }

*Reporting of Failures*—P gy "r ctei tcr j "k\*9+"r tqr qugu"vq" tgs wkt g"vj g" qy pgt "qt" qr gtcvqt "qh" c" pqp/ej tqo kwo "o gvcn" o gmkpi "qr gtcvqp" vq" tgr qt v' y kj kp"46" j qwtu"vq"3/: 22/EWW/UO QI "c" o crhwpevkpki "f cv" ces wkukkp" u{ ugo . "hckgf "uo qng" vuv' r wtuwcpv'vq" r ctei tcr j "k\*7+" qt" cpgo qo gvt "tgcf kpi "kpf kcvkpi "vj cv" vj g" tgs wkt gf "xgmekv" kp" r ctei tcr j "k\*8+" j cu"pqv" dggp" o ckpvc kpf O'

### **Recordkeeping Requirements – subdivision (j)**

*Uwdf kxkukp* "i+" r tqr qugu"vq" tgs wkt g" cp" qy pgt "qt" qr gtcvqt "qh" c" pqp/ej tqo kwo "o gvcn" o gmkpi "qr gtcvqp" vq" o ckpvc kp "vj g" hmqy kpi "tgeqtf u—"

*Quarterly Quantities*—P gy "r ctei tcr j "i\*3+" r tqr qugu"vq" tgs wkt g"vj g" o ckwpcpeg" qh'tgeqtf u"qh" o qpvi n' "s wcpvkku" qh'tcy "o cvgtkcn" r tqeguuf . "kpenf kpi "kpi qvu. "ueter . "ewuqo gt "tgwtpu. "cpf" tgtwp" ueter "cpf "vj g" r wtej cug" tgeqtf u. "kh' cr r rcedng. "vq" xgtkh' "vj g" s wcpvkku"

*Additional Record Maintenance:* "P gy "r ctei tcr j u"i\*4+" vj tqwi j "i\*9+" r tqr qug"vq" tgs wkt g"vj g" o ckwpcpeg" qh'vj g" hmqy kpi "tgeqtf u—"

- *S wctvtnf "s wcpvkku" qh'tcy "o cvgtkcn" r tqeguuf . "kpenf kpi "kpi qvu. "ueter . "ewuqo gt "tgwtpu. "cpf" tgtwp" ueter "cpf "vj g" r wtej cug" tgeqtf u. "kh' cr r rcedng. "vq" xgtkh' "vj g" s wcpvkku—*
- *O cvgtkcn'vukpi "f cv" cu'tgs wkt gf "d { "uwdf kxkukp" i +="*
- *Uqwtg'vuv' f cv" cu'tgs wkt gf "d { "uwdf kxkukp" i + "cpf" r ctei tcr j "k\*5+="*
- *J qwugnggr kpi "cevkxkku" eqpf wvfg "cu'tgs wkt gf "d { "uwdf kxkukp" g +="*
- *Kpur gevqp. "ecrktcvkp" f qewo gpvcvqp. "cpf" o ckwpcpeg" qh'go kuukp" eqpvtqnf gxlegu" cu" tgs wkt gf "d { "uwdf kxkukp" k+ "kpenf kpi "vj g" pco g" qh'vj g" r gtup" eqpf wvki "vj g" cevkxkv' "cpf "vj g" f cvgu" cpf "ko gu'cv' y j lej "ur gekhe" cevkxkku" y gt g" eqo r ngvf ="*
- *Cpgo qo gvt "f cv" eqmgev. "kpenf kpi "ecr wt g" xgmekv. "f cvgu" qh' o gcuwtgo gpv. "cpf" ecrktcvkp" f qewo gpvcvqp" cu'tgs wkt gf "d { "r ctei tcr j "k\*8+= "cpf " "*
- *Uo qng'vuv' f qewo gpvcvqp" cu'tgs wkt gf "kp" Cwcej o gpv' D' o "Uo qng' Vguv'vq" F go qpvtcv" Ecr wt g" Ghhkegpe { "ht" Go kuukp" Eqmgevqp" U{ ugo u"qh' cp" Go kuukp" Eqpvtqnf F gxlegu'*

*Tgeqtf u"lj cmidg' o ckpvc kpf "ht" vj tgg" { gctu. "y kj "cv'hcuv' vj g" y q" o quv'tgegpv' { gctu" hgr v'qpukg. "cpf" o cf g' cxckrdng" vj g" Uqwj "Eqcu' CS O F "wr qp' tgs wgu' O T geqtf u" hgr v'qhu'kg" lj cmidg' o cf g' cxckrdng" y kj kp" qp g' y ggn' }*



Rule 1420.1 < "P gy 'r ctei ter j "m\*: +r tqr qugu'v'gz go r v'gs wkr o gpv'cpf "qr gtcv'kpu'wvdlgev'v'q" v'g" tgs wkt go gpv' qh' T wrg" 3642B" ó" Go kuukqp" Ucpf ctf u" hqt" Ngcf " cpf " Qvj gt" Vqzke" Ckt" Eqpwo kpcpw'ltqo "Ncti g'Ngcf/Cekf "Dcwgt { "Hcekrkku'ltqo "cm'qh'v'g" tgs wkt go gpv'qh'v' ku' twrg0"

Health Risk Assessment or Toxics Inventory Report < "P gy 'r ctei ter j "m\*: +r tqr qugu'v'gz go r v' cp { "hcekrk'ltqo "v'g" tgs wkt go gpv'lp'wvdf k'kuukqp" f' +h'k'j' cu'c" J gcmj "TkumiCuuguuo gpv'qt' Ckt" Vqzkeu'kpxgpvt { "Tgr qtv'cr r tqxgf "qt" r tgr ctgf "d { "v'g" Uqwj "Eqcu'CS O F" hqt "v'g" r wtr qug'qh' v'g" J qv'Ur qu' Cev'qt "v'g" ku' twrg "v'g" cu'cr r tqxgf "qt" r tgr ctgf "d { "v'g" Uqwj "Eqcu'CS O F. "ku' ewtgpv' "dgmj "c" o czlo wo "lpf k'kf wv'ecpegt "tkumi'qh'v'p'lp' qpg' o k'kuukqp" r wtuwcpv'v'q" T wrg" 3624" ó" Eqpwtq'qh' Vqzke" Ckt" Eqpwo kpcpw'ltqo "Gz k'kpi "Uqwtgu. "qt" j' cu'c' ewtgpv' Hcekrk' "Rtktk' " Ueqt'g'qh'ngv'v' cp'v'p' r wtuwcpv'v'q" v'g" o quv'tgegpv'xgtukp'qh'v'g" South Coast AQMD Facility Prioritization Procedure for the AB 2588 Program" Cp'qy pgt "qt" qr gtcv'qt "uggnkpi "gz go r v'kqp" wpf gt "v'g" ku' r ctei ter j "uj cm'pqv'k' "v'g" Gzgewkxg" Qh'leg' "lp" y' tkkpi "cpf "o clpvc'lp' qpukg' v'g" J gcmj "TkumiCuuguuo gpv'qt' Ckt" Vqzkeu'kpxgpvt { "Tgr qtv'cu'cr r tqxgf "qt" r tgr ctgf "d { "v'g" Uqwj "Eqcu'CS O F. "cpf "o cf g'cxckrdng'v'q" v'g" Uqwj "Eqcu'CS O F "w'qp' tgs wgu0"

Metal Grinding and Cutting with Metal Removal Fluids: P gy 'r ctei ter j "m\*: +r tqr qugu'v'gz go r v'o g'v'cn' i' tlpf kpi "qt" eww'kpi "eqpf wevgf "wpf gt "c" eqp'v'p'w'w'ltqo "qh' o g'v'cn' tgo q'x'cn' h'w'ltqo "v'g" d'w'ltf kpi "g'p'w'w'ltqo "tgs wkt go gpv'0"

Repair and Maintenance < "P gy 'r ctei ter j "m\*: 32; +r tqr qugu'v'gz go r v'f k' "uqf gt kpi. "dtc| kpi. " o g'v'cn' i' tlpf kpi. " qt" o g'v'cn' eww'kpi "qr gtcv'kpu" eqpf wevgf "hqt" tgr ckt "qt" f' wtkpi "o clpvc'p'ceg' c'v'x'k'ku' r w'w'ltqo "v'g" tgs wkt go gpv'qh'v' ku' twrg0"

### **Digestion of Metal Aluminum Sample for Determining Arsenic (Attachment A)**

Cwcej o gpv'C' r tqr qugu' o k'pqt "gf k'qtk'cn't g'x'k'ku'p' hqt "eqpuk'v'p'e { "cpf "erctk'0"

### **Smoke Test to Demonstrate Capture Efficiency for Emission Collection Ventilation Systems of an Emission Control Device Pursuant to Paragraph (j)(5) (Attachment B)**

P gy "Cwcej o gpv'D" ur gek'k'gu' v'g" o g'v'cn' i' tgs wkt go gpv' hqt "eqpf wevgf "r g'k'qf le" uo qng' v'guv'v'q" f go qpwt'cv'g' o clpvc'p'ceg' qh' 322" r gtegpv'ecr w'g' g'h'k'k'p'e { "hqt "v'g" go kuukqp" eqmgev'k'p' u' u'go "qh" cp" go kuukqp" eqpvt'q'nf g'x'leg' r wtuwcpv'v'q" r ctei ter j "31; 7" 0C" uo qng' v'guv'ku' eqpf wevgf "d { "r r'ek'kpi "c" uo qng' i' gp'gt'cv'qt "y' k'j' k'p' v'g" ctgc' y' j' g'g' eqmgev'k'p' qh' go kuukqp' d { "v'g" go kuukqp" eqmgev'k'p' u' u'go " qeewtu" t'g'x'g'cu' v'g" g'ecr w'g' g'h'k'k'p'e { 0' Vj g' uo qng' v'guv' u'j cm' dg' eqpf wevgf "y' j' k'g' v'g" go kuukqp" eqmgev'k'p' u' u'go "cpf "v'g" go kuukqp" eqpvt'q'nf g'x'leg' ctg' lp' p'qto cn' qr gtcv'k'p' cpf "wpf gt "v'f' r k'ec'nf' t'ch' eqpf k'k'p' u' t'gr t'gugp'v'k'x'g' qh' v'g' h'cekrk' w'p'p'q' e'j' t'qo k'wo "o g'v'cn' o g'v'cn' k'pi "qr gtcv'k'p' u' Cp' ceegr v'cdng" uo qng' v'guv' u'j cm'f go qpwt'cv'g' c' f' k'ge'v'lt'gco "v'g" v'g' eqmgev'k'p' m'ecv'k'p' u' qh' v'g' go kuukqp" eqmgev'k'p' u' u'go "y' k'j' q'w' o g'cpf g'k'pi u' q'w' qh' v'g" ku' f' k'ge'v' r' cv'j' 0' K' r g'ht'qto k'pi "u'w'ej "c" v'guv' r' t'gugp'v' cp" w'p't'g'cu'p'cdng' t'kumi'v'q' uch'g'v' . "c' h'cekrk' "qy pgt "qt" qr gtcv'qt "y' k'p'p'q'v' dg' tgs wkt gf "v'g" eqpf wevgf "r g'k'qf le" uo qng' v'guv' u' Cp' "gz co r ng' qh' v'g" cv' y' q'w'f "s' w'cn'k' "cu' w'p't'g'cu'p'cdng' t'kumi'v'q' uch'g'v' "y' q'w'f "dg" j' cx'k'pi "v'g" eqpf wevgf "c" uo qng' v'guv' cv' eqmgev'k'p' "uk'gu' v'g" cv' y' q'w'f "dg" gz v'go g'v' "f' c'pi g'v'w' . "k'p'p'q'v' f' g'cf n' . "hqt" u'go g'dqf { "v'g" y' q'tm'k'p' v'g' cv' eqmgev'k'p' " qp'g0"

**SUMMARY OF AFFECTED FACILITIES**

Cr r tqzko cvgn { "76"82" hceklkku"ctg"gzr gevqf "vq"dg"uwlgeqf"vq"RCT"36290Cm"O quv'qh"vj g"chgevgf " hceklkku"ctg"eqpukf gtgf "Hqwpf tkgu"qt"o gvcn'ecukpi "dwulpguugu"cu'i gpgtcm { "encuukhgf "r wtuwcpv"vq" vj g"P qt vj "Co gtkecp { "Kpf wut { "Encuukhgf"U { ugo "PCKEU"eqf g"553ZZZ."cu'hqmy u<"

- 5534ZZ "ó"UygnRtqf wev'O cpwhcewtkpi "Hqo "Rwej cuqf "Uygn"
- 5535ZZ "ó"Cmwo kpc"cpf "Cmwo kpo "Rtqf wevq"cpf "Rtqeguukpi =cpf "
- 5537ZZ "ó"Hqwpf tkgu0"

Cf fklkpcn'hceklkku"ctg"encuukhgf "cu'hqmy u<"

- 5543ZZ "ó"Hqti kpi "cpf "Uco r kpi ="
- 5554ZZ "ó"Kpf wutkcn'O cej kpgt { "O cpwhcewtkpi "
- 5557ZZ "ó'O gvcny qtnkpi "O cej kpgt { "O cpwhcewtkpi "
- 5586ZZ "ó"Cgtqur ceg"Rtqf wev"cpf "Rctw'O cpwhcewtkpi =cpf "
- 6457ZZ "ó'O gvcn'cpf "O kpgtcn"gzegr v'Rgtqrgwo +O gtej cpv"Y j qngucrgtu"

Vcdrg"3/3"kf gpwhku"vj g'pwo dgt"cpf "v { r g"qh'chgevgf "hceklkku"ceeqtf kpi "vq"vj g"PCKEU"eqf g0

**Table 1-1**  
**Number of Affected Facilities per Industry Type Subject to PAR 1407**

NAICS Code	Industry Type	Number of Facilities
553746"	Cmwo kpo "Hqwpf tkgu"gzegr v'F kg/Ecukpi +"	46"
553745"	P qphgttqwu'O gvcn'F kg/Ecukpi "Hqwpf tkgu"	34"
553536"	Ugeqpf ct { "Uo gnkpi "cpf "Cm { kpi "qh'Cmwo kpo "	7"
553733"	Kqp"Hqwpf tkgu"	7"
553444"	Uygn"Y kg"F tcy kpi "	5"
55374; "	Qvj gt"P qphgttqwu'O gvcn'Hqwpf tkgu"gzegr v'F kg/Ecukpi +"	4"
553443"	Tqmgf "Uygn"Uj cr g'O cpwhcewtkpi "	3"
554333"	Kqp"cpf "Uygn"Hqti kpi "	3"
553735"	Uygn'Hqwpf tkgu"gzegr v'Kpxguo gpv"	3"
553734"	Uygn'Kpxguo gpv'Hqwpf tkgu"	3"
554544"	Uj gg v'O gvcn'Y qtni'O cpwhcewtkpi "	3"
555736"	Ur gekcn'F kg"cpf "Vqqn'F kg"Ugv"Li ."cpf "Hkz wt g'O cpwhcewtkpi "	3"
558635"	Qvj gt"Cktetch/Rctw"cpf "Cwzkrct { "Gs vkr o gpv'O cpwhcewtkpi "	4"
645732"	O gvcn'Ugtxleg"Egpvtu"cpf "Qvj gt'O gvcn'O gtej cpv"Y j qngucrgtu"	3"
<b>TOTAL</b>		<b>54 60</b>

## **CHAPTER 2**

---

### **ENVIRONMENTAL CHECKLIST**

**Introduction**

**General Information**

**Environmental Factors Potentially Affected**

**Determination**

**Environmental Checklist and Discussion**

"

**INTRODUCTION**

Vj g"gp~~x~~ktqpo gpv~~n~~'ej gem~~k~~u'r tqxkf gu'c"ucpf ctf "gxc~~n~~vc~~k~~qp"vq~~n~~'vq"kf gp~~v~~kh{ "c"r tqlgev"u"r qv~~g~~pv~~k~~cn' cf xgtug" gp~~x~~ktqpo gpv~~n~~' lo r ceu' Vj ku" ej gem~~k~~u' kf gp~~v~~kh~~g~~u" cpf " gxc~~n~~vc~~g~~u" r qv~~g~~pv~~k~~cn' cf xgtug" gp~~x~~ktqpo gpv~~n~~'ko r ceu'v'j cv'o c{ "dg"etgcvf "d{ "v'j g'r tq~~r~~ qugf "r tqlgev"0"

**GENERAL INFORMATION**

"

Rtqlgev"V <del>k</del> ng<"	<del>F</del> te <del>h</del> " <del>H</del> lpcn' Gp <del>x</del> ktqpo gpv <del>n</del> ' Cu <del>g</del> uuo gpv' hqt" Rt <del>r</del> qugf " Co gp <del>f</del> gf "Tw <del>g</del> "3629"ó"E <del>q</del> pv <del>t</del> qn'qh"Go ku <del>k</del> qp <del>u</del> "qh"Cu <del>t</del> ug <del>p</del> le." Ec <del>f</del> o kwo ."cpf "P <del>l</del> eng <del>n</del> ltqo "P qp/Ej tqo kwo "O g <del>v</del> cn'O g <del>n</del> kpi " Q <del>r</del> g <del>t</del> cv <del>k</del> qp <del>u</del> "
Ngcf "Ci gpe{ "P co g<"	Uq <del>w</del> j "Eq <del>c</del> u <del>v</del> /C <del>k</del> "S w <del>c</del> rk <del>v</del> { "O c <del>p</del> ci go gp <del>v</del> F k <del>u</del> t <del>k</del> ev"
Ngcf "Ci gpe{ "Cf f tguu<"	43: 87"E <del>q</del> r rg{ "F t <del>k</del> xg" F <del>k</del> co qp <del>f</del> "D <del>c</del> t."E <del>C</del> ""; 3987"
EGS C"E <del>q</del> pv <del>c</del> ev'R <del>g</del> tuq <del>p</del> <"	O t0Nw <del>g</del> "G <del>l</del> ug <del>p</del> j ctf v"*; 2; +5; 8/4546"
RCT"3629"E <del>q</del> pv <del>c</del> ev'R <del>g</del> tuq <del>p</del> <"	O t0O k <del>e</del> j c <del>g</del> n'O q <del>t</del> tk <del>u</del> .*; 2; +5; 8/54: 4"
Rtqlgev"Ur qp <del>u</del> qt)u"P co g<"	Uq <del>w</del> j "Eq <del>c</del> u <del>v</del> /C <del>k</del> "S w <del>c</del> rk <del>v</del> { "O c <del>p</del> ci go gp <del>v</del> F k <del>u</del> t <del>k</del> ev"
Rtqlgev"Ur qp <del>u</del> qt)u"Cf f tguu<"	43: 87"E <del>q</del> r rg{ "F t <del>k</del> xg" F <del>k</del> co qp <del>f</del> "D <del>c</del> t."E <del>C</del> ""; 3987"
I gp <del>g</del> tcn'R <del>r</del> cp"F g <del>u</del> ki p <del>c</del> vk <del>q</del> p<"	P q <del>v</del> 'c <del>r</del> r r <del>k</del> ec <del>d</del> rg"
\ q <del>p</del> kpi <"	P q <del>v</del> 'c <del>r</del> r r <del>k</del> ec <del>d</del> rg"
F g <del>u</del> et <del>k</del> r v <del>k</del> qp"qh'Rtqlgev<"	RCT" 3629" cr r r <del>k</del> gu" vq" o g <del>v</del> cn' o g <del>n</del> kpi " q <del>r</del> g <del>t</del> cv <del>k</del> qp <del>u</del> " u <del>w</del> ej " cu" uo g <del>n</del> kpi ." v <del>k</del> pp <del>k</del> pi ." i c <del>r</del> kc <del>p</del> k <del>k</del> pi ." cpf " q <del>v</del> gt" o k <del>u</del> eg <del>n</del> c <del>p</del> g <del>q</del> wu" r t <del>q</del> eg <del>u</del> gu" y j g <del>t</del> g" p <del>q</del> p/ej tqo kwo ." k <del>u</del> v <del>g</del> cf " qh" p <del>q</del> p/h <del>g</del> tt <del>q</del> wu." o g <del>v</del> cn'u <del>w</del> ej "cu"cn <del>w</del> o k <del>p</del> wo ."d <del>t</del> cuu."d <del>t</del> q <del>p</del> l g."e <del>c</del> td <del>q</del> p"u <del>v</del> g <del>g</del> n"cpf "   k <del>p</del> e" ctg" r t <del>q</del> eg <del>u</del> gf " k <del>p</del> " o q <del>n</del> g <del>p</del> " h <del>q</del> to 0' RCT" 3629" t <del>g</del> x <del>k</del> ug <del>u</del> " go ku <del>k</del> qp"uc <del>p</del> f ctf u."g <del>u</del> vc <del>d</del> r <del>k</del> uj gu"o q <del>p</del> k <del>q</del> t <del>k</del> pi " r t <del>q</del> x <del>k</del> uk <del>q</del> pu" h <del>q</del> t" c <del>k</del> " r q <del>m</del> w <del>k</del> qp"e <del>q</del> pv <del>t</del> qn'gs v <del>k</del> r o gp <del>v</del> ."cf f u" d <del>v</del> kr <del>f</del> k <del>p</del> i " g <del>p</del> en <del>q</del> u <del>w</del> t <del>g</del> " r t <del>q</del> x <del>k</del> uk <del>q</del> pu" vq" r <del>k</del> o k <del>v</del> " h <del>w</del> i k <del>k</del> x <del>g</del> " go ku <del>k</del> qp <del>u</del> ." cpf " w <del>r</del> f c <del>v</del> gu" j q <del>w</del> ug <del>n</del> g <del>r</del> k <del>p</del> i ." u <del>q</del> w <del>t</del> eg" v <del>g</del> u <del>k</del> pi ." cpf " o q <del>p</del> k <del>q</del> t <del>k</del> pi ." t <del>g</del> e <del>q</del> t <del>f</del> n <del>g</del> g <del>r</del> k <del>p</del> i ." cpf " t <del>g</del> r q <del>t</del> v <del>k</del> pi " t <del>g</del> s v <del>k</del> t go gp <del>u</del> 0' U <del>q</del> o g" u <del>k</del> gu" c <del>h</del> g <del>e</del> v <del>g</del> f "d{ "RCT"3629"o c{ "dg"kf gp <del>v</del> kh <del>g</del> f "qp"r <del>k</del> u <del>u</del> "eqo r k <del>g</del> f " d{ "v'j g"E <del>c</del> rk <del>h</del> q <del>t</del> p <del>k</del> "F g <del>r</del> ct <del>v</del> o gp <del>v</del> 'qh"V <del>q</del> z <del>k</del> e"U <del>w</del> d <del>u</del> x <del>p</del> eg <del>u</del> "E <del>q</del> pv <del>t</del> qn' r g <del>t</del> "I q <del>x</del> g <del>t</del> po gp <del>v</del> 'E <del>q</del> f g"U <del>g</del> ev <del>k</del> qp"87; 8400' Vj g" c <del>p</del> cn{ u <del>k</del> u"qh' RCT" 3629" k <del>p</del> " v'j g" <del>F</del> te <del>h</del> " <del>H</del> lpcn' GC" f k <del>f</del> " p <del>q</del> v" t <del>g</del> u <del>w</del> n" k <del>p</del> " v'j g" k <del>f</del> gp <del>v</del> h <del>e</del> c <del>v</del> kp"qh"cp{ "gp <del>x</del> ktqpo gpv <del>n</del> 'v <del>q</del> r le"ct <del>g</del> cu"v'j cv'y q <del>w</del> r <del>f</del> " dg"u <del>k</del> i p <del>k</del> h <del>e</del> c <del>p</del> v <del>n</del> "cf xgtug <del>n</del> "c <del>h</del> g <del>e</del> v <del>g</del> f 0'
U <del>w</del> ttq <del>w</del> pf k <del>p</del> i "N <del>c</del> pf "W <del>u</del> gu"cpf " U <del>g</del> w <del>k</del> pi <"	X <del>e</del> tl <del>q</del> wu""
Q <del>v</del> j g <del>t</del> "R <del>w</del> d <del>r</del> ke"Ci g <del>p</del> ek <del>u</del> " Y j q <del>u</del> g"C <del>r</del> r t <del>q</del> x <del>c</del> n'ku" T <del>g</del> s v <del>k</del> t g <del>f</del> <"	P q <del>v</del> 'c <del>r</del> r r <del>k</del> ec <del>d</del> rg"

"



## ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

Vj g"hmmy kpi "gpxkqpo gpvni"ko r cev'tgcu"j cxg"dggp"cuugugf "vq"f gvgto kpg"vj gkt"r qvgpvkcn"vq"dg" chgevgf "d{ " vj g" r tqr qugf " r tqlgv0' Cu" kpf kcvgf " d{ " vj g" ej gemkuv" qp" vj g" hmmy kpi " r ci gu." gpxkqpo gpvni"vqr leu"o ctngf "y kj "cp" \$ \$kpxqkxg"cv" ngcu"v" qpg"ko r cev" vj cv" ku" c" oRqvgpvkcn{ " Uki pkhecpv' K r cev0' Cp" gzerpcvkvq" tgrvkg" vq" vj g" f gvgto kpcvkvq" qh" ko r cev" ecp" dg" hqwpf " hmmy kpi "vj g"ej gemkuv"ht"gej "ctgc0"

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> " Cguyj gvku"  | <input type="checkbox"/> " I gqmi { "cpf "Uqku"                     | <input type="checkbox"/> " Rqr wcvkvq"cpf " J qwukpi "      |
| <input type="checkbox"/> " Ci tlewnwtg"cpf " Hqtgut { "Tguqwtegu"             | <input type="checkbox"/> " J c  ctf u"cpf " J c  ctf qwu'O cvgtkcu" | <input type="checkbox"/> " Rwdrie"Ugtxlegu"                 |
| <input type="checkbox"/> " Ckt "S wcrkv{ "cpf " I tggpj qwug'I cu" Go kuukpu" | <input type="checkbox"/> " J {ftqmi { "cpf "Y cvgt" S wcrkv{ "      | <input type="checkbox"/> " Tgetgcvkqp"                      |
| <input type="checkbox"/> " Dkqmi kecn'Tguqwtegu"                              | <input type="checkbox"/> " Ncpf "Wug"cpf " Rrcppkpi "               | <input type="checkbox"/> " Uqkf "cpf "J c  ctf qwu" Y cuvg" |
| <input type="checkbox"/> " Ewnwtcn'cpf "Vtkdcn" Ewnwtcn'Tguqwtegu"            | <input type="checkbox"/> " O kpgtcn'Tguqwtegu"                      | <input type="checkbox"/> " Vtcpur qtvcvkqp""                |
| <input type="checkbox"/> " Gpgti { "  | <input type="checkbox"/> " P qkug"                                  | <input type="checkbox"/> " Y krf hktg"                      |
| <input type="checkbox"/> " O cpf cvqt { "Hkf kpi u"qh" Uki pkhecpv"           | " "   | " "   |

## DETERMINATION

Qp"vj g"dcuku'qh'vj ku'lpklcn'gxcnvcvqp<

- ☒ " K'hkpf "vj g"r tqr qugf "r tqlgev."lp"ceeqtf cpeg"y kj "vj qug"lpf lpi u'o cf g"r wtuwcpv"vq" EGS C"I v'kf g'p'gu'Ugevkqp"37474."EQWNF "P QV"j cxg"u'ki p'hkcpv'ghhgev"qp"vj g" gpxktqpo gpv."cpf " vj cv" cp" GP XKTQP O GP VCN" CUUGUO GP V" y kj " pq" uki p'hkcpv'ko r cev'j cu'dggp"r tgr ctgf O"
- ☐ " K'hkpf "vj cv'cnj qwi j "vj g"r tqr qugf "r tqlgev"eqwf "j cxg"u'ki p'hkcpv'ghhgev"qp"vj g" gpxktqpo gpv."vj gtg'y kniP QV"dg'uki p'hkcpv'ghhgev"lp"vj ku'ecug"dgecwug'tgxkukqpu" lp"vj g"r tqlgev"j cxg"dggp"o cf g"d{ "qt"ci tggf "vq"d{ "vj g"r tqlgev"r tqr qpgp'Ø Cp" GP XKTQP O GP VCN" CUUGUO GP V" y kj " pq" uki p'hkcpv' ko r cev" y kni" dg" r tgr ctgf O"
- ☐ " K'hkpf " vj cv" vj g" r tqr qugf " r tqlgev" O C[ " j cxg" c" uki p'hkcpv' ghhev"u" qp" vj g" gpxktqpo gpv."cpf "cp"GP XKTQP O GP VCN"CUUGUO GP V"y kni'dg"r tgr ctgf O"
- ☐ " K'hkpf "vj cv"vj g"r tqr qugf "r tqlgev"O C[ " j cxg"u'ki p'hkcpv'ko r cev"qp" vj g" gpxktqpo gpv."dw"cv'ngcu'qpg"ghhev"3+j cu'dggp"cf gs wcvgn{ "cpcn{ | gf "lp"cp" gctrigt" f qewo gpv" r wtuwcpv" vq" cr r r'ecdn" ngi cn' ucpf ctf u" cpf ." 4+" j cu" dggp" cf f tguugf "d{ "o kki cvkqp"o gcuwtgu"dcugf "qp"vj g" gctrigt" cpcn{ uku"cu'f guetldgf "qp" cwcej gf "uj ggwuØ Cp"GP XKTQP O GP VCN"CUUGUO GP V"ku'tgs vkt gf ."dw'k'o wuv" cpcn{ | g"qpn{ "vj g"ghhev"vj cv'tgo clp"vq"dg"cf f tguugf O"
- ☐ " K'hkpf "vj cv'cnj qwi j "vj g"r tqr qugf "r tqlgev"eqwf "j cxg"u'ki p'hkcpv'ghhgev"qp"vj g" gpxktqpo gpv."dgecwug"cm'r qv'p'v'cm{ "uki p'hkcpv'ghhgev"3+j cxg"dggp" cpcn{ | gf " cf gs wcvgn{ " lp" cp" gctrigt" GP XKTQP O GP VCN" CUUGUO GP V" r wtuwcpv" vq" cr r r'ecdn"ucpf ctf u"cpf ."4+"j cxg"dggp"cxqkf gf "qt"o kki cvgf "r wtuwcpv"vq"vj cv" gctrigt"GP XKTQP O GP VCN"CUUGUO GP V."kpenf lpi "tgxkukqpu"qt"o kki cvkqp" o gcuwtgu"vj cv'tg'ko r qugf "wr qp"vj g"r tqr qugf "r tqlgev"pqvj lpi "hwtvj gt'ku'tgs vkt gf O"

Date: Lxpg"49."423;

Signature: \_\_\_\_\_



Dctdctc"Tcf rglp"  
Rtqi tco "Uwr gtxkukt."EGS C"  
Rrcpplpi ."Twrgu."cpf "Ctgc"Uqwtegu"

## ENVIRONMENTAL CHECKLIST AND DISCUSSION

RCT"3629"r tqr qugu"v"guwdrkuj "tgs wkt go gpw"v"tgf weg"ctugple."ecf o kwo ."cpf "plengn"go kuukpu"  
htqo "o gwcn'o gnlpi "qr gtcvkuuO'Cr r ncedrkv{ "gz vgp u"v"hcckkku"y cv'o gn'o gwcn'y cv'eqpvckp"pq"  
o qtg"y cp"20" "ej tqo kwo "eqpvgpv."penw lpi ."dw"pqv'ko kgf "v"cnwo kpwo ."dtcuu."dtqpl g."eqr r gt."  
cpf "l lpeO' Vj gug"hcckkku"lpenw g"ugeqpf ct { "uo gngtu."hqwpf tkgu."f kg/ecuvtu."i cnxcpk lpi "cpf "  
vppkpi "eqcvkpi "qr gtcvkuu."cpf "qy gt'o kuegmcpqgw'r tqeguugu"uwej "cu'fkr "uqrf gtlpi ."dtcl lpi "cpf "  
cnwo kpwo "r qy f gt"eqcvkpi "r tqf wvkuuO'RCT"3629"ku"gunko cvgf "v"dg"cr r ncedmg"v"76"82"o gwcn'  
o gnlpi "hcckkkuO'

Cu'gʒr nɛpɣf "kɛ'Ej cr vɛt 3.'j g'o cɛp'hɛwɛ'qh'RCT"3629'ku'vɔ'tɣf wɛg'r qkɔv'cpf "hwi kɛxg"go kuukpu' qh'ɛtugɛle.'ɛcf o kwo .'cpf'plɛngn'cpf'kɛ'wɛp'o kɛlo kɛ g'r wɛrɛ'j gɛnɔ 'ko r cɛw'd'ɛ'tɣf wɛkpi "gʒr quwɛg" vɔ'vɛzɛ'ɛk't'ɛqpɛo kɛcpw'o'RCT"3629'cɛuq'r tɛr qugu'vɔ'tɛxkug' go kuukap' uɛpf ɛtɛf u.'guɛdɛkɛj' o qpkɛtɛkpi 'r tɛxkuukpu'hɛt'ɛk't'r qɛmwɛq'ɛqɛtɛn'gs wɛr o gɛv.'ɛf f'dwɛf kpi "gɛɛquwɛg'r tɛxkuukpu'vɔ' rɛo k/hwi kɛxg'go kuukpu.'cpf'wɛ f ɛvɛ'j quwɛngɛr kpi .'uɛwɛg'vɛuɛkpi .'cpf'o qpkɛtɛkpi .'tɛɛtɛf nɛgɛr kpi .' cpf'tɛr qɛtɛkpi 'tɛs wɛt go gɛw'o'ko r ngo gɛvɛkpi 'RCT'3629'y qwɛf'dɛ'gʒr gɛwɛf'vɔ'tɛguwɛ'kɛ'uɔo g'hɛɛkɛkɛg'u' o cɛnɛkpi "dwɛf kpi "ko r tɛxgo gɛw'vɔ'o gɛv'y g'gɛɛquwɛg'tɛs wɛt go gɛv'cpf "y g'cɛvɛkɛkɛg'u'cuuɛkɛvɛf " y kɛj' o cɛnɛkpi 'y gɛg'r j { uɛɛɛn'ɛj cɛi gu'o c { 'cɛuq'ɛtɛgɛv'ugeɛpf ɛt { 'ɛf xɛtug'gɛxɛtɛqo gɛvɛn'ko r cɛw'o' Uɛo kɛɛnɛf .'cɛvɛkɛkɛg'u'cuuɛkɛvɛf 'y kɛj "ɛqɛf wɛvɛkpi "uɛwɛg'vɛuɛ'cpf'uo qɛg'vɛuɛ'cpf'ko r ngo gɛvɛkpi " j quwɛngɛr kpi 'tɛs wɛt go gɛw'o c { 'cɛuq'ɛtɛgɛv'ugeɛpf ɛt { 'ɛf xɛtug'gɛxɛtɛqo gɛvɛn'ko r cɛw'o'

Y j kg'vj gtg'ctg'qvj gt'tgs wktgo gpw'lp RCT"3629"vj cv'ctg'pgeguuct { "vq'uwr r qtv'eqr r nkpegy kj 'vj g"  
twrg. "vj g'hqmvy kpi "eqo r qpgpw'qh"RCT"3629"ctg'cf o kpmtcvxg"qt'r tqegf wtcr'kp'pcwtg'cpf "cu"  
uwej . "y qwrf "pqv'dg"gzr gevfg "vq"ecwug"cp { "r j { ulecn'ej cpi gu< "tgxkukpi . "c f f kpi . "qt"f grgvkpi "  
f ghpkvkpu="emtkh{kpi "crr ncedkkr{ = cf f kpi "vguv'o gvj qf u="eqpf wevkpi "o ppxkqlkpi "qh"go kukqp"  
eqmgevqp" u{ vgo u" cpf" go kukqp" eqpvtn' f gxlegu= nggr kpi " tgeqtfu=" cr r n{kpi " hqt" r gto kv'  
crr ncedkvpu=cpf 'rtgr ct{kpi "cpf'uwdokvkpi "uqwteg'vukpi 'rtqweqn0Cu'uwej . 'vj gug'eqo r qpdpwu'qh"  
RCT"3629'y qwrp'pqv'dg"gzr gevfg "vq"etgcvg'cp { 'lugeqpf ct { 'cf xgtug'gpxktapo gpvcnk'o r cev0"

Hqt"vj gug"tgcuppu."vj g"cpn{uku"kp"vj ku"Hpcn"F"teh"GC"qewugu"qp"vj g"r qvwpkn"ugeqpf ct{"cf xgtug"  
gpxktqpo gpvkn"ko r cew"cuuqekcvgf"y kj "rj {ulecn"cevxklgu"cuuqekcvgf"y kj "eqputwevpi "dwnf lpi "  
gperuwtgu"cpf "kpucn"lpi "go kuukp"eqpvtqn"f gxlegu."eqpf wevpi "uqwtg"vguu"cpf "uo qng"vguu."cpf "  
ko r ngo gpvpi "j qwugnggr lpi "tgs wkt go gpw0Vj g"hg{"eqo r qpqpwa"qh"RCT"3629"vj cv'tg"gzr gevfg"vq"  
kpxqmg"rj {ulecn"cevxklgu."vj g"pwo dgt "fcekklgu"ch"gevgf"d{"gcej "rtqxkukp"ctg"uwo o ct{k gf "kp"  
Vcdmg"4/30'

Uwdugs wgpv'vq"vj g'ektewrcvqp"qh"vj g"F tch'GC"ht"r wdike"eqo o gpv'cpf "tgxkgy ."ugxgtcn'ej cpi gu" y gtg"o cf g"vq"RCT"36290'Ur gekhlecml ."vj g'hcekrkv/y kf g"go kuukap"rko ku"ht"cm'hwtpcegu'y gtg" tgxkugf ."cpf 'ej cpi gf 'htqo "c'o qpjv n' 'rko k'vq'cp"j qwn' 'rko k0Hwtvj gt."uqwteg'vukpi 'tgs wkt go gpu" y gtg'tgxkugf 'vq'ugv'o kpklo wo "uco r ng'xqmw gu'y j kej 'y knicmny 'ht'b'cuu'go kuukap'rko k'eqo r rkepeg" y j gp"uco r ng"eqepgpvcvkapu"ctg"f gveto kpgf "vq"dg"dgmy "vj g"o gvj qf "f gvgevkp"rko k'f wtkpi " rcdqtcvt {"cpcn'uku0'P wo gtqwu"gf kqtkcn'tgxkukpu."enctkhlecvkpu."cpf "wr f cvgu"vq"gpj cpeg"twng" gphqtegcdkrkv "y gtg"cnq"o cf g0'Ukz"cf f kkapcn'hcekrkvku"y gtg"kf gpvkhgf "cu"dgkpi "uwdlgev"vq"vj g" tgs wkt go gpu'qh"RCT"36290'Cu"t'guwn'qh'hwvjt gt'tghkpggo gpv'qh'hcekrkv" f cvc."wr f cvgu"vq"vj g"ckt" s wrkv' "cpf 'I J I ."gpgti {"cpf 'wtepur qtcvkvap'cpcn'uku'y gtg'b'cf g0J qv gxgt. f gur kg'vj gug'wr f cvgu." vj g'ro r cew'qp'c'r gcmf'c {"tgo clpgf "vj g'uco g0Vj g'eqpenwukpu'qh'ngu"vj cp'uki plhcecpvko r cew'vq" vj g'vqr leu'qh'ckt"s wrkv' "cpf 'I J I ."gpgti {"cpf 'wtepur qtcvkvap'cu'y gmv'vj g'qvj gt"37'gpvktqpo gpvcn' vqr le'ctgcu'tgo clp'wpej cpi gf 0'

Vj wu "uchhu"tgxky "qh"j g"o qf hkecvkpu"vq"RCT"3629"ulpeg"vj g"F tch"GC"y cu'tgrgcugf "lpf lecvg" vj cv'pqpq"qh"j g"t guwnkpi "tgxkukpu"vq"vj g"F tch"GC"3+"eqpukwwg"uki pkhecpv'pgy "kphqto cvkqp"4+" eqpukwwg"cu'wduwcpv'kpi'kpetgcug"kp"vj g"ugxgtkf "qh"cp"gpv'kqpo gpv'kko rcev"qt."5+"rtqxf g"pgy "kphqto cvkqp"qh"u'wduwcpv'kpi'ko r qtv'peg"tgrv'xg"vq"vj g"F tch"GC"0"kp"cf f kkkp."tgxkukpu"vq"vj g" r tqr qugf "r tqlgv'kp"tgr qpug"vq"xgtdcn'qt"y tkwgp"eqo o gpv'f wtkpi "vj g"twg"fgxgmqr o gpv'r tqeguu" y qwr "pqv'etgcvg"pgy ."cxqkf cdrg"uki pkhecpv'ghgevu0Cu"cu't guwn"vj gug"tgxkukpu"vq"pqv'tgs wkt g" tgektewrvkqp"qh"j g"F tch"GC"r wduwcpv'vq"EGS C"i wk gkpgu"Ugevkpu"372950"cpf "372: : 00"

**Table 2-1**  
**Key Components of PAR 1407 with Physical Effects on Affected Facilities**

PAR 1407 Category	Number of Affected Facilities	Potential Physical Effects on Affected Facilities
Uwdf kxkukp"if <" Go kuukp"Eqpvtqn' Tgs wktgo gpv"	6"	32"go kuukp"eqpvtqn'f gxlegu"gd 0"dcj qwugu+y knipggf "vq"dg'lpucmgf "cv'hqwt" hcekrkku0'
Uwdf kxkukp"ig <" J qwugnggr kpi " Tgs wktgo gpv"	76"82"	Y j kg'pgctn' "cmf hcekrkku"ewtgpv' "eqpf wev'uqo g"j qwugnggr kpi . "RCT"3629" eqpvc'kpu'pgy "j qwugnggr kpi "tgs wktgo gpv."cu'hqntqy u<" 30Eqpf wev'y ggm' "engcpkpi "hqt"ctgcu'y j gtg'hwtpceg"cpf "ecukpi "qr gtcv'kpu" qeewt"cpf "y cug"i gpgtcvgf "hqt"j qwugnggr kpi "cevk'kku'ku'wqtf g" "f kur qugf "qh" tgeqxtgf . "qt"tge { engf = " 40Eqpf wev'y ggm' "engcpkpi "qh'hqecv'kpu'y j gtg'eww'kpi "cpf "i tlpf kpi "qeewt = " 50Eqpf wev's wctv'gtn' "engcpkpi "cpf "kpur gev'gs wkr o gpv'cv'cmf hcekrkku"vj cv' ewtgpv' "qr gtcv'g'qt"y kni'qr gtcv'g"go kuukp"eqpvtqn'f gxlegu"= 60Engcp. "wukpi "cp"cr r tqxgf "o gvj qf . "vj g'ctgcu'eqpvc'kpi "f gr qukkp"qh" hwi kxg"o gvcn'f wuv'go kuukpu'y kj kp'qpg'j qwt "qh"cp"gxgpv'vj cv't guwmu'kp"vj g" f wuv'go kuukpu"= 70Tgo qxg'y gvj gt'ecr u'y cv't guwlev'vj g'hqy "qh'gzj cwuv'qp"cp { "uceni'vj cv'ku"cu" uqwtg"qh'go kuukpu'htqo "pqp/ej tqo kwo "o gvcn'o gnkpi "qr gtcv'kpu"= 80Uqtg"cpf "t'cpur qtv'uri . "j qwugnggr kpi "y cug."cpf "dwkf kpi "gpenquwtg" eqpvtwv'kpu"cpf "o c'kpgpcpeg"o cvgt'kni'y kj kp'emqugf "eqpxg { gt"u' ugo u. "kp" eqxgtgf "eqpvc'kpu" "qt"y kj kp"cu'dwkf kpi "gpenquwtg"="cpf " 90Engcp"cm'ctgcu'y j gtg'hwtpceg."ecukpi . "o gvcn'eww'kpi "cpf "o gvcn'i tlpf kpi " qr gtcv'kpu"qeewt"y kj qw'wukpi "f t { "engcpkpi " "qt"eqo r tguwgf "ck"engcpkpi 0'
Uwdf kxkukp"ih <" Dwkf kpi " Gpenquwtg" Tgs wktgo gpv"	3÷"36"	Qxgtmrr kpi "r m'wke'wtkr r kpi "cv'gpt { y c { u'qt'qm'w "f qqtu"vq"o k'plo k' g'etquu" f tch'u'y knipggf "vq"dg'lpucmgf "kp"qtf gt"vq"eqo r n' "y kj "dwkf kpi "gpenquwtg" tgs wktgo gpv0'
	6"	Vy q'pgy "y cmu'r gt'hcekrkku"y knipggf "vq"dg'eqpvtwv'g' "vq"ucv'kuh' "gpenquwtg" tgs wktgo gpv0'
Uwdf kxkukp"ih <" Go kuukp"Eqpvtqn' F gxleg" O qpkqtkpi ""	÷"35"	O qpkqtkpi "gs wkr o gpv'cpf "cpgo qo gvgtu'hqt"35÷"hcekrkku"y kj "go kuukp" eqpvtqn'f gxlegu'y kni'dg'pggf "vq"dg'lpucmgf 0"kp"cf f kkkp."3÷"4: "dcj j qwug'ngcni' f gvgevkpu"u' ugo u'y kj "4: "r tguwgf i cwi gu'y kj "cpf "3÷"4: "f cv'ces wukukp" u' ugo u'y knipggf "vq"dg'lpucmgf 0'
Uwdf kxkukp"ij <" Uqwtg"Vgukpi "	35"45"	43÷57"kp'kcn'uqwtg"v'guu'y knipggf "vq"dg'eqpf wev'g' hqt"43÷57"gs wkr o gpv'wpku" d { "Icpwct { "3."4243."y kj "cf f kkkp'cn'uqwtg"v'gukpi "tgs wktgf "gxgt { "82"o qp'vj u" vj gtgchgt0'
Cwcej o gpv'D<" Uo qng"Vguv"	3÷"4: "	Uo qng"v'guu'y knipggf "vq"dg'eqpf wev'g' "cv'gcej "hcekrkku" "qpeg"gxgt { "ukz"o qp'vj u" vq"fgv'go kpg"ghgevkxg"go kuukp"eqpvtqn'f gxleg"qr gtcv'kpu0'

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS.</b>					
c+	J c x g " c " u w d u c p v k c n " c f x g t u g " g h g e v " q p " c " u e g p l e " x k u c A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	U w d u c p v k c m { " f c o c i g " u e g p l e " t g u q w t e g u . " k p e n x f k p i . " d w p q v h k o k g f " v q . " t g g u . " t q e m " q w e t q r r k p i u . " c p f " j k u q t l e " d w k f k p i u " y k j k p " c " u c v g " u e g p l e " j k i j y c { A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+	K p " p q p / w d c p k g f " c t g c u . " u w d u c p v k c m { " f g i t c f g " y g " g z k u k p i " x k u w c n e j c t c e v g t " q t " s w c r k v { " q h " r w d r k e " x l g y u " q h " y j g " u k g " c p f " k u " u w t t q w p f k p i u A " " * R w d r k e " x l g y u " c t g " y j q u g " y j c v " c t g " g z r g t k e p e g f " h t q o " r w d r k e n { " c e e g u k d r g " x c p v c i g " r q k p v " u 0 " " K i " y j g " r t q l g e v " k u " l p " c p " w d c p k g f " c t g c . " y q w f " y j g " r t q l g e v " e q p h k e v " y k j " c r r n e c d r g "   q p k p i " q t " q y g t " t g i w c v k p u " i q x g t p k p i " u e g p l e " s w c r k v { A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+	E t g c v g " c " p g y " u q w t e g " q h " u w d u c p v k c n i k i j v " q t " i n c t g " y j k e j " y q w f " c f x g t u g n { " c h g e v " f c { " q t " p k i j w k o g " x l g y u " l p " y j g " c t g c A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Vj g'r tqr qugf "r tqlgev"ko r cewu"qp"cguy g'leu'y kn'dg"eqpukf gtgf "uki pkhecpv'kh"

/ Vj g'r tqlgev'y kn'dmnen'xlg y u'htqo "c"uegple"j ki j y c { "qt"eqttkf qt0'

/ Vj g'r tqlgev'y kn'cf xgtugn { "chge v'y g'xkuwcn'eqpvpwkv { "qh'y g'uwtqwpf kpi "ctgc0'

/ Vj g'ko r cewu"qp"rki j v'cpf "i nctg"y kn'dg"eqpukf gtgf "uki pkhecpv'kh"y g'r tqlgev'cf f u'rki j v'kpi "y j lej "y qwf "cf f "i nctg"v'gukf gpvcn'ctgcu"qt"ugpukxg'tgegr vqtu0'

### Discussion

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf"plengn'htqo "pqp/ej tqo kwo "o gvcn' o gmkpi "qr gtcvkpu"d { "tgxkukpi "go kuukqp"ucpf ctf u."guvdrkuj kpi "o qpkqtkpi "r tqxkukpu"htq"ctk" r qmwwkp"eqpvtqn'gs wkr o gpv."cf f kpi "dwkf kpi "gpenquwtg'r tqxkukpu"v'ko k'hw kxg"go kuukpu."cpf" wr f c v k p i " j q w u g n g r k p i . " u q w t e g " v g u k p i . " c p f " o q p k q t k p i . " t g e q t f n g g r k p i . " c p f " t g r q t v k p i " t g s w k t g o g p w 0 Q h " y g " 7 6 ' 8 2 " h c e k n k l g u " l p " U q w j " E q c u v " C S O F a u " l w t k u f l e v k p " y j c v t g " u w d l g e v " v " R C T " 3 6 2 9 . " c m 7 6 ' 8 2 " h c e k n k l g u " y q w f " d g " t g s w k t g f " v q " e q p f w e v " j q w u g n g r k p i . " h q w " h c e k n k l g u " y q w f " p g g f " v q " k p u c m " g o k u k q p " e q p t q n f g x l e g u " \* g 0 0 " d c i j q w u g u . " h q w " h c e k n k l g u " y q w f " p g g f " v q " e q p u t w e v " d w k f k p i " g p e n q u w t g u . " 3 ; - " 3 8 " h c e k n k l g u " y q w f " p g g f " v q " o c n g " o k p q t " k o r t q x g o g p w . " 3 ; - " 3 5 " h c e k n k l g u " y q w f " d g " t g s w k t g f " v q " e q p f w e v " r g t k q f l e " u o q n g " v g u u . " g l i j - " 3 5 " h c e k n k l g u " y q w f " p g g f " v q " k p u c m " g o k u k q p " e q p t q n f g x l e g " o q p k q t k p i " g s w k r o g p v . " c p f " 3 5 " 4 5 " h c e k n k l g u " y q w f " d g " t g s w k t g f " v q " e q p f w e v " r g t k q f l e " u q w t e g " v g u k p i 0'

"  
**I. a), b), c) & d) "No Impact.** Vq"tgf weg"hw kxg"ctugple."ecf o kwo ."cpf "plengn'o kuukpu"htqo " chhgevgf "hcekkkgu."hwt"hcekkkgu"y qwf "pggf "vq"o cng"lpucm"y q"y cm"cpf "3;-38"hcekkkgu"y qwf " pggf "vq"o cng"o kqat "ko r tqxgo gpw"vq"eqo r n"y kj "dwkf lpi "gpenqwtg"tgs wktgo gpw."cpf "hwt" hcekkkgu"y qwf "pggf "vq"lpucm'dci j qwugu"vq"eqo r n"y kj "y g"go kuukqp"rko ku"lp"RCT"36290Vj g" wug"qh"j gcx { /f w" "eqputwekqp"gs wkr o gpv"wej "cu"htmkhu."tcevtuhtqcf gtukdcen"j qgu."cpf "ego gpv" o kzgtu"y km'dg"pggf gf "vq"o cng"y gug"r j { uecn"ej cpi gu"cv"y g"chhgevgf "hcekkkgu"Vj g"eqputwekqp" gs wkr o gpv"ku"gzr gevfg "vq"dg"ny "lp"j gli j v"cpf "pqv"uuducpvcn" "xkudng"vq"y g"uwtqwpf lpi "ctgc"fg" vq"eqputwekqp"qewttlpi "y kj lp"gej "gzkupi "hcekkkgu"r tqr gtv" "npg."gzkupi "hgepki "cnpki " r tqr gtv" "npgu."cpf "gzkupi "utwewtgu"ewtgpw"y kj lp"gej "hcekkkgu"u"dqwpf ctgu"y cv"o c { "dwhgt" y j"xlgy u"qh"y g"eqputwekqp"cevkxkgu"0"

"  
 Ukpeg"y j g"chhgevgf "hcekkkgu"ctg"nqecvgf "lp"gzkupi "lpf wutkcn"ctgu."y j g"eqputwekqp"gs wkr o gpv"ku" pqv"gzr gevfg "vq"dg"uuducpvcn" "f kugtpcdng"htqo "qy gt"qh"tqcf "gs wkr o gpv"y cv"gzkuu"qp/ukg"htq" tqwlpq"qr gtcvkpu"cpf "o clpvgpcpeg"cevkxkgu"0Hwt j gt."y j g"eqputwekqp"cevkxkgu"ctg"pqv"gzr gevfg " vq"cf xgtugn" "ko r cev"xlgy u"cpf "cguj g"ku"tguwtegu"ukpeg"o quv"qh"y j g"eqputwekqp"gs wkr o gpv"cpf " cevkxkgu"ctg"gzr gevfg "vq"qewt"y kj lp"y j g"eqphkgu"qh"gej "gzkupi "hcekkkgu" "cpf "ctg"gzr gevfg "vq" lptqf weg"qpn" "o kqat "xkucn"ej cpi gu"vq"ctgu"qwukf g"gej "hcekkkgu" "kh"cv"cm" "f gr gpf lpi "qp"y j g" nqecvkqp"qh"y j g"eqputwekqp"cevkxkgu"y kj lp"gej "chhgevgf "hcekkkgu" "O"Kp"cf f kkgp."y j g"eqputwekqp" cevkxkgu"ctg"gzr gevfg "vq"dg"vgo r qtct { "lp"pcwtg"cpf "y km"egcug"htqny lpi "y j g"eqo r ngvqp"qh"y j g" dwkf lpi "gpenqwtgu"cpf "dci j qwug"lpucm"vkpu"0Qpeg"eqputwekqp"ku"eqo r ngvgf ."cm"eqputwekqp" gs wkr o gpv"y km"dg"tgo qxgf "htqo "gej "hcekkkgu" "O"Eqputwekqp"ku"gzr gevfg "vq"dg"eqo r ngvgf "d { " Lcpwct { "3."42430Qpeg"eqputwekqp"qh"y j g"dwkf lpi "gpenqwtgu"cpf "lpucm"vkqp"qh"y j g"dci j qwugu"ku" eqo r ngvgf ."y gug"ej cpi gu"y qwf "dg"gzr gevfg "vq"tgf weg"r ctvewrcvg"go kuukpu"cpf "o kpklo k g"etqu/ f tch"eqpf kkgpu."y wu"ugt xkpi "vq"r tgxgpv"xkudng"go kuukpu"htqo "pqp/ej tqo kwo "o gcn"o gnkpi " qr gtcvkpu"cv"y j g"chhgevgf "hcekkkgu"0"

"  
 Eqputwekqp"qh"y j g"dwkf lpi "gpenqwtg"o qf kkecvkpu."lpucm"vkqp"qh"dci j qwugu."cpf "y j g"tgo qxcn" qh"y gcvj gt"ecr u"y km"tguw"lp"urki j v"ej cpi gu"vq"y j g"cr r gctcpeg"qh"y j g"chhgevgf "hcekkkgu"0J qy gxgt." f wg"vq"y j g"pcwtg"qh"y j g"o qf kkecvkpu"cpf "dci j qwug"lpucm"vkpu."cp { "cngt gf "cr r gctcpegu"y km'dg" o kqat "cpf "y km"pqv"uuducpvcn" "cngt"y j g"xkucn"ej ctcevg"qh"y j g"gzkupi "hcekkkgu"0"

"  
 Ukpeg"pqpq"qh"y j g"76"82"chhgevgf "hcekkkgu"ctg"nqecvgf "y kj lp"y j g"xlgy u"qh" "uegple"xluc"qt "ucvg" uegple"j ki j y c { ."ko r ngo gpv"vkqp"qh"RCT"3629"y qwf "j cxg"pq"uuducpvcn"cf xgtug"ghhgevg"qp"uegple" xkucn"qt "qy gt"uegple"tguwtegu."lpemf lpi ."dw"pqv"rko kgf "vq."tggg."tqem"qwtqr r lpi u."cpf "j kxqtle" dwkf lpi u"y kj lp" "c"ucvg"uegple"j ki j y c { "O"CNq."cm"76"82"qh"y j g"chhgevgf "hcekkkgu"ctg"nqecvgf "lp" wtdcpk gf "ctgu."cpf "cp { "ej cpi gu"vq"y j g"dwkf lpi u"qt"utwewtgu"y km"tgs wktg"cr r tqxcn"htqo "y j g" nqecn"ek" "qt"eqwp" "r nppkpi "f gr ctvo gpw"0Vj gtghgtg."RCT"3629"y qwf "pqv"dg"gzr gevfg "vq"eqphkev" y kj "cr r ncedng"l qpkpi "qt"qy gt"tgi wrcvkpu"i qxgtpkpi "uegple"s wcrk { "0"

"  
 RCT"3629"cnq"eqpvkpu"tgs wktgo gpw"htq"eqpf wvki "j qwugngr lpi ."o clpvgpcpeg"cpf "uqwtg"vgu"0 Vj gug"cevkxkgu"y qwf "dg"ny /r tqhkg"y qwf "dg"gzr gevfg "vq"drpgf "lp"y kj "tqwlpq" "f c { /vq/f c { " cevkxkgu"y kj lp"y j g"hgpegrkpg"qh"gej "chhgevgf "hcekkkgu" "0Vj gtghgtg."j qwugngr lpi ."o clpvgpcpeg"cpf " uqwtg"vgukpi "y km"pqv"dg"gzr gevfg "vq"ecwug"cp { "f kugtpcdng" "cguj g"ke"ko r cev"0"

"  
 RCT"3629"fgu"pqv"lpemf g"cp { "eqo r qpgpw"y cv"y qwf "tgs wktg"eqputwekqp"cevkxkgu"vq"qewt"cv" plki j w"htq j gt."ekkgu"qh"gp"j cxg"y j g"kt"qy p"rko kcvkpu"cpf "r tqj kdkkpu"y cv"tguwtevg"eqputwekqp" htqo "qewttlpi " f wtkpi " gxgpkpi " j qwtu" cpf " y ggngpf u" Vj gtghgtg."pq" cf f kkgpcn" vgo r qtct { " eqputwekqp"rki j vki "cv"y j g"hcekkkgu"y qwf "dg"gzr gevfg "0J qy gxgt."kh"hcekkkgu" "qr gtcvtu"fgvgo kpg" y j cv"y j g"eqputwekqp"uej gf wrg"tgs wktgu"plki j wko g"cevkxkgu."vgo r qtct { "rki j vki "o c { "dg"tgs wktgf "0"

"

P qpgj gguu. "ulpeg"eqpwtwekq "cevkklgu"y qwf "dg"eqo r ngvnl "mcevgf "y kj kp "vj g"dqwpf ctkgu"qh" gcej "chgevgf "hceklv{."cf fklqpcn'vgo r qtct{ "rki j vpi "ku"pqv'gxr gevgf "vq"dg"f kuegtpcdrng"ltqo "vj g" gzklvpi "r gto cpgpv'pki j v'ri j vpi 0Hqt"vj gug'tgcuqpu."vj g'r tqr qugf "r tqlgevy qwf "pqv'etgcvg"cpgy " uqwtg"qh'lwducpv'cnhki j v'qt'i nrtg'cv'cp{ "qh'vj g"chgevgf "hceklvklgu"kp"o cpggt"vj cvy qwf "cf xgtugn{ " chgevgf c{ "qt'pki j wko g'xkgy u'kp"vj g'lwttqwpf lpi "ctgcu0"

### Conclusion

Dcugf "wr qp"vj gug"eqpukf gtcvklpu. "uki plhcepv"cf xgtug"cguy g'leu"ko r cevu"ctg"pqv'gxr gevgf "ltqo " ko r rgo gpvpi "RCT"36290Ukpeg"pq"uki plhcepv'cguy g'leu"ko r cevu"y gtg"kf gpvklhgf. "pq"o kki cvklp" o gcuwgu"ctg"pgeguuct{ "qt'tgs wktgf 0"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>II. AGRICULTURE AND FORESTRY RESOURCES.</b> Y qwf "vj g'r tqlgev<					
c+	Eqpxgtv' Rtlo g" Hcto rcpf." Wpks wg" Hcto rcpf." qt" Hcto rcpf" qh' Ucvgy kf g" Ko r qtwcpeg" *Hcto rcpf +." cu" uj qy p" qp" vj g" o cru" rtgr ctgf" r wtuwcpv' vq" vj g" Hcto rcpf" o cr r lpi" cpf" O qpkqtkpi" Rtqi tco "qh" vj g" Ecrkhtpke" Tguqwtugu" Ci gpe{."vq"pqp/ci tlewnwtcn'wugA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	Eqphrlev' y kj " gzknkpi "   qpkpi " hqt" ci tlewnwtcn'wug."qt" c"Y knkco uqp"Cev' eqptcevA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+	Eqphrlev' y kj " gzknkpi "   qpkpi " hqt." qt" ecwug" tg  qpkpi " qh" hqtguv' rcpf " *cu" f ghkpgf " kp" Rwdrle" Tguqwtugu" Eqf g" È34442* i ++."vko dgtncpf " *cu" f ghkpgf " d{ " Rwdrle" Tguqwtugu" Eqf g" È6748+." qt" vko dgtncpf "   qpgf " Vko dgtncpf " Rtqf wevkqp " *cu" f ghkpgf " d{ " I qxgtpo gpv' Eqf g' È73326* i ++A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f +	Tguwn' kp" vj g" nquu" qh' hqtguv' rcpf " qt" eqpxgtukqp"qh'hqtguv'rcpf "vq"pqp/hqtguv'wugA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+	Kpxqrkg" qy gt" ej cpi gu" kp" vj g" gzknkpi " gpxktqpo gpv' y j lej ." f wg" vq" vj gkt" nqecvkqp"qt"pcwtg."eqwf "tguwn"kp"vj g" eqpxgtukqp" qh' Hcto rcpf." vq" pqp/ ci tlewnwtcn'wug"qt"eqpxgtukqp"qh'hqtguv' rcpf "vq"pqp/hqtguv'wugA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Significance Criteria**

Rtqlgevtgrvfg "lo r ceu"qp"ci tlewnwtg"cpf "hqtguv'tguqwtugu'y kn'dg"eqpukf gtgf "uki phkecpv'kh'cp{ " qh'vj g'hqmuy lpi "eqpf kkpqu'ctg"o gv<

- / Vj g'r tqr qugf "r tqlgev"eqphrlevu"y kj "gzknkpi " | qpkpi "qt"ci tlewnwtcn'wug"qt"Y knkco uqp"Cev' eqptcev0'
- / Vj g'r tqr qugf "r tqlgev'y kn'eqpxgtv'r tlo g'hcto rcpf."wpks wg'hcto rcpf"qt"hcto rcpf"qh'ucvgy kf g" ko r qtwcpeg"cu"uj qy p"qp"vj g"o cru"rtgr ctgf"r wtuwcpv'vq"vj g'hcto rcpf"o cr r lpi" cpf"o qpkqtkpi " r tqi tco "qh"vj g'Ecrkhtpke" Tguqwtugu" Ci gpe{."vq"pqp/ci tlewnwtcn'wug0'
- / Vj g'r tqr qugf "r tqlgev"eqphrlevu"y kj "gzknkpi " | qpkpi "hqt."qt"ecwugu"tg| qpkpi "qh" hqtguv'rcpf " \*cu" f ghkpgf " kp"Rwdrle" Tguqwtugu"Eqf g"È34442\* i ++."vko dgtncpf " \*cu" f ghkpgf " kp"Rwdrle" Tguqwtugu" Eqf g'È6748+."qt"vko dgtncpf " | qpgf "Vko dgtncpf "Rtqf wevkqp " \*cu" f ghkpgf " d{ " I qxgtpo gpv'Eqf g" È73326\* i ++0'



"

/ Vj g'r tqr qugf "r tqlgev'y qwf "lpxqrg"ej cpi gu"lp"vj g"gzkupi "gpxkqpo gpv"y j lej "f wg"vq"vj gk" mecvkqp"qt"pcwtg."eqwf "tguwn"lp"eqpxgtukp"qh"Hcto rcpf "vq"pqp/ci tlewnwtcrfwug"qt"eqpxgtukp" qh"htguv"rcpf "vq"pqp/htguv"wg0"

## Discussion

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn"ltqo "pqp/ej tqo kwo "o gcn" o gnkpi "qr gtcvkpu"d{ "tgxkupi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpkqtupi "r tqxkukpu"ht"ckt" r qmwkqp"eqpvtqngs wkr o gpv."c f f kpi "dwkf kpi "gperquwtg"r tqxkukpu"vq"iko k'hw kkg"go kuukpu."cpf " w f c kpi " j qwugnggr kpi ." uqwtg" vgnkpi ." cpf " o qpkqtupi ." tgeqtf nggr kpi ." cpf " tgr qt v kpi " tgs wkt go gpw0Qh"vj g"76"82"hekkkku"lp"Uqwj "Eqcu"CS O F au"lwtkf levkp"vj cv'tg"uwdlgev"vq"RCT" 3629."cm76"82"hekkkku"y qwf "dg'tgs wkt gf "vq"eqpf wev"j qwugnggr kpi ."hqt"hekkkku"y qwf "pggf "vq" kpuvcm"go kuukp"eqpvtqnf gxlegu"0"0"dcj j qwugu."hqt"hekkkku"y qwf "pggf "vq"eqpwtwev"dwkf kpi " gperquwtgu."3;-38"hekkkku"y qwf "pggf "vq"o cng"o kpat"ko r tqxgo gpw."3;-35"hekkkku"y qwf "dg" tgs wkt gf "vq"eqpf wev"r gkqf le"uo qng"vguu."gk-j-35"hekkkku"y qwf "pggf "vq"kpucm"go kuukp"eqpvtqnf f gxleg"o qpkqtupi "gs wkr o gpv."cpf "35"45"hekkkku"y qwf "dg'tgs wkt gf "vq"eqpf wev"r gkqf le"uqwtg" vgnkpi 0"

**II. a), b), c), d), & e)"No Impact.** Vj g"chgevgf "hekkkku"cpf "vj gk"lo o gf kcvgn"lwttqwpf kpi "ctgcu" ctg"pqv"mevvgf "qp"qt"pgct"ctgcu" qpgef "ht"ci tlewnwtcrfwug."Rtko g"Hcto rcpf ."Wpks wg"Hcto rcpf ."qt" Hcto rcpf "qh"Ucvgy kf g"K r qtcpeg"0"Hcto rcpf +."cu"uj qy p"qp"vj g"o cr u"r tgr ctg"r wtuwcpv"vq"vj g" Hcto rcpf "o cr r kpi "cpf "O qpkqtupi "Rtqi tco "qh"vj g"Ecrtkqtpk"Tuquwtegu"Ci gpe{0"Vj gtghqtg."vj g" r tqr qugf "r tqlgev'y qwf "pqv"tguwn"lp"cp{ "eqpwtwevkp"qh"pgy "dwkf kpi u"qt"qj gt"utwewtgu"vj cv" y qwf "tgs wkt g"eqpxgtupi "hcto rcpf "vq"pqp/ci tlewnwtcrfwug"qt"eqphrev'y kj " | qpkpi "ht"ci tlewnwtg" wug"qt"0"Y knko uqp"Cev"eqpvtce0"Vj g"eqpwtwevkp"cpf "qr gtcvkp"cevkxkku"y qwf "dg"gzr gevvgf "vq" qeew"y kj kp"vj g"eqphkpu"qh"gzkupi "lpf wutkcrhekkkku."vj wu"vj g'r tqr qugf "r tqlgev"ku"pqv"gzr gevvgf " vq" tguwn" lp" eqpxgtupi " hcto rcpf " vq" pqp/ci tlewnwtcrfwug="eqphrev" y kj " gzkupi " | qpkpi "ht" ci tlewnwtcrfwug."qt"0"Y knko uqp"Cev"Eqpvtqnf0"

"

Cm'qh"vj g"hekkkku"ctg"mevvgf "lp"lpf wutkcrfwug"ctgcu"lp"vj g"wtdep"r qt vkp"qh"vj g"Dcu"vj cv"ku"pqv" pgct"htguv"rcpf 0"Vj gtghqtg."vj g'r tqr qugf "r tqlgev"ku"pqv"gzr gevvgf "vq"eqphrev'y kj "gzkupi " | qpkpi " hqt." qt" ecwug" tgl qpkpi " qh" htguv" rcpf " \*cu" fghkpgf " kp" Rwdrke" Tuquwtegu" Eqf g" Ugevqp"34442\*1 ++."ko dgtncpf "cu" fghkpgf "d{ "Rwdrke"Tuquwtegu"Eqf g"Ugevqp"6748+."qt"ko dgtncpf " | qpgef "Vlo dgtncpf "Rtqf wevkp"cu" fghkpgf "d{ "I qxgtpo gpvEqf g"Ugevqp"73326\*1 ++."qt"tguwn"lp"vj g" mquu"qh"htguv"rcpf "qt"eqpxgtukp"qh"htguv"rcpf "vq"pqp/htguv"wg0"Eqpugs wgpv."vj g'r tqr qugf " r tqlgev'y qwf "pqv"etgcvg"cp{ "uki pkhecpv"cf xgtug"ci tlewnwtg"qt"htguv{ "ko r cev0"

"

## Conclusion

Dcu"v"wr qp"vj gug"eqpukf gtcvkpu."uki pkhecpv"cf xgtug"ci tlewnwtg"cpf "htguv{ "tguwtegu"ko r cev" ctg"pqv"gzr gevvgf "ltqo "ko r ngo gpv kpi "RCT"36290"Upeg"pq"uki pkhecpv"ci tlewnwtg"cpf "htguv{ " tguwtegu"ko r cev"y gtg"kf gpvkhgf ."pq"o kki cvkqp"o guwtgu"ctg"pgeguuct{ "qt"tgs wkt gf 0"

"

"

"

"

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>III. AIR QUALITY AND GREENHOUSE GAS EMISSIONS.</b>				
Y qwf "vj g'r tqlgev<				
c+ Eqphrlev'y kj "qt"qduwv'ko r ngo gpwvqp" qh'vj g'cr r rlecdrg'ck's wcrk' r rcpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+ Tguwv'lp'c'ewo wcrk'gn' "eqpukf gtdrg'pgv' kpetgcug" qh' cp{ " etkgtk' r qmwcpv' hqt" y j k'j " vj g' r tqlgev' tgi kqp" ku" pqp/ cwclpo gpv'wpf gt'cp'cr r rlecdrg'hgf gtrclqt" ucvg'co dkgpv'ck's wcrk' 'ucpf ctf A"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+ Gzr qug'ugpukxg"tgegr vqtu"vq'uwducpv'cn' r qmwcpv'eqpegpvcv'kpuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f+ Etgcvg' qdlgev'kpcdr' qf qtu" ch'gev'kpi " c" uwducpv'cn'pwo dgt'qh'r gqr rga"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g+ Fko kpkuj "cp"gzkukpi "ck's wcrk' "twrg"qt" hwwt'g'eqo r rlcpeg'tgs wktgo gpv'tguwv'kpi " kp" c" uki p'k'ecpv' kpetgcug" kp" ck" r qmwcpv'u+A"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h+ I gpgtcv'g" i tggpj qwug" i cu" go kukqpu." gk'j gt" f'k'gevn' " qt" kpf k'gevn' " vj cv" o c{ " j cxg" c" uki p'k'ecpv' ko r cev" qp" vj g" gp'x'k'qpo gpvA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i + Eqphrlev'y kj "cp'cr r rlecdrg'r rcp."r qrl'k{ " qt'tgi wcrk'p'cf q'v'gf "hqt"vj g'r wtr qug'qh' tgf w'k'pi " vj g' go kukqpu" qh' i tggpj qwug" i cuguA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Significance Criteria**

Vq'f gvgto kpg'y j gyj gt'qt'p'qv'ck's wcrk' { "cpf" i tggpj qwug" i cu'ko r cew'ltqo 'ko r ngo gpv'kpi "RCT"3629" ctg'uki p'k'ecpv'ko r cew'y kn'dg'gxcwcv'gf "cpf" eqo r ctgf "vq'vj g'etkgtk'kp"Vcdrg'4/40RCT"3629'y kn' dg'eqpukf gtgf "vq"j cxg'uki p'k'ecpv'cf xgtug'ko r cew'lt'cp{ "qpg"qh'vj g'vj tguj qrf u'kp"Vcdrg'4/4"ctg" gs wcrf "qt"gzeggf gf 0"

**Table 2-2**  
**South Coast AQMD Air Quality Significance Thresholds**

Mass Daily Thresholds <sup>a</sup>		
Pollutant	Construction <sup>b</sup>	Operation <sup>c</sup>
NO <sub>x</sub>	322"ndulf c{ "	77"ndulf c{ "
VOC	97"ndulf c{ "	77"ndulf c{ "
PM <sub>10</sub>	372"ndulf c{ "	372"ndulf c{ "
PM <sub>2.5</sub>	77"ndulf c{ "	77"ndulf c{ "
SO <sub>x</sub>	372"ndulf c{ "	372"ndulf c{ "
CO	772"ndulf c{ "	772"ndulf c{ "
Lead	5"ndulf c{ "	5"ndulf c{ "
Toxic Air Contaminants (TACs), Odor, and GHG Thresholds		
TACs" *kpenwf kpi "ectekpqi gpu"cpf "pqp/ ectekpqi gput"	O czko wo "kpetgo gpwriEcpegt"Tkunl×"32"lp"3"o krikqp" Ecpegt"Dwtf gp"@207"gzegui"ecpegt"ecugu"*kp"ctgcu"×"3"lp"3"o krikqp+" Ej tqple"( "Cewg"J c  ctf "kpf gz"×"302"*r tqlgev"ketgo gpv+"	
Odor	Rtqlgev"etgcvgu"cp"qf qt "pwkucpeg'r wtucpv"q"Uqwj "Eqcu"CS OF "Twrq"624"	
GHG	32.222"O Vll{ t"EQ4gs "hqt"lpf wwtkrihcekrkkgu"	
Ambient Air Quality Standards for Criteria Pollutants <sup>d</sup>		
NO <sub>2</sub> " " 3/j qwt"cxgtci g" cppwcri'ctkij o gvk"o gcp"	Uqwj "Eqcu"CS OF "ku"lp"cwckpo gpv=r tqlgev"ku"uki p"hecpv"ki"kw"ecwugu"qt" eqpukdwgu"q"cp"gzeggf cpeg"qh'y g"hqmqy kpi "cwckpo gpv"ucpf ctf u< 208: "rro "ucvg+" 2025"rro "ucvg+"cpf "202756"rro "hgf gtcn"	
PM <sub>10</sub> " 46/j qwt"cxgtci g" cppwcri'cxgtci g"	" 3206"µi lo 5"*eqputwewkqp+"g"( "407"µi lo 5"*qr gtcvkqp+" 302"µi lo 5"	
PM <sub>2.5</sub> 46/j qwt"cxgtci g"	" 3206"µi lo 5"*eqputwewkqp+"g"( "407"µi lo 5"*qr gtcvkqp+"	
SO <sub>2</sub> 3/j qwt"cxgtci g" 46/j qwt"cxgtci g"	" 2047"rro "ucvg+(" "20297"rro "hgf gtcn"6"; ; y "r gtegpwrg+" 2026"rro "ucvg+"	
Sulfate 46/j qwt"cxgtci g"	" 47"µi lo 5"*ucvg+"	
CO" " 3/j qwt"cxgtci g" :/j qwt"cxgtci g"	Uqwj "Eqcu"CS OF "ku"lp"cwckpo gpv=r tqlgev"ku"uki p"hecpv"ki"kw"ecwugu"qt" eqpukdwgu"q"cp"gzeggf cpeg"qh'y g"hqmqy kpi "cwckpo gpv"ucpf ctf u< 42"rro "ucvg+"cpf "57"rro "hgf gtcn" ; 02"rro "ucvg"lhf gtcn"	
Lead" 52/f c{ "Cxgtci g" Tqmkpi "5/o qpvy "cxgtci g"	" 307"µi lo 5"*ucvg+" 2037"µi lo 5"*hgf gtcn"	

c" Uqwt eg<"Uqwj "EqcuVCS OF "EGS C"J cpf dqgm\*Uqwj "EqcuVCS OF."3; ; 5+

<sup>d</sup> "Eqaputwexq"v'j tguj qnf u'cr r n' "q"daq'v'j g"Uqwj "Eqcu'v'k' "Dcu'p'cpf "Eqcej gnr "Xcmg{ "Ucnap' "Ugc"cpf "Oqlcxg'F gugt'v'k' "Dcu'p'u'0"

e" Hqt'Eacej gm'Xcmg{.'v j g'o cuu'f ckn' 'v j tgui qrf u'hqt"gr gte'vap"ctg'v j g'uco g'cu'v j g'eqpwtwe'vap"v j tgui qrf u'O'

<sup>f</sup> Co dlep'vck's wcrk' 'i t'gwi qrf u'ha't'et'kgt'k'r' amwcpw'dcu'g' 'ap' 'Uawi 'Eacu'CS OF 'Twp'3525. 'Vedp'C/4'woreu'u'qvi gty kug'ucw'f O'

g" "Co dlepv'ck's wewk' 'i t'gui an' 'dcugf 'ap' 'Uawj 'Eaguv'CS OF 'Twp'6250'

MGL <    mɯlʃc{ }?rəwɸu'rət'fɕ{ }      rro ?'rɕtu'rət'o lənən"      ui b<sup>5</sup>? "o letai tco 'rət'exwle'o xwt"

" " O VI(t "EO<sub>4</sub>gs"? "o gtle "qpu'r gt" { gct "qh'EO<sub>4</sub>'gs wlx.cmpw"

Tgxkukqp<"Cr tkn"423; "

×<sup>100</sup>? "i t gcygt "vi cn"at "gs wcn"va"

@? "i t gcvgt"ij cp"



Vcdrg"4/5"lwo o ctk gu'vj g'ng{ 'tgs wktgo gpw'lp'RCT'3629'vj cv'bo c{ 'tguwn'lp'ugeqpf ct{ 'cf xgtug'ckt " s wcrk{ 'cpf 'i tggpj qwug'i cu'f J I +ko r cew'f wtkpi "eqputwekqp"cpf "qr gtcvqp0"

**Table 2-3**  
**Sources of Potential Secondary Adverse Air Quality and GHG Impacts**  
**During Construction and Operation**

Key Requirements in PAR 1407	Physical Effects Anticipated During:	
	Construction	Operation
Go kukqp"Eqpvtqri" Tgs wktgo gpw"	Go kukqp'u'itqo "xgj kerg"v'kr u" cpf "eqputwekqp"gs wkr o gpv" vq'lpucm'32"dcj j qwugu'cv'6" hcekrkkgu"	30 Xgj kerg"go kukqp'u'itqo " v'cpur q'v'kpi "kpetgcugf " co qwpw'qh'dci j qwug" y cug'hqt'f'kr qucn'cpf kqt" tge{ erkpi " 40 Grgv'lek{ "vq'r qy gt" dcj j qwug"
J qwugnggr kpi "Tgs wktgo gpw"	Go kukqp'u'itqo "eqputwekqp" gs wkr o gpv'vq'tgo qxg'y gc'vj gt" ecr u"	P q'ej cpi g'itqo "gzkukpi " ugw'kpi "ukpeg"ergcpkpi "cpf " q'vj gt"j qwugnggr kpi "cevkxkkgu" ecp'dg'r gthqto gf "d{ "gzkukpi " uvch"
Gpenquwtgu"	Go kukqp'u'itqo "xgj kerg"v'kr u" cpf "eqputwekqp"gs wkr o gpv" vq'< 30 Eqpvtwev'4'y cmu'cv'gcej " qh'vj g'6"hcekrkkgu="cpf " 40 lpucm'itqm'wr "f'qqtu"qt" r n'uke'v'kr r kpi "cv'3;-38" hcekrkkgu0'	P q"qr gtcvqp'ncr'ko r cew"
Go kukqp"Eqpvtqri"Fxleg" O qpkqtkpi "Gs wkr o gpv"	Go kukqp'u'itqo "xgj kerg"v'kr u" vq'f'grkxgt'cpf "lpucm" gs wkr o gpv"	P q"qr gtcvqp'ncr'ko r cew"
Uqwtg"cpf "Uo qng"Vgukpi "	P qpg"	Go kukqp'u'itqo "xgj kerg"v'kr u" vq'r gthqto "r g'kqf le"vgu"

Hqt"vj g'r wtr qug"qh'eqpf wekpi "c'y qtu'vecug"EGS C"cpn'uku'hqt"vj g'76"82"hcekrkkgu"vj cv'y km'dg" uwdlgev'vq'RCT'3629."vj g'hqmy kpi "cuwo r v'kpu'j cxg'dggp"o cf g<

### **Housekeeping**

- Cn'76"82" hcekrkkgu" y km' dg" tgs wktgf " vq" r gthqto " j qwugnggr kpi 0' Vj g" o clqtk{ " qh" j qwugnggr kpi "tgs wktgo gpw'ctg'g'zr gev'f "vq'dg'eqo r r'gv'f "d{ "gzkukpi "uvch"lwej "vj cv'pq'bgv " xgj kerg"v'kr u"y qwr "dg"pggf gf "cpf "pq'pgy "ckt"s wcrk{ "ko r cew"y km'qewt0'Dgecwug"gej " ch'gev'f "hcekrk{ "ewt'gpv' "j cu'r g'kqf le"y cug"eqngev'qp"cevkxkkgu"qewt'kpi "cu'r ctv'qh'vj g" gz'kukpi "ugw'kpi . "pq"cf f'k'k'p'ncr'y cug"qt"j cw'kpi "v'kr u'ctg"cp'v'kr cv'gf "vq'dg"p'gegu'ct{ ""cu"c" tguwn'qh'eqpf wekpi "t'qwk'pg"j qwugnggr kpi "cevkxkkgu"tgs wktgf "d{ "RCT'36290"

- Cmi'hcekkkku'y kni'dg'tgs wktgf "v"tgo qxg'y gcvj gt"ecr u"vj cv'tguv'kv'y g'hmqy "qh'gzj cwuv'qp" cp{ "ucem'vj cv'ku"uqwtg'qh'go kuukpu'htqo "pqp/eq tqo kwo "o gcn'o gmkpi "qr gtcv'kpu'0Vj g" pwo dgt"qh'gzj kmp "y gcvj gt"ecr u"v"dg'tgo qxgf "ku'pqv'npqy p0Tgo qxcn'qh'y gcvj gt"ecr u" ecp'dg'cee qo r rkuj gf "y kj kp"t'v'co qwpv'qh'vko g'y kj "vj g'wug'qh'grgetle"qt"o cpwen'j cpf " vqqu."rcf fgtu."cpf "c"o kpo cn'pwo dgt"qh'qp/ukg'y qtngtu" \*g0 0"qpg'v'q'v'q"go r m{ ggu+0Vj g" cpcn' uku'cuuwo gu'bp'i cuqkpg'qt'f'kgug/hwgrf "eqputwe'v'kp'gs vkr o gpv'qt'cf f'kkqpcn'xgj keng" vkr u'y kni'dg'pgeguuct { "v"cee qo r rkuj "vj ku'vun0

### **Emission Control Device Monitoring Equipment**

- ~~43-35~~ "hcekkkku'y kni'dg'tgs wktgf "v"kpucm'cpgo qo gvgtu" \*g0 0"qpg"cpgo qo gvgt"r gt" hcekkk { "0Cf f'kkqpcn' . "cv'vj gug" ~~43-35~~ "hcekkkku" 3; 4: "dci "rcn'f'gvgv'kpu"u'vgo u'y kj " r tguuwtg'i cwi gu'cpf "f'cvc"ces vkuukqp"u'vgo u'y kni'pggf "v"dg"kpucn'f'0Vj g"kpucm'v'kp"qh" cpgo qo gvgtu. "dci "rcn'f'gvgv'kpu"u'vgo u."r tguuwtg'i cwi gu."cpf "f'cvc"ces vkuukqp"u'vgo u" ecp'dg'cee qo r rkuj gf "y kj kp"t'v'co qwpv'qh'vko g'y kj "vj g'wug'qh'grgetle"qt" o cpwen'j cpf "vqqu."rcf fgtu."cpf "c"o kpo cn'pwo dgt"qh'eqputwe'v'kp"y qtngtu'0Vj g"cpn' uku' cuuwo gu'vj cv'v'q'eqputwe'v'kp"y qtngtu'y kni'eqo o wg"cr r tqzko cvgn' "52"o kgu'tqwpf "vkr " gcej "f'c { "d { "f'tkkpi "i cuqkpg/hwgrf "xgj kengu'y kj "cp"cxgtci g'hwn'geqpqo { "qh'43"o kgu'r gt" i cmup "o ri "cpf "qpg'y qtngt'y kni'f'tkg"cxgtci g'xgf qt "v'wen'37"o kgu'tqwpf "vkr "y kj "cp"cxgtci g" hwn'geqpqo { "qh'88"o ri "0

### **Source Testing and Smoke Tests**

- 43-57 "uqwtg'v'guu'ht"43-57"gs vkr o gpv'wpku'y kni'pggf "v"dg"eqpf we'v'g'cv'35-45 "hcekkkku." y kj "vj g'kp'kcn'uqwtg'v'guu'v"dg'eqo r rvgf "d { "Lcpwct { "3."4243"cpf "cf f'kkqpcn'uqwtg'v'guu'pi " tgs wktgf "gxgt { "82"o qpj u'vj gtgchgt. "cv'gcej "hcekkk { "0Qy pgtulqr gtcv'qtu'qh'ch'gvgf "hcekkkku" y qwr "dg'gzr gvgf "v"j ktg"uqwtg'v'guu'pi "eqo r cp { "v"q'f'q'v'g'y qtn'0Vj ku'cpcn' uku'cuuwo gu" vj cv'qpg'rkj j v'f'w { "uqwtg'v'guu'pi "v'wen'y kj "c"hwgn'geqpqo { "cxgtci kpi "43"o ri "cpf "qpg" o gf kwo "f'w { "o ckp'v'cpeg"v'wen'y kj "c"hwgn'geqpqo { "cxgtci kpi "32"o ri "y kni'gcej "f'tkg" cr r tqzko cvgn' "62"o kgu'tqwpf "vkr "v"eqpf we'v'g'v'guu'cv'gcej "hcekkk { "0
- 3; "35" "hcekkkku'y kni'dg'tgs wktgf "v"eqpf we'v'uo qng'v'guu'gxgt { "ukz"o qpj u'0Vj ku'cpcn' uku' cuuwo gu'vj cv'qpg'rkj j v'f'w { "v'guu'pi "v'wen'y kj "c"hwgn'geqpqo { "cxgtci kpi "43"o ri "y kni'f'tkg" cr r tqzko cvgn' "62"o kgu'tqwpf "vkr "v"eqpf we'v'g'v'guu'cv'gcej "hcekkk { "0

### **Enclosures**

- 45-3: "hcekkkku'y kni'pggf "v"o cng'vj g'hmqy kpi "rj { ulecn'o qf kkecv'kpu'lp"qtf gt "v"eqo r n { " y kj "vj g'dwkr kpi "gpenquwtg'tgs wktgo gpv'lp"RCT"3629<"
  - Hqwt "hcekkkku'y kni'pggf "v"eqputwe'v'v'q'pgy "y cmu"r gt "hcekkk { "0Eqputwe'v'kp"ku" cuuwo gf "v"tgs wktg"qpg"etcp. "qpg"htmkh. "cpf "qpg"y grf gt "cv'gcej "qh'vj g'hqwt" hcekkkku'0Gcej "r kgeg'qh'gs vkr o gpv'ku'cuuwo gf "v"dg'qr gtcv'g'ht'hqwt'j qwtu'r gt "f'c { ." hqt "hxg"f'c { u'0Vj tgg"eqputwe'v'kp"y qtngtu"r gt "hcekkk { "ctg"cuuwo gf "v"eqo o wg" cr r tqzko cvgn' "52"o kgu'tqwpf "vkr "gcej "f'c { "f'tkkpi "xgj kengu'y kj "cp"cxgtci g'hwn' geqpqo { "qh'43"o ri "0"cf f'kkq. "vj g'cpcn' uku'cuuwo gu'vj cv'qpg'y qtngt'y kni'f'tkg"cxgtci g'xgf qt "f'grkgt { "v'wen'cpf "qpg'y qtngt'y kni'f'tkg"cxgtci g'xgf { "f'w { "j cwkpi "v'wen'gcej " y kj "cp"cxgtci g'hwn'geqpqo { "qh'88"o ri "hqt"c"fk'v'cpeg'qh'37"o kgu'cpf "62"o kgu" tqwpf "vkr . "tgr gvgxgn' "r gt "hcekkk { "0

"

- 3; "38" hcekkkgu'y knipggf "v" gkj gt "kpucm'qxtgr r kpi 'r mule'utkr r kpi 'qp'gpt { y c { u' qt "tqm'w' f qqtu" v" o kpo k g' etquu' f tchu' Vj gug' kpucm'vqpu' ctg' cuwo gf "v" dg' ceeqo r rkuj gf 'y kj kp' c' tgrv' xgn' 'uj qt' vco qwpv' qh' vko g' y kj "grgevtke' qt' o cpwcn' cpf' " vqnu. " ncf fgtu. " cpf' " c" o kpo cn' pwo dgt "qh' eqputwevqp" y qtngtu' Vy q' y qtngtu' ctg' cuwo gf "v" eqo o wg' cr r tqzko cvgn' "52" o kgu' tqwpf "vkr" gcej "f c { 'f tklpi 'xgj kengu' y kj "cp' cxgtci g' hwgn' geqpqo { "qh' 43" o ri 0 k' c f f kklp. "v' g' cpcn' uku' cuwo gu' yj cv' qpg' y qtngt' y kni' f tkg' c" xgpf qt' "tven' y kj "cp' cxgtci g' hwgn' geqpqo { "qh' 808" o ri " cr r tqzko cvgn' "37" o kgu' tqwpf "vkr" r gt' hcekkk' 0"

### **Emission Control Devices (Baghouses)**

- Hqwt' hcekkkgu'y knipggf "v" kpucm' 32" go kuukqp' eqpvtqn' f gxlegu' v' eqo r n' "y kj "RCT" 3629" cpf' "v' g' cpcn' uku' cuwo gu' yj cv' dci j qwugu' y kni' dg' v' g' v' g' pqrqi { "ugrgevgf' hqt' kpucm'vqp' 0' Gcej " dci j qwug' ku' cuwo gf "v" eqpvc' 6.222" us wctg' hggv' qh' hcdtke' 0' Gcej " dci j qwug' ku' g' zr gevgf' "v' tgs vktg' cr r tqzko cvgn' "46" y cwu' qh' grgevtke' r qy gt' "v" qr gtcvg' 0'
- Kpucm'vqp' qh' qpg' dci j qwug' y kni' tgs vktg' qpg' cgt' kni' h' ckt' eqo r tguuqt. 'hqt' m' k' h' c' p' f' y' grf' gt. " qr gtcv' kpi' "hqt' j' qwtu' r' gt' f' c { 'hqt' h' x' g' f' c { u' 0' h' qt' g' c' j' dci j qwug' kpucm'vqp. 'h' x' g' y' qtngtu' ctg' cuwo gf "v" eqo o wg' cr r tqzko cvgn' "52" o kgu' tqwpf "vkr" gcej "f c { 'f tklpi 'xgj kengu' y kj "cp' cxgtci g' hwgn' geqpqo { "qh' 43" o ri . "cpf' qpg' y qtngt' y kni' f tkg' c' xgpf qt' "tven' y kj "cp' cxgtci g' hwgn' geqpqo { "qh' 808" o ri "c' f' k' v' c' p' e' g' qh' 37" o kgu' tqwpf "vkr" r gt' ch' g' e' v' g' f' h' c' e' k' k' k' 0"
- Dci j qwugu' y kni' gp' g' t' v' g' cr r tqzko cvgn' "qpg' c f f kklp' c n' f' t' w' o " \*2047" ewdle" { ctf + "qh' y' cuvg' r' gt' " gxgt { "v' tgg" o qp' y' u' r' gt' dci j qwug' 0' Vj g' cpcn' uku' cuwo gu' yj cv' v' g' c f f kklp' c n' y' cuvg' y' kni' dg' eqmgevgf' "cpf' j' cwrgf' "cy c { "qpeg" gxgt { "v' tgg" o qp' y' u' r' gt' hcekkk' "d { "c" o gf kwo / f w { "tven' y kj "cp' cxgtci g' hwgn' geqpqo { "qh' 32" o ri . "t' c' x' g' n' kpi' "62" o kgu' tqwpf "vkr" 0'
- Vj g' cpcn' uku' cuwo gu' yj cv' qpg' c f f kklp' c n' go r n' { gg' o c { "dg' j' k' gf' "v" qr gtcvg' cpf' "o c' k' v' c' k' p' v' yj g' pgy' dci j qwugu' v' dg' kpucm' g' f' cv' h' qwt' hcekkkgu' 0"

### **Timing of Construction and Operation Activities**

RCT" 3629" y kni' tgs vktg' dwkf kpi " gperquwtgu" v' dg' eqputwevgf " d { " Lwn { " 3. " 42420' k' c f f kklp. " ko r rgo gp' v' kqp" qh' j qwug' n' g' r kpi " tgs vktgo gpw. " kpucm'vqp" qh' dci j qwugu' cpf " o qpkqtkpi " gs vkr o gpv' eqo r r' g' v' kqp' qh' l' u' q' w' t' e' g' v' g' u' kpi " cpf' uo qm' g' v' g' u' kpi " ctg' tgs vktg' f' v' dg' eqo r r' g' v' g' f' d { " Lcpwct { " 3. " 42430' Vj gtghqtg. " v' g' cpcn' uku' cuwo gu' yj cv' eqputwevqp" ce' v' k' k' k' u' v' q" ko r rgo gpv' yj g' chqtgo gp' v' kqp' g' f' tgs vktgo gpw' y kni' q' x' g' t' r' r' y kj " gcej " q' y' gt. " cpf' "v' cv' uqo g' eqputwevqp" ce' v' k' k' k' u' v' o c { " q' x' g' t' r' r' y kj "v' g' eqpf vevkpi "qh' k' p' k' c' n' l' u' q' w' t' e' g' v' g' u' u' 0'

Vj g' eqputwevqp" ko r ce' v' cpcn' uku' cuwo gu' yj cv' eqputwevqp" y kni' v' c' n' g' h' x' g' f' c { u' v' q' eqo r r' g' v' g' y' q' y cmi' v' q' uc' kuh { " gperquwtg' tgs vktgo gpw. " cpf' h' x' g' f' c { u' v' q' kpucm' c' dci j qwug' v' uc' kuh { " go kuukqp' eqpvtqn' f' gxleg' tgs vktgo gpw' 0' Dgecwug' uqo g' hcekkkgu' y knipggf "v" kpucm' b' v' n' k' r' g' dci j qwugu' ku' yj g' cpcn' uku' cuwo gu' yj cv' yj g' kpucm'vqpu' y kni' q' e' e' w' t' kp' u' g' t' k' u' y kj "pq' o qtg' v' cp' qpg' kpucm'vqp' cv' c' vko g' r' gt' hcekkk' 0' RCT" 3629" tgs vktgu' dwkf kpi " gperquwtgu" v' dg' eqo r r' g' v' g' f' ukz' o qp' y' u' d' gh' qtg' yj g' go kuukqp' eqpvtqn' f' gxlegu' cpf' "o qpkqtkpi " gs vkr o gpv' pggf "v" dg' kpucm' g' f' 0' j qy gxgt. "k' l' u' r' quukdr" yj cv' uqo g' qt' cm' qh' yj g' ch' g' e' v' g' f' h' c' e' k' k' k' u' v' o c { " e' j' q' q' u' g' v' q' eqo r n' " g' c' t' n' " y kj "cm' RCT" 3629" tgs vktgo gpw' \*g' 0' d' gh' qtg' Lwn { " 3. " 4242-0' Y j k' g' yj g' r' q' v' g' p' v' c' n' l' h' t' cm' eqputwevqp" ce' v' k' k' k' u' v' y qwr' " q' x' g' t' r' r' " cv' yj g' uco g' vko g' ku' v' p' r' k' n' g' f' . " cu' c' y' q' t' u' v' e' c' u' g' u' e' g' p' c' t' k' . " yj g' cpcn' uku' cuwo gu' yj cv' y' q' gperquwtgu" \*eqputwevqp" qh' y' q' y cmi' . " hqwt' gperquwtg' ko r t' q' x' g' o gpw' \*tqm' w' f' qqtu' qt' r' mule"

utkr u+ "hwt" dci j qwugu" cpf "hwt" ugu" qh" go kuukqp" eqpvtqnl'f gxleg" o qpkqtłpi "gs wkr o gpv" y km' dg" kpuwngf "qp" yj g' uco g' f c { 0

Qr gtcvkpcn' ko r ceu" y km' tguwn' hto "xgj kerg" vkr u" cuuqekvgf "y kj "eqpvtcevqtu" j ktf "v" r gthqto " uqwtg" vguu" cpf "uo qng" vguu. "j cwłpi "vkr u" v' f grkxgt "uwr r rkgu" cpf lqt' tgo qxg' y cuw' hto "dci j qwugu. " cpf "grgevtłkx" "wuci g' hto "qr gtcvkpi "dci j qwugu 0Vj g" cpcn' uku" cuuwo gu" yj cv' y q" uqwtg" vguu. "y q" uo qng" vguu. "cpf "qpg" uwr r n' "qt' y cuw' j cwłpi "vkr "y km' qeewt "qp" c' r gcnif c { 0C' r gcnif c { "y km' qeewt" chgt "twg" cf qr vkp "dw" r tkt "v" "Lcpwt { "3. "4243" \*gđ 0" yj g' r gtlqf "qh" vko g" y j gp" cm' 43" 57" kpkłcn' uqwtg" vguu" ct g' tgs wkt gf "v" dg" eqpf wevgf +0

Cf f kłkpcn' . "dgecwug" qh' yj g' chgt go gpvkpgf "vko kpi "cuuqekvgf "y kj "yj g" eqputwevkp" uej gf wrgu. "kv" kł' r qułkdg. "yj qwi j "gzvto gni "wprkngn' . "yj cv' r' gcnif eqputwevkp" f c { "cpf "r gcnif gtcvkpcn' f c { "eqwf" qeewt "qp" yj g' uco g' f c { 0Vj g' r gcnif gtcvkpcn' ko r ceu' ct g' g' r gevgf "v" qeewt "f vłkpi "yj g' kpkłcn' uqwtg" vguu" r' gtlqf "gđ 0" dgw ggp "twg" cf qr vkp "cpf "Lwn' "3. "4242+0Uko kctn' . "yj ku' uco g' r gtlqf "qh" vko g" ku' y j gp" cm' qh' yj g' eqputwevkp" ko r ceu' ct g' g' r gevgf "v" qeewt 0Vj g' thgtg. "c" r gcnif c { "f vłkpi "yj g" eqputwevkp" cpf "qr gtcvkpcn' qxgtmr "r j cuw' ku" eqo r tkgf "qh" "yj g" eqputwevkp" qh' yj q" dwkf kpi " gperquwtgu" \*eqputwevkp" qh' yj q" y cmu+ "hwt" gperquwtg" ko r tqxgo gpw" \*qm' w' "f qqtu" qt "r rucle" utkr u+ "hwt" dci j qwugu" cpf "hwt" ugu" qh" go kuukqp" eqpvtqnl'f gxleg" o qpkqtłpi "gs wkr o gpv" yj q" uqwtg" vguu. "y q" uo qng" vguu. "cpf "qpg" uwr r n' "f grkxgt { "qt' y cuw' j cwłpi "vkr "y km' qeewt "qp" c' r gcnif c { 0

### Construction and Operational Impacts

Etłktłc" r qmwcpv' go kuukpu" y gtg" ecrewvvgf "hqt" cm' qh' tqcf "eqputwevkp" gs wkr o gpv' cpf "qp/ tqcf" xgj kergu" vcpur qtłpi "y qtngtu. "xgpf qtu. "cpf "o cvgtłcn' tgo qxcn' cpf "f grkxgt { "f vłkpi "eqputwevkp" włkpi "yj g" Ecrłhtłpkł "Go kuukpu" Guvko cvqt "O qf gmđ " \*EcrGGO qf + "xgtukp" 423805040Vj g' f gvckgf " qwr w' tgr qt v' hqt "yj g" EcrGGO qf <sup>33</sup> "twpu' ct g' kpenw' gf "lp" Crr gpf kł "D0Vj g' hmqy kpi "vcdngu" r tguv' yj g' "tguvnu" qh' yj g' eqputwevkp" ckt "s wcrkx" { "cpcn' uku" d { "r j cuw' 0Crr gpf kł "D" cnuq" eqpvłku" yj g" ur tgcf uł ggu' y kj "yj g' tguvnu" cpf "cuuwo r vkpu" wugf "hqt" yj ku' cpcn' uku' "

Vqcn' qr gtcvkpcn' go kuukpu" y gtg" guvko cvgf "włkpi "go kuukp" hcevqtu" hqt" qp/ tqcf "xgj kergu" hto " ECTD" GO HCE4239<sup>34</sup> "hqt" yj g' hmqy kpi "o qdłkrg" uqwtg" < "j gcx { / f wł "f kguv' hmgf "v wemu" wugf "v" j cwłdci j qwug' y cuw. "o gf kwo / f wł "f kguv' hmgf "v wemu" wugf "v" f grkxgt "gs wkr o gpv' cpf "uwr r rkgu" cpf "r tqxłf g" uqwtg" vguu" kpi "uwr r qtv" rł j v' f wł "i cuv' kpg/ hmgf "r cuvgpi gt" xgj kergu" wugf "hqt" vcpur qtłpi "y qtngtu" v' "hckłkłgu" lp" qtf gt "v" kpuwcm' gs wkr o gpv' qt "dwkf kpi "gperquwtgu. "cu' y gni' cu" eqpf wev' uqwtg" vguu" cpf "uo qng" vguu 0Vcdng" 4/6" uwo o ctłk gu' yj g' r gcnif ckt "go kuukpu" cuuqekvgf " y kj "eqputwevkp" cev' kłkłgu" qeewtłkpi "cv' cm' chgevgf "hckłkłgu" "

<sup>33</sup> EcrGGO qf "ku' c' ucvgy kł g' rcpf "wug" go kuukpu" eqo r wgt "o qf gni' guki pgf "v" r tqxłf g' c' wplłqto "r rchqto "hqt" i qxgtpo gpv' ci gpelgu. "rcpf "wug" r rcpptu. "cpf "gpłkqpo gpv' r tqłguuqpcn' v' s wcpłłh' "r qvgv' kł r etłktłc" r qmwcpv' cpf "I J I "go kuukpu" cuuqekvgf "y kj "dqj "eqputwevkp" cpf "qr gtcvkpu" hto "c" xctłgv' "qh' rcpf "wug" r tqłgeu' "

<sup>34</sup> Vj g' GO HCE "go kuukpu" o qf gni' f g' xgr r gf "cpf "wugf "d { "ECTD" v' cuuvgu" go kuukpu" hto "qp/ tqcf "xgj kergu" kpenw' kpi "ectu. " v wemu. "cpf "dwugu" lp' Ecrłhtłpkł 0K' uł qwr "dg" pqvgf "yj cv' GO HCE4239" j cu' pqv' { gv' dggp' cr r tqxgf "d { "WUOGRC" dw' f qgu' r tqxłf g" yj g' hvgu" go kuukp" hcevqtu" c' xckłdng 0j w r ułly y y 0tđ 0cđ qx b ułkłcvgi qłkgu' vo %qptqcf ao qv' taxgi kergu" "



### Peak Daily Construction Emissions by Pollutant (lb/day)

Construction Activity	VOC	NOx	CO	SOx	PM10	PM2.5
Kpucm'3'Dci j qwug"	2072"	5089"	5075"	2023"	2048"	2043"
Eqputwev'3'Dwxf kpi "Gperquwtg" *4"Y cmu+"	2068"	6079"	4077"	2023"	2049"	2045"
Qpg'O gf kwo /F w{ "Xgpf qt "VtweniVtkr "vq" F grkxgt "Go kuukqp "EqputqniF gxleg" O qpkqtkpi "Gs wkr o gpv'qt "Tqm/wr "F qqtu"qt" Rrcuke "Utkr u"	2023"	2022"	2027"	2022"	2022"	2022"
Qpg'Nki j vF w{ "Cwq "Y qtngt "Vtkr "vq" Kpucm'Go kuukqp "EqputqniF gxleg" O qpkqtkpi "Gs wkr o gpv'qt "Tqm/wr "F qqtu"qt" Rrcuke "Utkr u"	2024"	208; "	2032"	2022"	2024"	2023"
Uwdvqcn'E'Eqputwev'Qpg "Gperquwtg. "Kpucm' Qpg'Dci j qwug. "Qpg "Xgpf qt "Vtkr . "cpf "Qpg" Y qtngt "Vtkr ""	208"	9096"	8069"	2023"	2076"	2066"
Significance Threshold for Construction	97"	322"	772"	372"	372"	77"
Significant?	No	No	No	No	No	No
Kpucm'6'Dci j qwugu"	30; "	3408: "	3603"	2024"	3027"	2077"
Eqputwev'4"Gperquwtgu"*6"Y cmu+"	204"	; 037"	70; "	2023"	2076"	2068"
: "O gf kwo /F w{ "Xgpf qt "VtweniVtkr u"vq" F grkxgt "Go kuukqp "EqputqniF gxleg" O qpkqtkpi "Gs wkr o gpv'*6+: "cpf "Tqmwr " F qqtu"qt "Rrcuke "Utkr u"*6+ "	2036"	3072"	209: "	2023"	2034"	202: "
38"Nki j vF w{ "Cwq "Y qtngt "Vtkr u"vq "Kpucm' *6+"Go kuukqp "EqputqniF gxleg "O qpkqtkpi " Gs wkr o gpv'cpf ""*6+"Tqm/wr "F qqtu"qt "Rrcuke " Utkr u"	204: "	5022"	3077"	2023"	2047"	2038"
Total: 4 Baghouses, 2 Enclosures (4 Walls), 8 Vendor Deliveries, and 16 Worker Trips	3.34	26.32	22.34	0.05	1.97	1.54
Significance Threshold for Construction	97"	322"	772"	372"	372"	77"
Significant?	No	No	No	No	No	No

Cuowo r wqpu<"kpucmwqap'qh'go kuukap"eqpvtqnlf gxleg"o qpkqtlpi "gs wkr o gpvtgs wktgu'4'y qtngtu0C'r gcnlf c' 'y knl' kpxqrxg'hqt"dcj j qwug'kpucmwqapu."eqpvtwewqap'qh'y q'gpenquwtg'u'y q'y cmu+."hqt"o kqqt'gpenquwtg'lo r tqxgo gpw" cpf 'kpucmwqap'qh'go kuukap"eqpvtqnlf gxleg"o qpkqtlpi "gs wkr o gpv"cpgo qo gvtu."dcj hcnlf gvgewap'u' ugo u." r tguwtg'i cwi gu."f c'c'ces wkuukap'u' ugo u"cv'hw'f hcnlf gvgewap'u' ugo u"grkxgt { "qh'go kuukap"eqpvtqnlf gxleg"o qpkqtlpi " gs wkr o gpvt'q'qm'w'f qqtu'qt'r mndu'vkr u'ku'cuowo gf "q' tgs wktg'pg'xgpf qt'vkr ."cpf 'kpucmwqap'ku'cuowo gf "q' tgs wktg'w q'y qtngt'vkr u'gcej 0Ugg'Cr r gpf lz 'D'hqt'cf f kkapcn'cuowo r wqpu'cpf 'ecrewwqapu'}

Vj g'c'k't's wcrk\ "cpcn\ uku\ pf\ lec\ gu\ v\ j\ cv\ v\ g' r\ gcm\ f\ ckn\ "go\ kuuk\ pu\ f\ q\ pqv\ g\ zegg\ f\ v\ j\ g\ "Uq\ wj\ "Eqcu\ v\ CS O F a\ c'k't's wcrk\ "uk\ ph\ k\ cpep\ g\ v\ t\ gu\ q\ r\ f\ u\ h\ q\ t\ cp\ { "r\ qm\ wcp\ v\ f\ wk\ pi\ "eqpu\ t\ we\ k\ ap= v\ wu\ v\ j\ g\ "

" cpcn{ uku"eqpenwf gu'yj cv'yj g"ckt's wrkv{ 'ko r ceu'f wtkpi "eqputwexqp"ctg"gzr gev'f "vq"dg'rguu'yj cp" uki pkkcep0'

### Operational Impacts

Vcdrg'4/7"uwo o ctkt gu'yj g'r gcmf ckt{ "go kuukpu"cuuqekcv'f y kj "qr gtcvqp0C'r gcmf c{ "qh'qr gtcvqp" ku'cuuwo gf "vq"eqpukv'qh'y q'uqwtg'v'guu."y q'uo qng'v'guu."cpf "qpg'y cuvg'j cwtkpi "vkr "qeevttkpi "qp" yj g'uco g'f c{ 0Cf f kkkpcn'f gvku'qh'yj g'cuuwo r vqpu'cpf "ecrewevqpu'ecp"dg'hqwpf "kp"Cr r gpf kz "D0"

**Table 2-5**  
**Peak Daily Operation Emissions by Pollutant (lb/day)**

Operation Activity	VOC	NOx	CO	SOx	PM10	PM2.5
3"Nki j vF w{ 'Cwq"Y qtngt "Vtkr "vq"Eqpf wev" Uqwtg"Vgukpi "	2024"	208; "	2082"	2022"	2024"	2023"
3"O gf kwo /F w{ "Vtven"Vtkr "vq"Eqpf wev" Uqwtg"Vgukpi "	2024"	2023"	2087"	2022"	2022"	2022"
<b>Subtotal: 1 Source Test</b>	<b>0.03</b>	<b>0.20</b>	<b>0.24</b>	<b>0.00</b>	<b>0.02</b>	<b>0.01</b>
<b>Significance Threshold for Operation</b>	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
3"Nki j vF w{ 'Cwq"Y qtngt "Vtkr "vq"Eqpf wev" Uo qng"Vgukpi "	2024"	208; "	2082"	2022"	2024"	2023"
<b>Subtotal: 1 Smoke Test</b>	<b>0.02</b>	<b>0.19</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.01</b>
<b>Significance Threshold for Operation</b>	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
3"J gcx{/F w{ "Y cuvg"Vtven"Vtkr "vq"Eqmgev" Dci j qwug"Y cuvg"	2024"	206; "	2082"	2022"	2024"	2023"
<b>Subtotal: 1 Waste Haul Trip</b>	<b>0.02</b>	<b>0.48</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.01</b>
<b>Significance Threshold for Operation</b>	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>Total: 2 Source Tests, 2 Smoke Tests and 1 Waste Haul Trip</b>	<b>0.12</b>	<b>1.25</b>	<b>0.78</b>	<b>0.00</b>	<b>0.09</b>	<b>0.05</b>
<b>Significance Threshold for Operation</b>	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Cuuwo r vqpu<"Vj qwi j "wprkng{ ."c'r gcmf c{ "ku'cuuwo gf "vq"lpenf g'y q'uqwtg'v'guu."y q'uo qng'v'guu."cpf " qpg'y cuvg'j cwtkpi 0Ugg"Cr r gpf kz "D'hqt "cf f kkkpcn'cuuwo r vqpu'cpf "ecrewevqpu0'

"

Vj g"ckt's wrkv{ "cpcn{ uku"lpl'ecv'gu'yj cv'yj g'r gcmf ckt{ "go kuukpu"fq"pqv"gzeggf "yj g"Uqwj "Eqcu" CS O F 0u'ckt's wrkv{ "uki pkkcepeg'yj tguj qrf u'hqt"cp{ "r qmwcpv'f wtkpi "qr gtcvqp="yj wu."yj g"cpn{ uku" eqpenwf gu'yj cv'yj g"ckt's wrkv{ "ko r ceu'f wtkpi "qr gtcvqp"ctg"gzr gev'f "vq"dg'rguu'yj cp"uki pkkcep0'

**Construction and Operation Overlap Impact**

Vedrg'4/8"uwo o ctk gu'y g'r gcnlf ckl "go kuukapu'htqo "qxgtncr r kpi "eqputwekqp"cpf "qr gtcvqp" cevxxkkgu0C'r gcnlf c{ "ku'cuwo gf "vq"eqpukv'qh'y g'r gcnlf eqputwekqp "eqputwekqp"qh'y q" gpenquwtgu\*y q'y cmu'gcej + "hqt" gpenquwtg'ko r tqxgo gpw\*tm/wr "f qqtu"cpf "r rncle"utkr u+ "hqt" dci j qwugu."cpf "hqt"ugw'qh'go kuukap"eqputqnf gxleg'o qpkqtkpi "gs vkr o gpv"cpf "qr gtcvqp" cevxxkkgu\*y q"uqwtg'vguu."y q'uo qng'vguu."cpf "qpg'y cuvg'j cwrkpi "vkr +qeewttkpi "qp""y g'uco g" r gcnlf c{ 0Cf fklqpcnlf gvcnu'qh'y g'cuwo r vqpu"cpf "ecrewekqp"ecp'dg'hqwpf "kp"Cr r gpf kz "D0" Ceeqtf kpi "vq"Uqwj "Eqcu'CS O F "r qnle{ . "kp"y g'gxgpvj cv'y gtg'ku"cp"qxgtncr "qh'eqputwekqp"cpf "qr gtcvqp"r j cugu."y g'r gcnlf ckl "go kuukapu'htqo "qxgtncr r kpi "eqputwekqp"cpf "qr gtcvqp"cevxxkkgu" uj qwf "dg"uwo o gf "cpf "eqo r ctgf "vq"y g'Uqwj "Eqcu'CS O F cu'ck"s wcrk\ "uki pklcepeg"y tguj qrf u" hqt"qr gtcvqp"dgecwug'y g{ "ctg'o qtg'utkpi gpvj cp'y g'eqputwekqp"ck"s wcrk\ "uki pklcepeg" y tguj qrf u0

**Table 2-6  
Peak Daily Construction and Operation Overlap Emissions (lb/day)**

Activity	VOC	NOx	CO	SOx	PM10	PM2.5
4"Uo qng"Vguu"*4"Nli j vF w\ "Cwqu+"	206"	2059"	208; "	2022"	2025"	2024"
4"Uqwtg"Vguu"*4"Nli j vF w\ "Cwqu"cpf "4" O gf kwo /F w\ "Vtwem+ "	2029"	2062"	206; "	2022"	2026"	2024"
3"J gcx{/F w\ "Y cuvg"Vtwem"Vtkr "vq"Eqmgev" Dci j qwug"Y cuvg"	2024"	206; "	2082"	2022"	2024"	2023"
Kpuvcm'6"Dci j qwugu"	30; "	3408; "	3603"	2024"	3027"	207"
Eqputwev'4"Gpenquwtgu"*6"Y cmu+ "	204"	; 07"	70; "	2023"	2076"	2068"
: "O gf kwo /F w\ "Xgpf qt"Vtwem"Vtkr u"vq" F grkxgt"Go kuukap"Eqputqnf gxleg" O qpkqtkpi "Gs vkr o gpv"*6+."cpf "Tqmwr " F qqtu"qt"Rrncle"Utkr u"*6+ "	2086"	3072"	209; "	2023"	2084"	202; "
38"Nli j vF w\ "Cwq"Y qtngt"Vtkr u"vq"Kpuvcm" *6+"Go kuukap"Eqputqnf gxleg"O qpkqtkpi " Gs vkr o gpv"cpf "*6+"Tqm/wr "F qqtu"qt"Rrncle" Utkr u"	204; "	5022"	3077"	2023"	2047"	2088"
<b>Total</b>	<b>3.46"</b>	<b>27.57"</b>	<b>23.11"</b>	<b>0.06"</b>	<b>2.06"</b>	<b>1.59"</b>
<b>Significance Threshold for Operation<sup>a</sup></b>	<b>55</b>	<b>55</b>	<b>550</b>	<b>150</b>	<b>150</b>	<b>55</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

<sup>a</sup>Y j gp"eqputwekqp"cpf "qr gtcvqp"r j cugu"qxgtncr . "y g"qr gtcvqpncrck"s wcrk\ "uki pklcepeg"y tguj qrf u"ctg"cr r rkgf 0"

P qpg"qh"y j g"go kuukpu" f wtkpi "eqputwekqp" qpnf . "qr gtcvqp" qpnf . "qt" eqputwekqp" cpf "qr gtcvqp" qxgtncr "gzeggf" y j g"Uqwj "Eqcu/CS O F ōi" ckt" s wcrk\ "uki pkhecpv" y tguj qrf u0Vj gtghgtg. "y j g" ckt" s wcrk\ "ko r ceu' f wtkpi "eqputwekqp" qpnf . "qr gtcvqp" qpnf . "qt" eqputwekqp" cpf "qr gtcvqp" qxgtncr "ctg" cm' eqpukf gtgf "vq" dg" rguu" y j cp" uki pkhecpv0Vj g" r tqr qugf "r tqlgev" ku" pqv" gzt gevgf "vq" tguu" kp" uki pkhecpv' cf xgtug' ckt" s wcrk\ "ko r ceu' Ukepg" pq' uki pkhecpv' ckt" s wcrk\ "ko r ceu' y gtg' kf gpvkhgf . "pq" o kki cvqp" o gcuw' gu' ctg' pgeguuct { "qt" tgs wkt gf 0

### Cumulatively Considerable Impacts

Dcugf "qp" y j g" hgtgi qkpi "cpcnf uku" ukpeg' etkgtkc' r qmwcpv' r tqlgev' ur gekhe' ckt" s wcrk\ "ko r ceu' hgtqo" ko r ngo gpvki "RCT" 3629" y qwf "pqv" dg" gzt gevgf "vq" gzeggf "cp" { "qh" y j g" ckt" s wcrk\ "uki pkhecpv" y tguj qrf u' kp' Vcdng' 4/4. "ewo wrcvkg' ckt" s wcrk\ "ko r ceu' ctg' cnuq' gzt gevgf "vq" dg' tguu' y j cp' uki pkhecpv0Uqwj "Eqcu/CS O F" ewo wrcvkg' ckt" s wcrk\ "uki pkhecpv" y tguj qrf u' ctg' y j g' uco g' cu' r tqlgev' ur gekhe' ckt" s wcrk\ "uki pkhecpv" y tguj qrf u0Vj gtghgtg. "r qvcpvkn' cf xgtug' ko r ceu' hgtqo" ko r ngo gpvki "RCT" 3629" y qwf "pqv" dg" ōewo wrcvkg' "eqpukf gtdcng0" cu" f ghkpgf "d" { "EGS C" I wkf grkpgu" Ugevqp" 37286\* j +\*3+ hgt' ckt" s wcrk\ "ko r ceu' Rgt' EGS C" I wkf grkpgu" Ugevqp" 37286\* j +\*6+. "y j g' o gtg' gzkvpeg" qh' uki pkhecpv' ewo wrcvkg' ko r ceu' ecwugf "d" { "qj" gt "r tqlgev" cmppg' u j cm' pqv' eqpukvkwg' uwdupvkn' gxf gpeg' y j cv' y j g' r tqr qugf "r tqlgev" lpetgo gpvkn' ghgew' ctg' ewo wrcvkg' "eqpukf gtdcng0"

Vj g' Uqwj "Eqcu/CS O F ōi" wkf cpeg' qp' cf f tguukpi "ewo wrcvkg' ko r ceu' hgt' ckt" s wcrk\ "ku' cu' hqmqy u" ōCu' Ngcf "Ci gpe" . "y j g" Uqwj "Eqcu/CS O F" wugu" y j g' uco g' uki pkhecpv" y tguj qrf u' hgt' r tqlgev' ur gekhe' cpf "ewo wrcvkg' ko r ceu' hgt' cm' gpvktqpo gpvkn' vqr keu' cpcnf | gf "kp" cp" Gpvktqpo gpvkn' Cuuguu gpv' qt" GKT0 ōRtqlgev" y j cv' gzeggf "y j g" r tqlgev' ur gekhe' uki pkhecpv" y tguj qrf u' ctg' eqpukf gtgf "d" { "y j g' Uqwj "Eqcu/CS O F" "vq" dg' ewo wrcvkg' "eqpukf gtdcng0Vj ku' ku' y j g' tguuq' r tqlgev' ur gekhe' cpf "ewo wrcvkg' uki pkhecpv" y tguj qrf u' ctg' y j g' uco g' Eqpvgtugn' . "r tqlgev" y j cv' f q' pqv' gzeggf "y j g" r tqlgev' ur gekhe' y tguj qrf u' ctg" i gpgtcm' "pqv' eqpukf gtgf "vq" dg" ewo wrcvkg' "uki pkhecpv0<sup>35</sup>"

Vj ku' cr r tqcej "y cu' wr j grf" d { "y j g' Eqwtv' kp" *Citizens for Responsible Equitable Environmental Development v. City of Chula Vista* \*4233+3; 9'Ecr0Cr r 06y j '549. '5560Vj g' Eqwtv' f gvgto kpgf "y j cv' y j gtg' k' ecp' dg' hqwpf "y j cv' c" r tqlgev' f kf "pqv' gzeggf" y j g' Uqwj "Eqcu/CS O F" s wcrk\ "O cpci go gpv' F kvtlevu' guvdrkuj gf "ckt" s wcrk\ "uki pkhecpv" y tguj qrf u. "y j g' Ek\ "qh" Ej wr" Xkuc" r tqr gtn' "eqpenmf gf "y j cv' y j g' r tqlgev' y qwf "pqv' ecwug" c" uki pkhecpv' gpvktqpo gpvkn' ghgew. "pqt" tguu" kp" c" ewo wrcvkg' "eqpukf gtdcng' lpetgcug' kp" y j g' ugr' qmwcpv0Vj g' eqwtv' hqwpf "y j ku' f gvgto kpcvqp" vq" dg" eqpukvgn' y j k' "EGS C" I wkf grkpgu" Ugevqp" 372860. "ucvki . "ōVj g' ngcf "ci gpe" { "o c" { "tgn' "qp" c" y j tguj qrf "qh" uki pkhecpv" ucpf ctf "vq" f gvgto kpg" y j g' y j gt" c" r tqlgev' y j kn' ecwug" c" uki pkhecpv' gpvktqpo gpvkn' ghgew0Vj g' eqwtv' hqwpf "y j cv' ōCnj qwi j "y j g' r tqlgev' y j kn' eqpvtkdwg' cf f kkpvcn' ckt" r qmwcpv' vq' cp' gzkvki "pqv' cvkpo gpv' ctgc. "y j g' lpetgcugu' ctg' dgrqy "y j g' uki pkhecpv' etkgtkc' ō" ōVj wu. "y j g' eqpenmf g" y j cv' pq" hct" cti wo gpv' gzkvki y j cv' y j g' Rtqlgev' y j kn' ecwug" c" uki pkhecpv' wpcxkf cdr' ewo wrcvkg' eqpvtkdwkqp" vq' cp' ckt" s wcrk\ "ko r ceu' Cu' kp" *Chula Vista*. "j gtg' y j g' Uqwj "Eqcu/CS O F" j cu' f go qpvtcvgf . "y j g' gp' wukpi "ceewtcvg" cpf "cr r tqr tkvg' f cv" cpf "cuuwo r vqpu" y j cv' y j g' r tqlgev' y j kn' pqv' gzeggf "y j g' guvdrkuj gf "Uqwj "Eqcu/CS O F" uki pkhecpv" y tguj qrf u0Ugg' cnuq. *Rialto Citizens for Responsible Growth v. City of Rialto* \*4234+42; 'Ecr0Cr r 06y j ' ; ; 0J gtg' ci clp" y j g' eqwtv' wr j grf "y j g' Uqwj "Eqcu/CS O F ōi" cr r tqcej "vq" wkrk' kpi "y j g' guvdrkuj gf "ckt" s wcrk\ "uki pkhecpv" y tguj qrf u" vq" f gvgto kpg" y j g' y j gt" y j g' ko r ceu' qh' c" r tqlgev' y qwf "dg" ewo wrcvkg' "

<sup>35</sup> Uqwj "Eqcu/CS O F" Ewo wrcvkg' ko r ceu' Y qtnkpi "I tqwr "Y j kg' Rcr gt' qp' Rqvgpkn' Eqpvtqni Utcvgi lgu' vq' Cff tguu' Ewo wrcvkg' ko r ceu' hgtqo "Ckt' Rqmwkqp. "Cwi wu' 4225. "Cr r gpv' k' F. "Ewo wrcvkg' ko r ceu' Cpcnf uku' Tgs wkt go gpv' Rwtuwpv' vq' EGS C. "cv' F/ 50j wr dly y y ōso f ō qx f qeulf gh' wv' uqwtg' C i gpv' cu' Gpvktqpo gpvkn' I wv' kg' ewo wrcvkg' ko r ceu' y qtnkpi / i tqwr lewo wrcvkg' ko r ceu' y j kg' r cr gt/ cr r gpv' k' ō f h' "

"  
 eqpukf gtdcng0 Vj wu." kw" o c{ "dg" eqpenwf gf "y cv" yj g" r tqr qugf "r tqlgev" y kni pqv" eqpvtkdwg" vq" c"  
 uki pthecpvwpcxqkf cdrng'ewo wrvkg'ck's wrkv{ "ko r cevuUkeg'pq'ewo wrvkg'gn' uki pthecpvck's wrkv{ "  
 ko r cevu'y gtg'kf gpwkgf. 'pq"o kki cvkqp"o gcuwtgu'ctg"pgeguuct{ "qt"tgs wktgf 0"  
 "

### III. c) "Less Than Significant Impact. "

#### *Toxic Air Contaminants (TACs) During Construction and Operation*

"  
 F kgugn'r qy gtgf "xgj kergu"cpf "gs wkr o gpv'y qwf "dg" wkrk gf "f wtkpi "eqputwekqp"cevkxkgu0F kgugn'  
 RO "ku"eqpukf gtgf "c"ectekpqi gple"cpf "ej tqple"VCE0Vj g"eqputwekqp"cevkxkgu"y kni'dg"eqo r ngvgf "  
 y kj kp"ukz"o qpj u"cv'cm'qh'yj g"gli-j-v35"chgevgf "hcekkkgu."y wu"J gcnj "TkunCuuguu gpv"J TC+"  
 y cu" pqv" eqpf wevgf. "y j kej "ku" eqpukngpv" y kj " yj g" Qhheg" qh" Gpxktqpo gpvni" J gcnj " J c| ctf "  
 Cuuguu gpv"QGJ J C+I wkf cpeg'O cpwcn\*4237+360Vj g"cpn{ uku'kp"Ugevkqp"KKd+cpf "g+eqpenwf gf "  
 yj cv'yj g"s wcpvkv{ "qh'r qmwcpw"y cv'o c{ "dg"i gpgtcvgf "htqo "ko r ngo gpvki "yj g" r tqr qugf "r tqlgev"  
 y qwf "dg"rguu'yj cp"uki pthecpv'f wtkpi "eqputwekqp"qpn{. "qr gtcvkqp"qpn{. "cpf "yj g"eqputwekqp"cpf "  
 qr gtcvkqp"qxgtmr "r gtkqf 0'Dgecwug"yj g"go kuukpu"htqo "cm'cevkxkgu"yj cv'o c{ "qeevt"cu"r ctv'qh"  
 ko r ngo gpvki "RCT3629"ctg"cv'rguu"yj cp"uki pthecpv'rgxgn. "yj g"go kuukpu"yj cv'o c{ "dg"i gpgtcvgf "  
 htqo "ko r ngo gpvki "yj g" r tqr qugf "r tqlgev"y qwf "pqv'dg"uwducpvkn'tgi ctf rguu'qh'yj j gyj gt"ugpukxg"  
 tgegr vqtu"ctg"nqecvgf "pgct"yj g"chgevgf "hcekkkgu0Hwtj gto qtg."yj tqwi j "ko r ngo gpvki"qh"RCT"  
 3629." eqpf wekpi "j qwugnggr kpi "cevkxkgu." eqputwekpi "dwkrf kpi "gpenquwtgu." cpf "kpuvni"pi "  
 go kuukqp"eqputqn'f gxlegu"y kni'f getgcug"go kuukpu"qh"ctugple."ecf o kwo. "cpf "plengn'htqo "pqp/  
 ej tqo kwo "o gcn'o gmkpi "hcekkkgu0Qxgtcm"yj g"ko r ngo gpvki"qh"RCT"3629"y kni'tgf weg"VCEu."  
 cp"ck's wrkv{ "dpgghk0Vj gtghgtg."RCT"3629"ku"pqv'ggr gevgf "vq"i gpgtcvg"uki pthecpv'cf xgtug"VCE"  
 ko r cevu"htqo "eqputwekqp"qt "ggr qug"ugpukxg"tgegr vqtu"vq"uwducpvkn'r qmwcpv'eqpegpvcvkpu0'  
 Ukeg'pq"uki pthecpv'ck's wrkv{ "ko r cevu'y gtg'kf gpwkgf "hqt"VCEu."pq"o kki cvkqp"o gcuwtgu'ctg"  
 pgeguuct{ "qt"tgs wktgf 0"  
 "

### III. d) "Less Than Significant Impact.

#### *Odor Impacts*

"  
 Qf qt"r tqdrng u"f gr gpf "qp"lpf kxkf wcn'ekewo ucpegu0Hqt "gzco r ng."lpf kxkf wcn"ecp"fhhet"s wkg"  
 o ctngf n{ "htqo "yj g" r qr wcvgf "cxgtci g"kp"yj gkt "ugpukxkv{ "vq"qf qt"fwg"vq"cp{ "xctkgv{ "qh"lppcvg."  
 ej tqple"qt"cewg'r j { ukqni kcn'eqpf kkpau0Vj ku'lpemf gu'qhncevqt{ "cf cr vcvkp"qt"uo gmlhcki wg"kg0"  
 eqpvkpwkpi "ggr quwtg"vq"cp"qf qt"uwcmf "tguwmu"kp"ci tcf wcn'f ko kpwkqp"qt"gxgp"fkur r gctcpeg"qh"  
 yj g"uo cni'ugpucvkqp-0"  
 "

F wtkpi "dqj "eqputwekqp"cpf "qr gtcvkqp."f kgugn'hwngf "gs wkr o gpv'cpf "xgj kergu"y kni'dg"qr gtcvgf 0'  
 F kgugn'hwngku'tgs wktgf "vq"j cxg"ci"mgy "uwht"eqpvgpv\*gd 0'37"r r o "d{ "y gki j v'qt"rguu"kp"ceeqtf cpeg"  
 y kj "Uqwj "Eqcu/CS O F "T wrg"65304"6"Uwht"Eqpvgpv'qh"Nls wkf "Hwgn<sup>37</sup>"=y wu."yj g"hwngku"gzr gevgf "  
 vq"j cxg"o kpo cni'qf qt0Vj g"qr gtcvkqp"qh'eqputwekqp"gs wkr o gpv'y kni'qeevt"y kj kp"yj g"eqphkpgu"qh"  
 gzknkpi "chgevgf "hcekkkgu0K'y qwf "dg"gzr gevgf "uwhtekgpv'f kur gtukqp"qh'f kgugn'go kuukpu"qxgt"  
 f kucpeg'i gpgtcm' "qeevtu'uwej "yj cv'qf qtu'cuqekcvgf "y kj "f kgugn'go kuukpu"o c{ "pqv'dg"fkuegtpcdrng"  
 vq"qh'ukg"tgegr vqtu."f gr gpf kpi "qp"yj g"nqecvkqp"qh'yj g"gs wkr o gpv'cpf "ku"fkucpeg'tgrvkg"vq"yj g"  
 pgctgu'qh'ukg"tgegr vqt0Vj g"fkugn'vtemu"cpf "gs wkr o gpv'yj cv'y kni'dg"qr gtcvgf "qp/ukg"cu"ci r ctv'qh"  
 "\*\*\*\*\*"

<sup>36</sup> QGJ J C. "Ckt"Vqzleu"J qv'Ur qu'Rtqi tco "I wkf cpeg'O cpwcn'ht"y j g'Rtgr ctcvkqp"qh"J gcnj "TkunCuuguu gpv."O ctej "8."42370'  
[j wru'kqj j cctcf qx/ck/ctpt/lpqleg/cf/gr/vkqp/ck/vqzleu/j/qvur/qu/r/tqi/tco/i/wkf/cpeg/o/cpwn'r/tgr/ctcvkqp/j/gcnj/tkum/2](http://www.kqj.com/ctcf/qx/ck/ctpt/lpqleg/cf/gr/vkqp/ck/vqzleu/j/qvur/qu/r/tqi/tco/i/wkf/cpeg/o/cpwn'r/tgr/ctcvkqp/j/gcnj/tkum/2)""

<sup>37</sup> Uqwj "Eqcu/CS O F "T wrg"65304"6"Uwht"Eqpvgpv'qh"Nls wkf "Hwgn."Ugr vgo dgt'37."42220'  
[vqzleu/ltwrg/dqgm/ltwrg/kx/ltwrg/653/40/f/h](http://www.kqj.com/dqgm/ltwrg/kx/ltwrg/653/40/f/h)""

"

eqputwewkp"cevxkkgu'y kn'pqv'dg'cmqy gf "v'kf ng'npqi gt "y cp'hkxg'o kwgwu'r gt"cp{ "qpg'mecvkw"kp" ceeqtf cpeg'y kj "y g'ECTD'kf r'pi "tgi wrcvkw<sup>38</sup>. "uq'rkpi g'kpi "qf qtu'htqo "kf rkpi "xgj kergu'y qwrf "pqv' dg"gzr gev'f 0'k'cf f'k'kp. "eqputwewkp"cevxkkgu'ht'eqputwewkp "d'w'kf kpi "gpenquwtgu'cpf "kpuv'cnkpi " go kuukqp"eqputqn'f gxlegu'y qwrf "dg"vgo r q'ctct { "eqo r ngv'f "d { "Lwn { "3. "4242"cpf "Lcpwct { "3. "4243. " t'gur gev'xgn { "0Qr g'c'vkw'y kj kp'y g'd'w'kf kpi "gpenquwtgu'cpf "j c'xkpi "gs wkr o gpv'y kj kp'y g'd'w'kf kpi u' xgpv'f "v"dcj j q'wugu'y qwrf "dg"gzr gev'f "v"t'gf w'eg"cp { "qf qtu'htqo "h'ek'k'kgu'Vj g'wug"qh't'wemu'cu" r ct'v'qh'eqpf wewkp "u'w'eg'v'guu. "uo qng'v'guu. "t'gr m'ekpi "dcj j q'wug'h'k'gtu. "j c'w'kpi "y c'w'g. "g'v'0'y qwrf " dg"kp'vgo kwgpv'cpf "q'ewt"qxgt "c"t'gr'v'xgn { "uj q'tv'r g'k'qf "qh'v'ko g="y g't'gh'gtg. "y g'r'qr q'ugf "r'q'lg'v' y qwrf "pqv'dg"gzr gev'f "v'i g'p'g'c'v'f'k'gug'n'g'z j c'w'v'q'f q't' i t'g'c'v'g't'j cp'y j c'v'k'u'c'it'g'c'f { "v'f' r'k'cm { "t'g'ug'p'v' c'v'y g'ch'ge'v'f "h'ek'k'kgu'Vj wu. "RCT"3629'ku'pqv'gzr gev'f "v"et'g'c'v'g'uki p'k'h'ec'p'v'c'f x'tug'q'd'lg'v'k'p'cd'rg" qf qtu'f w'kpi "eqputwewkp"qt "qr g'c'v'kw'0'U'peg'p'q'uki p'k'h'ec'p'v'c'k't's w'c'k'v'f "ko r c'ew'y g't'g'kf g'p'v'k'g'f "h'q't" qf qtu. "pq'o k'ki c'v'kw"o g'c'w'v'gu'ht'q'f qtu'c't'g'p'ge'gu'ct { "q't'g's w'k'g'f 0"

### III. f) and g) Less Than Significant Impacts.

#### Greenhouse Gas (GHG) Impacts

"

Uki p'k'h'ec'p'v'ej cpi gu'kp'i m'd'c'n'k'ko c'v'g'r c'w'g't'p'u'j c'x'g't'g'eg'p'v'f "d'ggp"cuu'q'ek'c'v'f "y kj "i m'd'c'n'y c'to kpi . " cp"cx'gt'ci g"l'p'et'g'c'ug"kp"y j g"v'go r g't'c'w'g't'g'q'h'y j g"v'c'o qur j g't'g'p'g'ct"y j g"G'ct'y a'u'w'ht'c'eg. "c'w'k'd'w'g'f "v" c'ee'w'o w'rc'v'kw"qh'I J I "go kuuk'p'u"kp"y j g"v'c'o qur j g't'g'0'I J I u't'c'r "j g'c'v'kp"y j g"v'c'o qur j g't'g. "y j k'ej "kp" w't'p'j g'c'u'y j g'w'ht'c'eg"q'h'y j g"G'ct'y 0'U'qo g'I J I u'q'ee'w't'p'c'w'c'm { "c'p'f "c't'g"go kw'g'f "v"y j g"v'c'o qur j g't'g" y j t'q'w'j "p'c'w'c't'n'r t'q'eg'u'gu. "y j k'g"q'y g'tu'c't'g"et'g'c'v'f "c'p'f "go kw'g'f "u'q'ng'f "y j t'q'w'j "j wo cp"cevxkkgu' Vj g"go kuukqp"qh'I J I u'y j t'q'w'j "y j g"eqo d'w'v'kw"qh'h'q'u'k'i'h'w'g'u" \*Q'0'h'w'g'u"eq'p'v'c'k'p'kpi "ect'd'q'p+"kp" eq'p'l'w'p'ew'kp"y kj "q'y g't"j wo cp"cevxkkgu. "c'r r g'c'tu"v"q"dg"em'ug'n { "cuu'q'ek'c'v'f "y kj "i m'd'c'n'y c'to kpi 0' U'c'v'g'rcy "f'g'h'p'gu'I J I "v"l'p'ew'f g'y j g'h'm'y kpi <ect'd'q'p" f'k'z'k'f g"\*EQ4+ "o g'y c'p'g"\*EJ 6+ "p'k't'q'w'u" q'z'k'f g"\*P 4Q+ "j { f'q'h'w'q't'q'ect'd'q'p\*u" \*J H'E'u+. "t'g'h'w'q't'q'ect'd'q'p\*u" \*R'H'E'u+. "c'p'f "u'w'ht'w'j g'z'c'h'w'q't'k'f g"\*U'H8+ " \*J g'c'nj "c'p'f "U'ch'g'v'f "Eq'f g"U'g'ew'kp"5: 727\* +0'Vj g"o q'u'v'eqo o q'p" I J I "y c'v't'g'u'w'u"ht'qo "j wo cp" cevxk'k'f "ku'EQ4. "h'm'y g'f "d { "EJ 6'c'p'f "P 4Q0"

"

V't'c'f k'k'q'p'c'm { "I J I u'c'p'f "q'y g't"i m'd'c'n'y c'to kpi "r q'm'w'c'p'u"c't'g'r g't'eg'k'x'g'f "cu"u'q'ng'f "i m'd'c'n'kp"y j g't" ko r c'ew'u"c'p'f "y c'v' l'p'et'g'c'ukpi "go kuuk'p'u"cp { y j g't'g"kp"y j g"y q't'r { "eq'p't'k'd'w'gu"v"e'k'ko c'v'g'ej cpi g" cp { y j g't'g"kp"y j g"y q't'r 0'C "u'w'f { "eq'p'f w'eg'f "qp"y j g'j g'c'nj "ko r c'ew'u"q'h'EQ4 "o'f q'o g'u'o'y c'v'ht'o "q'x'gt" w'd'c'p"c't'g'c'u'c'ew'gu"l'p'et'g'c'ug'kp"m'ec'n'v'go r g't'c'w'g'u'c'p'f "m'ec'n'et'k'g't'k'r q'm'w'c'p'u. "y j k'ej "j c'x'g'c'f x'tug" j g'c'nj "g'h'g'ew"<sup>39</sup>0"

"

Vj g'c'p'c'n'f u'k'i'q'h'I J I u'k'u'c'f'k'h'g't'g'p'v'c'p'c'n'f u'k'i'y cp'y j g'c'p'c'n'f u'k'i'q'h'et'k'g't'k'r q'm'w'c'p'u'ht'q'y j g'h'm'y kpi " t'g'c'q'p'u'0'ht'q't'et'k'g't'k'r q'm'w'c'p'u. "y j g'uki p'k'h'ec'p'eg"y j t'g'uj q'r'f u'c't'g"d'c'ug'f "qp" f'c'k'f "go kuuk'p'u"d'g'ec'w'g" c'w'c'k'p'o g'p'v'q't"p'q'p/c'w'c'k'p'o g'p'v'ku'r t'k'o c't'k'f "d'c'ug'f "qp" f'c'k'f "g'z'eg'g'f c'p'eg'u"q'h'c'r r d'ec'd'rg"co d'k'g'p'v'c'k't" s w'c'k'v'f "u'c'p'f c't'f u'0'ht'w'y g't. "u'g'x'g't'c'n'co d'k'g'p'v'c'k't's w'c'k'v'f "u'c'p'f c't'f u'c't'g"d'c'ug'f "qp"t'g'r'v'x'g'n { "uj q't'v'g'to " g'z'r q'u'w't'g'g'h'g'ew"qp"j wo cp"j g'c'nj "g'0'0"q'p'g'j q'w't"c'p'f "g'k'i j v'j q'w't"u'c'p'f c't'f u'0'U'peg"y j g'j c'h'f'k'k'g"q'h' EQ4'ku'r r t'q'z'ko c'v'g'n { "322" { g'c'tu. "h'q't"g'z'co r ng. "y j g'h'g'ew"q'h'I J I u'q'ee'w't'q'x'gt"c'h'm'pi g't'v'g'to "y j k'ej " o g'c'p'u'y j g' { "ch'g'ev'y j g'i m'd'c'n'k'ko c'v'g'q'x'gt"c't'g'r'v'x'g'n { "h'pi "v'ko g'h't'co g'0'C'u'c't'g'u'w'u. "y j g'U'q'w'y "Eq'c'uv" CS O F a'u'ew't'g'p'v'r q'uk'k'p'ku'v'q'g'x'c'w'c'v'g'y j g'h'g'ew"q'h'I J I u'q'x'gt"c'h'm'pi g't"v'ko g'h't'co g'y j cp"c'uk'pi ng"

\*\*\*\*\*

<sup>38</sup> ECTD. "O w'k'f T'gi w'rc'v'kw"U'wo o c't { "O TU+T'g's w'k'g'o g'p'u'ht'q'f "F'k'g'u'n'V't'w'c'n'c'p'f "G's w'k'r o g'p'v'Q'y p'g'tu."

[j w'r u'd'y y y 0'et'd'0'c'0' q'x'lo u'r t'q'i k'p't'f k'g'u'n'f q'ewo g'p'u'lo w'k'k'w'g'0'f h'](#)

<sup>39</sup> "L'ce'q'd'ug'p. "O c't'n'l' 0'0'G'p'j c'p'ego g'p'v'q'h'N'q'ec'n'C'k't' "R'q'm'w'k'p'd { "W'd'c'p'E'Q4'F'q'o g'u.ö" "G'p'x'k'q'p'o g'p'v'c'n'U'el'g'p'eg"c'p'f "V'g'ej p'q'm'i { ".cu" f'g'u'et'k'g'f "p'U'c'p'h'q't'f "W'p'k'g't'k'f { "t'g'u'f'g'g'c'ug'q'p"O c't'ej "38. "4232"cx'k'c'd'rg"cv."

[j w'r <l'p'g'y u'0'c'p'h'q't'f q'f w'p'g'y u'4232'lo c't'ej h'w'd'c'p'ect'd'q'p'f q'o g'u'2538320'w'f 0'](#)

f c{ "40"cppwcn"go kukqpu"0I J I "go kukqpu"ctg"v{r kcm{ "eqpukf gtgf "vq"dg"ewo wrcvkg"ko r cevu" dgecwug"vj g{ "eqpukdwg"vq"i nqdcn'erko cvg"ghgeu0"

Vj g"Uqwj "Eqcu"CS O F "eqpxgpgf "c"ōl tggpj qwug"I cu"EGS C"Uki pkhepeg"Vj tguj qrf "Y qtnkpi " I tqwr ō"vq"eqpukf gt"cxctkvg{ "qh'dgpej o ctm{cpf "r qvpgvkn'uki pkhecpv'vj tguj qrf u"vq"gxcwcvg" I J I " ko r cevu0 Qp" F gego dgt"7." 422: . " yj g" Uqwj "Eqcu"CS O F "cfqr vgf "cp" kpvgtko "EGS C" I J I " Uki pkhepeg"Vj tguj qrf "hqt'r tqlgeu'y j gtg"vj g"Uqwj "Eqcu"CS O F "ku'vj g'hgcf "ci gpe{ "Uqwj "Eqcu"CS O F "422: +0Vj ku'I J I "kpvgtko "vj tguj qrf "ku'ugv'cv"32.222"o gvtle"vqpu"O V+"qh'EQ4"gs wxcvpgpv" go kukqpu"EQ4gs +r gt" { gct0Rtqlgeu'y kj "kpetgo gpvkn'kpetgcugu'dgmjy "vj ku'vj tguj qrf "y kn'pqv'dg" ewo wrcvkg{ "eqpukf gtcdmg0I J I "ko r cevu"tqo "vj g"ko r ngo gpvcvqp"qh'RCT"3629"y gtg"ecrewcvgf " cv'vj g'r tqlgeu'ur gekhe"ngxgnf wt kpi "eqputwevqp"cpf "qr gtcvqp"cevkxkgu0"

Vcdmg"4/9"lwo o ctk gu'vj g" I J I "cpcn{uku'y j lej "lj qy u'vj cv'RCT"3629"o c{ "tguwn'kp"vj g'i gpgtcvqp" qh"4.2; 8"5047"O V"r gt" { gct"qh'EQ4gs. "y j lej "ku'ngui"vj cp"vj g"Uqwj "Eqcu"CS O F ō"ck" s wrcv{ " uki pkhepeg"vj tguj qrf "hqt'I J I u0Vj g'f gvckgf "ecrewcvqp"qh'r tqlgeu' I J I "go kukqpu"ēp"dg'hqwpf " kp"Cr r gpf kz "D0"

**Table 2-7**  
**Summary of GHG Emissions from Affected Facilities**

Phase	Activity	CO <sub>2</sub> eq Emissions (MT/yr)
Eqputwevqp"	Gpemtugt"Eqputwevqp"	208; "
	Dci j qwug"Kpucm'vqp"	2062"
	O gf kwo "F w{ "Xgpf qt"Vtwni'Vtkr u" vq" F grkxgt"Go kukqp"Eqpvtqni" F gxleg"O qpksqtkpi "Gs vkr o gpv." cpf "Tqmwr "F qqtu"qt"Rrcvke"Utkr u"	2023"
	Nki j vF w{ "Cwq"Y qtngt"Vtkr u"vq" Kpucm'Go kukqp"Eqpvtqni" F gxleg" O qpksqtkpi "Gs vkr o gpv"cpf "Tqm/ wr "F qqtu"qt"Rrcvke"Utkr u"	2024"
	<b>Construction Subtotal</b>	<b>0.61</b>
Qr gtcvqp"	Uo qng"Vguv'Vtkr u"	20 2"2077"
	Uqwtg"Vguv'Vtkr u"	205; "2013"
	Dci j qwug"Y cvg"J cwtkpi "	209"
	Dci j qwug"Qr gtcvqp" "Grgvtlekv{ +"	208: "
	<b>Operation Subtotal</b>	<b>2.63"2.20</b>
"	<b>Total Emissions</b>	<b>3.25 2.81</b>
	Uki pkhepeg"Vj tguj qrf "	32.222"
	<b>Significant?</b>	<b>No</b>

P qvg<3"o gvtle"vqp"? "4.427"r qwpf u0I J I u'ltqo "lj qtv'vgtō "eqputwevqp" cevkxkgu'ctg"co qtvk gf "qxgt"52" { gctu0"

"

Cu'uj qy p'lp'Vcdng'4/9."y g'Uqwj 'Eqcuw'CS O F 'ckt's wcrk\ 'uki p'k'ecpeg'y tguj qrf 'hqt'I J I u'y qwf "pqv'dg"gzeggf gf 0'Hqt"y ku'tgcuqp."ko r ngo gpv'pi "y g'r tqr qugf "r tqlgev'y qwf "pqv'dg"gzr gev'f "vq" i gpgtcvg"uki p'k'ecpv'cf xgtug'ewo wcrk'g'I J I "ckt's wcrk\ 'ko r cevu'0Hwt'y gt."cu'pqvgf 'lp'Ugevkqp'KKO' c+."ko r ngo gpv'v'qp'qh'RCT"3629'y qwf "pqv'dg"gzr gev'f "vq"eqph'ev'y kj "cp'cr r decdng'r m'p."r qre{ "qt'tgi wcrk'qp'cf q'v'f 'hqt"y g'r wtr qug'qh'tgf welpi "et'kgt'k'r qm'wcpw'cpf "y g'uco g'ku'twg'hqt'I J I "go kuuk'pu'ul'peg'I J I "go kuuk'pu'y qwf "pqv'dg'ko r cevgf 'lp'cp{ 'y c{ 'd{ 'RCT"36290Vj gt'ghqtg'I J I "ko r cevu'ctg'pqv'eqpukf gt'gf "uki p'k'ecpv'0U'peg"pq"uki p'k'ecpv'ckt's wcrk\ 'ko r cevu'y gtg'kf gpv'k'gf 'hqt" I J I u."pq'o kki c'v'qp'o gcuwt'gu'ctg'p'geguuct{ "qt'tgs wkt'gf 0"

""

### Conclusion

Dcu'f "wr qp"y gug"eqpukf gtc'v'k'pu."uki p'k'ecpv'ckt's wcrk\ "cpf "I J I "go kuuk'pu"ko r cevu'ctg"pqv' g'zr gev'f "ht'qo "ko r ngo gpv'pi "RCT"36290U'peg"pq"uki p'k'ecpv'ckt's wcrk\ "cpf "I J I "go kuuk'pu" ko r cevu'y gtg'kf gpv'k'gf."pq'o kki c'v'qp'o gcuwt'gu'ctg'p'geguuct{ "qt'tgs wkt'gf 0"

"

"

"

"



"		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
"					
<b>IV. BIOLOGICAL RESOURCES.</b>					
Y qwf "vj g"rtqlgev<					
c+	J cxg" c" uwdupvkn' cf xgtug" ghhev" gkj gt " f kgev" " qt" y tqwi j " j cdkcv" o qf kkecvkpu." qp" cp{ " ur gekgu" kf gpvkhgf "cu" c" ecpf kf cvg." ugpukxg." qt" ur gekn' uvcwu" ur gekgu" kp" mecn' qt" tgi kqpcn' r rpu." r qnkgu." qt" tgi wrcvqpu." qt" d{ " y g" Ecnkqtpk" F gr ctwo gpv'qh' Hkuj " cpf "I co g" qt" WUO' Hkuj " cpf "Y kf rkhg" UgtxlegA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	J cxg" c" uwdupvkn' cf xgtug" ghhev" qp" cp{ " tkr ctkep" j cdkcv" qt" qy gt" ugpukxg" pcwtcn' eqo o wpkv{ " kf gpvkhgf " kp" mecn' qt" tgi kqpcn' r rpu." r qnkgu." qt" tgi wrcvqpu." qt" d{ " y g" Ecnkqtpk" F gr ctwo gpv'qh' Hkuj " cpf "I co g" qt" WUO' Hkuj " cpf "Y kf rkhg" UgtxlegA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+	J cxg" c" uwdupvkn' cf xgtug" ghhev" qp" hgf gtcn{ 'r tqvgev' y g' wrcp' u' cu' f ghpgf " d{ " Ugevkqp" 626" qh' y g' Engcp" Y cvgt "Cev" *penw lpi . " dw" pqv' rko ksf " vq. " o ctuj . " xgtpcnr qqn' eqcucn' gve0' y tqwi j ' f kgev' tgo qxcn" hknkpi . " j { f tqmi kcn' kpvgttwr vkp. " qt" qy gt" o gcpuA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+	Kpvgttgtg" uwdupvkn{ " y kj " y g" o qxgo gpv' qh' cp{ " pcvxg" tgukf gpv' qt" o ki tcvqt{ " hkuj " qt" y kf rkhg" ur gekgu" qt" y kj " gucdkuj gf" pcvxg" tgukf gpv' qt" o ki tcvqt{ " y kf rkhg" eqttkf qtu." qt" ko r gf g" y g' wug" qh' pcvxg" y kf rkhg" pwtugt{ " ukguA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+	Eqphkev" y kj " cp{ " mecn' r qnkgu" qt" qtf kpcpegu" r tqvgevpki " dkqmi kcn' tguqwtegu." uwej " cu" c" tgg" r tguqwtexvkp" r qnke{ " qt" qtf kpcpegA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h+	Eqphkev" y kj " y g" r tqxkukpu" qh' cp" cf qr vgf " J cdkcv" Eqpugtxcvkp" r rpu." Pcwten' Eqo o wpkv{ " Eqpugtxcvkp" Rrpu." qt" qy gt" cr r tqxgf " mecn' tgi kqpcn" qt" ucvg' j cdkcv' eqpugtxcvkp" r rpuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

"

**Significance Criteria**

Ko r cewu'qp'dkqmi kecn'tguqwtugu' y kn'dg'eqpukf gt gf 'uki p'hecpv'h'cp{ 'qh'y g'hqmqy kpi 'etkgtk'c'  
cr r n{ <

- / Vj g'r tqlgev'tguwmu'lp'c'mqu'qh'r rcpv'eqo o wplkku'qt'cpko cn'j cdkscv'eqpukf gt gf 'vq'dg' tctg.'y tgcwpgf'qt'gpf cpi gt gf 'd{ 'hgf gtcn'ucw'qt'hecn'ci gpeku0'
- / Vj g'r tqlgev'lpvgtgtgu'uwdupv'kcm' 'y kj 'y g'o qxgo gpv'qh'cp{ 'tgukf gpv'qt'o ki tcvqt{ 'y krf rkhg'ur geku0'
- / Vj g'r tqlgev'cf xgtugn' 'chhgew'cs w'le'eqo o wplkku'y tqwi j 'eqputw'ekp'qt'qr gtcv'kp'qh' y g'r tqlgev0'

**Discussion**

RCT"3629"y kn'tgf weg"go kuukpu"qh'ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o gven' o gnkpi "qr gtcv'kpu'd{ "tgxkupi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpksqtkpi "r tqxkukpu"ht"ck" r qmwkqp'eqpvtqngs wkr o gpv."cf f kpi "d'wkr kpi "gperquwtg'r tqxkukpu'v'ko k'hwi kxg"go kuukpu."cpf " wrf cvkpi " j qwugnggr kpi ." uqwtg" v'gukpi ." cpf " o qpksqtkpi ." tgeqtf nggr kpi ." cpf " tgr qt'v'kpi " tgs wkt go gpw0Qh'y g'76'82'hcekrkku'lp'Uqwj 'Eqcu'CS O F a'lwtkf k'ekp'y cv'ctg'uwdlgev'v'q"RCT" 3629."cm76'82'hcekrkku'y qwf "dg'tgs wkt gf "v'eqpf wev'j qwugnggr kpi ."hwt'hcekrkku'y qwf "pggf "v' kpucm'go kuukp'eqpvtqnf gxlegu'\*g0 0'dci j qwugu."hwt'hcekrkku'y qwf "pggf "v'eqputwev'dwkr kpi " gperquwtgu."3;-38'hcekrkku'y qwf "pggf "v'o cng'o kpat'ko r tqxgo gpw."3;-35'hcekrkku'y qwf "dg" tgs wkt gf "v'eqpf wev'r g'kqf k'le'uo qng'v'guu."gk-j-v'35'hcekrkku'y qwf "pggf "v'kpucm'go kuukp'eqpvtqnf f gxleg'o qpksqtkpi "gs wkr o gpv."cpf "35-45'hcekrkku'y qwf "dg'tgs wkt gf "v'eqpf wev'r g'kqf k'le'uoqwtg" v'gukpi 0'

"

**IV. a), b), c), & d) No Impact.** Ko r ngo gpvcv'kp'qh'RCT"3629"y qwf "qewt'cv'gzkukpi "chhgewf " hcekrkku."y j lej 'ctg'hqecv'f'lp'lpf wutken'ctgcu0Vj wu."RCT"3629'ku'pqv'g'zr gev'f'v'cf xgtugn' 'chhgew' lp'cp{ "y c{ "j cdkcw" y cv'uw r qt'v'tkr ctkcp"j cdkcw."hgf gtcn' "r tqv'gewf "y g'w'p'f u."qt"o ki tcvqt{ " eqttkf qtu0Ulo k'ctn'f ."ur gekn'ucw'u'r rcpw."cpko cnu."qt"pcwtcn'eqo o wplkku'f'gpv'k'f'lp'hecn'qt" tgi kqpcn'r rcpu."r q'ekku."qt'tgi w'v'kpu."qt'd{ 'y g'Ecn'k'qtpk'F gr ctwo gpv'qh'Hkuj "cpf "I co g'qt"WU0' Hkuj "cpf "Y k'f'rk'g"Ugtxleg'ctg"pqv'g'zr gev'f'v'q"dg'hqwpf "qp"qt"lp'emug'r tqzko k'f'v'q"chhgewf " hcekrkku0Vj gtgh'gtg."RCT"3629'y qwf "j cxg'p'q'f'k'gev'qt'lp'f'k'gev'ko r cew'y cv'eqw'f'cf xgtugn' 'chhgew' r rcpv'qt"cpko cn'ur geku"qt"y g'j cdkcw"qp"y j lej "y g{ "tgn'0'RCT"3629"fqgu"pqv'tgs wkt g"y g" ces w'kukp"qh'cf f k'kqpcn'rcpf "qt"hw'y gt"eqpxgtukpu"qh'tkr ctkcp"j cdkcw"qt"ugpuk'k'g"pcwtcn' eqo o wplkku'y j gtg'gpf cpi gt gf "qt"ugpuk'k'g"ur geku"o c{ "dg'hqwpf 0'k'f'f'k'kqp."cp{ "eqputw'ekp" htqo "y g'ko r ngo gpvcv'kp'qh'3629"y qwf "cng'r r'eg'cv'y g'gzkukpi 'hcekrkku'cpf "y qwf "pqv'dg'dwkn' qp"qt'pgct'c'y g'w'p'f'qt'lp'y g'r cvj "qh'o ki tcvqt{ "ur geku0'

"

**IV. e) & f) No Impact.** Vj g'r tq'q'ugf "r tqlgev'ku'pqv'g'zr gev'f'v'q"eqph'ev'y kj "hecn'r q'ekku"qt" qtf k'p'cegu'r tqv'ev'kpi "dkqmi kecn'tguqwtugu"qt'hecn'tgi kqpcn'qt'ucw'eqputgxcv'kp'r rcpu."d'gecwug" rcpf "wug"cpf "q'y gt'r rcp'kpi "eqpukf gtcv'kpu'ctg'f'g'v'go k'p'f' "d{ "hecn'i qxgtpo gpw'cpf "pq'r'p'f "wug" qt'r rcp'kpi "tgs wkt go gpw'y qwf "dg"cn'gt gf "d{ "ko r ngo gpvcv'kp'qh'RCT"36290C'f'f'k'kqpcn'f ."RCT" 3629"y qwf "pqv'eqph'ev'y kj "cp{ "cf q'r'v'f "J cdkcw'Eqputgxcv'kp"R'p."P'cw'cn'E'qo o wplk'f' "Eqputgxcv'kp"R'p."qt'cp{ "q'y gt'tgr'xcp'v'j cdkcw'eqputgxcv'kp'r rcp."cpf "y qwf "pqv'et'g'cv'f'k'kukpu" lp'cp{ "gzkukpi "eqo o wplkku'd'gecwug'eqo r r'k'p'eg'y kj "RCT"3629"y qwf "qewt'cv'gzkukpi 'hcekrkku' lp'r tgxk'wun' "f'kuwtdgf "ctgcu"y j lej "ctg"pqv'v'f' r'ecm' "uwdlgev'v'q"J cdkcw'qt"P'cw'cn'E'qo o wplk'f' "Eqputgxcv'kp"R'p'u0"

"

---

"**Conclusion"**

Dcugf "wr qp"j gug"eqpukf gtcvkpu."uki plhecpv'dkqmi lecn'tguqwtg"ko r ceu"ctg"pqv'gxr gevqf "htqo "  
ko r rgo gpvkpi "RCT"36290'Ukpeg"pq"uki plhecpv'dkqmi lecn'tguqwtg"ko r ceu"y gtg"kf gpvklgf."pq"  
o kki cvkqp'o gcuwtgu"ctg"pgeguuct { "qt'tgs wktgf 0"

"

---

"

"

"

"		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
"					
<b>V. CULTURAL AND TRIBAL CULTURAL RESOURCES.</b>					
Y qwf "j g'r tqlgev<					
c+ "	Ecwug" c" uwdunpvcn' cf xgtug" ej cpi g" kp" vj g' uki pklcepeg" qh' c" j kxqtkecn' tguqweg" r wtunpvcn' vq" EGS C" I wkf gkpgu" Ugevkqp" 372860A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+ "	Ecwug" c" uwdunpvcn' cf xgtug" ej cpi g" kp" vj g' uki pklcepeg" qh' c" p" ctej cgqmi kecn' tguqweg" r wtunpvcn' vq" EGS C" I wkf gkpgu" Ugevkqp" 372860A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+ "	F kxwd" cp{ "j wo cp" tgo ckpu. "lpenf lpi " vj qug" kpgttgf " qwukf g" qh' f gf kecvf " ego gvgtkguA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+ "	Ecwug" c" uwdunpvcn' cf xgtug" ej cpi g" kp" vj g' uki pklcepeg" qh' c" vldcn' ewmwtcn' tguqweg" cu' f ghkpgf " kp" Rwdrke" Tguqwegu" Eqf g" E43296. "cu" gkj gt" c" uksg. "hgcwtg. " r nceg. " ewmwtcn' rcpf uecr g" vj cv" ku" i gqi tcr j kecmf " f ghkpgf " kp" vgtu u" qh' vj g" uk g" cpf " ueqr g" qh' vj g" rcpf uecr g. " uetgf " r nceg. " qt" qdlgev y kj " ewmwtcn' xcnwg" vq" c" Ecnkhtpke" P cksxg" Co gtkecp" Vtdg. " cpf " vj cv" ku" gkj gt<	"	"	"	"
	• Nkxgf " qt" gki kdrg" hqt" rkukpi " kp" vj g" Ecnkhtpke" Tgi kxgt" qh' J kxqtkecn' Tguqwegu. " qt" kp" c" nqecn' tgi kxgt" qh' j kxqtkecn' tguqwegu" cu' f ghkpgf " kp" Rwdrke" Tguqwegu" Eqf g" E72420* m+ A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	• C" tguqweg" f gvgto kpgf " d{ " vj g" ngcf " ci gpe{. " kp" ku" f kuetgvkqp" cpf " uwr r qtvf " d{ " uwdunpvcn' gxkf gpeg. " vq" dg' uki pklcepv' r wtunpvcn' vq" etkgtkc" ugv' hqt vj " kp" Rwdrke" Tguqwegu" Eqf g" E72460* e+ A" " *kp" cr r n lpi " vj g" etkgtkc" ugv' hqt vj " kp" Rwdrke" Tguqwegu" Eqf g" E72460* e+ " vj g" ngcf " ci gpe{ " vj cmleqpukf gt " vj g' uki pklcepeg" qh' vj g" tguqweg" vq" c" Ecnkhtpke" P cksxg" Co gtkecp" vtdg0"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

"

**Significance Criteria**

Ko r ceu"vq"ewnwtnltguqwtugu'y km'dg"eqpukf gtgf "uki pklhecpv'kh"

- / Vj g'r tqlgevt'guwuu'lp"vj g'f kuwtdcepeg"qh'c"uki pklhecpv'r t'gj kuqtke"qt"j kuqtke"ctej cgqmi kecn" ukq"qt"r tqr gtvf "qh'j kuqtke"qt"ewnwtnlt'uki pklhecpv'eg"qt"v'kdcl'ewnwtnlt'uki pklhecpv'eg"vq"c" eqo o wplv' "qt"gvj ple"qt"uqekn'i tqwr "qt"c"Ecrlhtpke"p'cvxg"Co gtlecp"v'kdgo'
- / Wplk wgt'guqwtugu"qt"qdlgeu'y kj "ewnwtnlt'xcnw"vq"c"Ecrlhtpke"p'cvxg"Co gtlecp"v'kdg"ctg" r t'gugpv'vj cv'eqwrf "dg"i kuwtdgf "d" "eqputwekqp"qh'vj g'r tqr qugf "r tqlgeu'
- / Vj g'r tqlgevt' quwf "f kuwtd"j wo cp'tgo ckpu'

**Discussion**

RCT"3629"y km'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf"plengn'ltqo "pqp/ej tqo kwo "o gvcn' o gmkpi "qr gtcv'ku"p"u" "tgxkukpi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpkaqt'kpi "r tqxkukpu"ht"ct" r qmwkqp"eqpvtqnl'gs wkr o gpv."cf f kpi "dwkf kpi "gpenwutg'r tqxkukpu"vq'iko k'hw' kixg"go kuukpu."cpf " w'f cvkpi " j qwugnggr kpi ." uqwtg" v'gukpi ." cpf " o qpkaqt'kpi ." tgeqtf nggr kpi ." cpf " tgr qt'v'kpi " tgs vkt go gpw'Qh'vj g'76"82"heekkkgu"lp"Uqwj "Eqcu'CS O F u'ltw'kuf levkqp"vj cv'ctg"u'vdlgeu'vq"RCT" 3629."cm'76"82"heekkkgu"y qwrf "dg'tgs vkt gf "vq"eqpf wev'j qwugnggr kpi ."hw' "heekkkgu"y qwrf "pggf "vq" kpuvcm'go kuukp"eqpvtqnl' g'xlegu" \*g'0 "dci j qwugu."hw' "heekkkgu"y qwrf "pggf "vq"eqput wev'dw'kf kpi " gpenwutgu."3;-38"heekkkgu"y qwrf "pggf "vq"o cng"o k'pqt"ko r tqxgo gpw."3;-35"heekkkgu"y qwrf "dg" tgs vkt gf "vq"eqpf wev'r g'kqf le"uo qng"v'guu."g'k'j-35"heekkkgu"y qwrf "pggf "vq" kpuvcm'go kuukp"eqpvtqnl' f g'xleg"o qpkaqt'kpi "gs wkr o gpv."cpf "35"45"heekkkgu"y qwrf "dg'tgs vkt gf "vq"eqpf wev'r g'kqf le"uqwtg" v'gukpi 0'

**V. a) No Impact.** Vj gtg"ctg"gzkukpi "m'y u"lp"r m'eg"vj cv'ctg"f guki pgf "vq"r tqv'geu"cpf "o kki cvg" r qv'p'v'kn'ko r ceu"vq"ewnwtnlt'guqwtugu'0'ht"gzco r ng."EGS C"i w'kf g'rkpgu"ucv'g"vj cv'i gp'gtcm'."c" tguqwtg"uj cm'dg"eqpukf gtgf "oj kuqtkecm' "uki pklhecpv'o"kh'vj g'tguqwtg"o g'gw'vj g'et'k'gtke"ht"r'kukpi " lp"vj g'Ecrlhtpke"t'gi kuqt"qh'j kuqtkecn't'guqwtugu."y j ke'j "l'p'ew'f g'vj g'hm'y kpi <

/"Ki"cuuqekv'gf "y kj "gxgpw"vj cv'j cxg"o cf g"c"uki pklhecpv'eqpvt'kdw'kqp"vq"vj g'dtqcf "r cwgt'pu"qh' Ecrlhtpke'v'ku'j kuqt "cpf"ewnwtnlt'j g'kci g="

/"Ki"cuuqekv'gf "y kj "vj g'rk'xgu"qh'r gtuqpu"ko r qt'v'p'v'lp"qwt'r cuv="

/"Go dqf l'gu"vj g'f k'v'p'v'xg"ej ctcev'gt'k'v'eu"qh'c"v'f r g."r g'kqf ."t'gi kqp."qt"o g'vj qf "qh'eqput wekqp." qt"t'gr t'gugpv'vj g'y qtn'q'h'cp"ko r qt'v'p'v'et'g'v'xg"lpf k'k'f wcn"qt"r quuguu"j k'j "ct'v'k'v'le"xcnwgu="

/"J cu" {k'v'f gf "qt"o c { "r'k'ngn { "vq" { k'v'f "l'p'ht'o cv'kqp"ko r qt'v'p'v'lp"r t'gj kuqt { "qt"j kuqt { "EGS C" I w'kf g'rkpgu"Ugevkqp"3728607-0'

"

Dw'kf kpi u."ut wewtgu."cpf "qvj gt'r qv'p'v'kn'ewnwtnlt' "uki pklhecpv't'guqwtugu"vj cv'ctg"rguu"vj cp'72" {gctu" qrf "ctg"i gp'gtcm' "gzew'f gf "htqo "r'kukpi "lp"vj g'p'cv'k'p'cn't'gi kuqt"qh'j kuqtke"R'v'egu."w'p'rguu"vj g' { "ctg" u'j qy p"vq"dg"gzeg' v'k'p'cm' "ko r qt'v'p'v'0'Dw'kf kpi u"qt"ut wewtgu"vj cv'o c { "dg"ch'gevg' "d" { "RCT"3629" ctg" w'ugf "ht" "lpf w'ut'k'cn' r v'tr qugu" cpf " y qwrf " i gp'gtcm' { "pqv' dg" eqpukf gtgf " vq" dg" j kuqtkecm' { " uki pklhecpv'uk'peg"vj g' { "y qwrf "pqv'j cxg"cp { "qh'vj g'f k'v'p'v'xg"ej ctcev'gt'k'v'eu"qh'c"v'f r g."r g'kqf ."t'gi kqp." qt"o g'vj qf "qh'eqput wekqp."qt"t'gr t'gugpv'vj g'y qtn'q'h'cp"ko r qt'v'p'v'et'g'v'xg"lpf k'k'f wcn"qt"r quuguu" j k'j "ct'v'k'v'le"xcnwgu'0' Vj gt'g'htg."RCT"3629"ku"pqv'g'zr gevg' "vq"ecwug"cp { "ko r ceu"vq"uki pklhecpv' j kuqtke"ewnwtnlt'guqwtugu'0"

"

**V. b), c), & d) No Impact.** Eqputwekqp/t'g'v'gf "ce'v'k'k'gu"ctg"gzr gevg' "vq"dg"eqph'k'pgf "y kj lp"vj g' ch'gevg' "gzkukpi "lpf w'ut'k'cn'heekkkgu"y kj "vj g'ko r ngo gp'v'v'kqp"qh'RCT"3629'0'Vj wu."RCT"3629"ku" pqv'g'zr gevg' "vq"tgs vkt g'r j { u'k'cn'ej cpi gu"vq"vj g'gp'x'k'qpo gp'v'y j ke'j "o c { "f kuwtd'r cng'q'p'q'v'k'v' k'cn'qt"

cte j c g q m i l e c n t g u q w e g u 0 H w t v j g t o q t g . " k v ' k u ' g p x k u k p p g f " v j c v ' v j g u g " c t g c u " c t g " c r t g c f { " g k j g t " f g x q k f " q h ' u k i p k h e c p v " e w n w t c n t g u q w e g u " q t " y j q u g " e w n w t c n t g u q w e g u " j c x g " d g g p " r t g x k q w u n { " f k u w t d g f 0 " V j g t g h q t g . " R C T " 3 6 2 9 " j c u " p q " r q v g p v k n ' v q " e c w u g " c " u w d u n c p v k n ' c f x g t u g " e j c p i g " v q " c " j k u q t l e c n ' q t " c t e j c g q m i l e c n t g u q w e g . " f k g e v n { " q t " l p f k t g e v n { " v q " f g u t q { " c " v p l s w g " r c n g q p v q m i l e c n t g u q w e g " q t " u k g " q t " v p l s w g " i g q m i l e " h g c w t g . " q t " v q " f k u w t d " c p { " j w o c p " t g o c k p u . " k p e n w f k p i " v j q u g " k p v g t t g f " q w u l f g " h q t o c n l e g o g v g t l g u 0 K o r n g o g p v k p i " R C T " 3 6 2 9 " k u . " v j g t g h q t g . " p q v ' c p v k e r c v g f " v q " t g u w n ' l p " c p { " c e v k x k k g u " q t " r t q o q v g " c p { " r t q i t c o u " v j c v ' e q w f " j c x g " c " u k i p k h e c p v " c f x g t u g " l o r c e v " q p " e w n w t c n t g u q w e g u 0 "

R C T " 3 6 2 9 " k u " p q v ' g z r g e v g f " v q " t g s w k t g ' r j { u l e c n l e j c p i g u " v q " c " u k g . " h g c w t g . " r n e g . " e w n w t c n l r c p f u e c r g . " u c e t g f " r n e g " q t " q d l g e v " y k j " e w n w t c n l x c n w g " v q " c " E c r i h q t p k c " P c v k x g " C o g t l e c p " V t k d g 0 H w t v j g t o q t g . " R C T " 3 6 2 9 " k u " p q v ' g z r g e v g f " v q " t g u w n ' l p " c " r j { u l e c n l e j c p i g " v q " c " t g u q w e g " f g v g t o k p g f " v q " d g " g r i k d n g " h q t " k p e n w u k p " q t " h u g f " k p " v j g " E c r i h q t p k c " T g i k u g t " q h ' j k u q t l e c n T g u q w e g u " q t " k p e n w f g f " k p " c " h q e c n l g i k u g t " q h ' j k u q t l e c n t g u q w e g u 0 U k o k r t n l " R C T " 3 6 2 9 " k u " p q v ' g z r g e v g f " v q " t g u w n ' l p " c " r j { u l e c n l e j c p i g " v q " c " t g u q w e g " f g v g t o k p g f " d { " v j g " U q w j " E q c u v " C S O F " v q " d g " u k i p k h e c p v " v q " c p { " v t k d g 0 H q t " v j g u g " t g c u q p u . " R C T " 3 6 2 9 " k u " p q v ' g z r g e v g f " v q " e c w u g " c p { " u w d u n c p v k n ' c f x g t u g " e j c p i g " k p " v j g " u k i p k h e c p e g " q h " c " v t k d c n l e w n w t c n t g u q w e g " c u " f g h k p g f " k p " R w d r i e " T g u q w e g u " E q f g " U g e v k p p " 4 3 2 9 6 0 "

C u ' r c t v q h t g r g c u k p i " v j k u " E G S C " f q e w o g p v h q t " r w d r i e " t g x k g y " c p f " e q o o g p v " v j g " U q w j " E q c u v " C S O F " c n u q " r t q x k f g f " c " h q t o c n l p q v k e g " q h ' v j g " r t q r q u g f " r t q l g e v " v q " c m l E c r i h q t p k c " P c v k x g " C o g t l e c p " V t k d g u " \* V t k d g u + v j c v t g s w g u v g f " v q " d g " q p " v j g " P c v k x g " C o g t l e c p " J g t k c i g " E q o o k u l k p p a i " P C J E + p q v k h e c v k p p " r k u v r g t " R w d r i e " T g u q w e g u " E q f g " U g e v k p p " 4 3 2 : 2 0 0 8 \* d + 3 + 0 V j g " P C J E " p q v k h e c v k p p " h u v r t q x k f g u " c " 5 2 / f c { " r g t k q f " f w t k p i " y j k e j " c " V t k d g " o c { " t g u r q p f " v q " v j g " h q t o c n l p q v k e g . " k p " y t k k p i . " t g s w g u v k p i " e q p u w n c v k p p " q p " v j g " r t q r q u g f " r t q l g e v 0 "

K p " v j g " g x g p v " v j c v " c " V t k d g " u w d o k u " c " y t k w g p " t g s w g u v " h q t " e q p u w n c v k p p " f w t k p i " v j k u " 5 2 / f c { " r g t k q f . " v j g " U q w j " E q c u v " C S O F " y k n i l p k k c v g " c " e q p u w n c v k p p " y k j " v j g " V t k d g " y k j k p " 5 2 " f c { " u " q h " t g e g x k p i " v j g " t g s w g u v " l p " c e e q t f c p e g " y k j " R w d r i e " T g u q w e g u " E q f g " U g e v k p p " 4 3 2 : 2 0 0 8 \* d + 0 E q p u w n c v k p p " g p f u " y j g p " g k j g t < " 3 + " d q v j " r c t v k g u " c i t g g " v q " o g c u w t g u " v q " c x q k f " q t " o k k i c v g " c " u k i p k h e c p v " g h h g e v " q p " c " V t k d c n l E w n w t c n l T g u q w e g " c p f " c i t g g f " w r q p " o k k i c v k p p " o g c u w t g u " l i j c m l d g t g e q o o g p f g f " h q t " k p e n w u k p " k p " v j g " g p x k t q p o g p v c n l f q e w o g p v " j u g g " R w d r i e " T g u q w e g u " E q f g " U g e v k p p " 4 3 2 : 4 0 5 \* c + \_ = " q t . " 4 + " g k j g t " r c t v . " c e v k p i " k p " i q q f " h c k j " c p f " c h g t t g c u q p c d r g " g h h q t v . " e q p e n w f g u " v j c v b o w w c n l c i t g g o g p v l e c p p q v d g t g c e j g f " j u g g " R w d r i e " T g u q w e g u " E q f g " U g e v k p p " 4 3 2 : 2 0 0 8 \* d + 3 + 4 + " c p f " U g e v k p p " 4 3 2 : 2 0 0 8 \* d + 3 + 0 "

## Conclusion

D c u g f " w r q p " v j g u g " e q p u l f g t c v k p p u . " u k i p k h e c p v " c f x g t u g " e w n w t c n t g u q w e g u " l o r c e w i " c t g " p q v ' g z r g e v g f " h t q o " l o r n g o g p v k p i " R C T " 3 6 2 9 0 U k e g " p q " u k i p k h e c p v e w n w t c n t g u q w e g u " l o r c e w i " y g t g " k f g p v k h g f . " p q " o k k i c v k p p " o g c u w t g u " c t g " p g e g u c t { " q t " t g s w k t g f 0 "

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>VI. ENERGY.</b>	Y qwf "y g" r tqlgev"				
c+	Eqphlev" y kj " qt" qdwtwev" cf qr vgf " gpgti { "eqpugtxcvkqp" r rcpu." c" uvcg" qt" mjecn" r rcp" hqt" tpgy cdrq" gpgti { ." qt" gpgti { "ghhlekpe{ A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	Tguwn" kp" yj g" pggf" hqt" pgy " qt" uwdwcpvkcm{ "cmgtgf" r qy gt" qt" pcwtcn" i cu'wkwk{ "u{ ugo uA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+	Etgcvg" cp{ "uki plhlecqv" ghgcu" qp" mjecn" qt" tgi kqpcn" gpgti { " uwr r rkgu" cpf" qp" tgs wktgo gpw" hqt" cf f kqpcn" gpgti { A"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f+	Etgcvg" cp{ "uki plhlecqv" ghgcu" qp" r gcm" cpf" dcug" r gkqf " f go cpf u" hqt" ggevtlek{ " cpf" qy gt" hqt" u" qh" gpgti { A"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g+	Eqo r n{ " y kj " gzkukpi " gpgti { " uvcpf ctf uA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h+	Tguwn" kp" r qvgpvkcm{ " uki plhlecqv" gpstkqpo gpvcn" ko r cev" f wq" y cuvhwn" kpglhlekpv" qt" wppgeguuct{ " eqpuwo r vkqp" qh" gpgti { " tguqwtgu" f wtkpi " r tqlgev" eqputwevkqp" qt" qr gtcvkqpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i+	Tgs wktg" qt" tguwn" kp" yj g" tgmecvkqp" qt" eqputwevkqp" qh" pgy " qt" gzc r cpf gf" ggevtle" r qy gt." pcwtcn" i cu" qt" vgrgego o wplecvkqp" hcekkkgu" yj g" eqputwevkqp" qt" tgmecvkqp" qh" y j lej" eqwf " ecwug" uki plhlecqv" gpstkqpo gpvcn" ghgcuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Ko r cev" vq" gpgti { "tguqwtgu" y km'dg" eqpukf gtgf "uki plhlecqv" h'cp{ "qh" yj g" hqmy kpi "etkgtk" ctg" o gv"

/ Vj g" r tqlgev" eqphlev" y kj " cf qr vgf " gpgti { "eqpugtxcvkqp" r rcpu" qt" uvcpf ctf uO

/ Vj g" r tqlgev" tguwn" kp" uwdwcpvkcm{ gr rkvqp" qh" gzkukpi " gpgti { "tguqwtgu" uwr r rkguO

/ Cp" kpetgcug" kp" f go cpf " hqt" wkwkkgu" ko r cev" yj g" ewtgpv'ecr cekkgu" qh" yj g" ggevtle" cpf " pcwtcn" i cu'wkwkkguO

/ Vj g" r tqlgev" wugu" gpgti { "tguqwtgu" kp" c" y cuvhwn" cpf lqt kpglhlekpv" o cppgtO

### Discussion

RCT"3629" y km'tgf weg" go kukqpu" qh" ctugple." ecf o kwo " cpf " plengn" hqo " pqp/ ej tqo kwo " o gvcn" o gmkpi " qr gtcvkqp" d{ "tgxkukpi " go kukqp" uvcpf ctf u." guvdrkuj kpi " o qpkaqt kpi " r tqxkukqpu" hqt" ckt"

r qmwwkp"eqpvtqnl'gs wkr o gpv."cf f lpi "dwkrf lpi "gperquwtg'r tqxkukqpu'v'iko k'lwi k'xg'go kuukqpu."cpf " w f c'v'kpi " j qwugnggr lpi ." uqwtg" v'gukpi ." cpf " o qpkqtkpi ." tgeqtf nggr lpi ." cpf " tgr qt'v'kpi " tgs wkt go gpw'0'Qh'y g'76'82'hcekkkku'lp"Uqwj 'Eqcu'CS O F'au'ltkuf levkqp'y c'v'ctg'uwdlgev'v'q'RCT" 3629."cm'76'82'hcekkkku'y qwr'f"dg'tgs wkt gf "v'q'eqpf wev'j qwugnggr lpi ."h'qwt'hcekkkku'y qwr'f"pggf "v'q" kpuwcm'go kuukqpu"eqpvtqnl'f gxlegu"30'0'dci j qwugu."h'qwt'hcekkkku'y qwr'f"pggf "v'q'eqpwt wev'dwkrf lpi " gperquwtgu."3;-38'hcekkkku'y qwr'f"pggf "v'q'o cng'o k'pqt"ko r tqxgo gpw."3;-35'hcekkkku'y qwr'f"dg" tgs wkt gf "v'q'eqpf wev'r g'ltkf le'uo qng'v'guu."g'ltkf le'uo qng'v'guu."35'hcekkkku'y qwr'f"pggf "v'q'kpuwcm'go kuukqpu"eqpvtqnl' f gxleg'o qpkqtkpi "gs wkr o gpv."cpf "35'45'hcekkkku'y qwr'f"dg'tgs wkt gf "v'q'eqpf wev'r g'ltkf le'uo qwtg" v'gukpi 0' "

**VI. a), e) & f) No Impact.** RCT"3629"ku"pqv"gzr gev'f "v'q'eqphlev'y kj "cp{"cf qr v'f "gpgti {"eqpugt'xcv'kqp'r r'cpu'qt'x'k'q'w'g'cp{"gpgti {"eqpugt'xcv'kqp'uc'p'f'ctf'u'd'gecwug'gz'k'k'p'i "hcekkkku'y qwr'f" dg'gzr gev'f "v'q'eqp'v'p'w'g'ko r ngo gp'v'kpi "cp{"gz'k'k'p'i "gpgti {"eqpugt'xcv'kqp'r r'cpu'v'j c'v'ctg'ewt'g'p'v'v'k'p'i "r r'ceg'tgi ctf'ng'uu'q'h'y j g'v'j gt"RCT"3629"ku"ko r ngo gp'v'f'0'V'j g'ko r ngo gp'v'k'p'i "q'h'RCT"3629'y km' cr r'nf "v'q'gz'k'k'p'i "hcekkkku'j qy gx'gt."k'y km'c'nuq'cr r'nf "v'q'cp{"pgy "p'q'p'ej t'q'o k'w'o "o g'v'cn'o g'k'p'i " hcekkkku'lp"v'j g'h'w'w'g'0'Uqwj 'Eqcu'CS O F'uc'h'h'ku'p'q'v'cy ctg'q'h'cp{"pgy "hcekkkku'r r'p'p'gf "v'q'dg" eqp'ut'wev'f "lp"v'j g'ko o g'f'k'v'g'h'w'w'g'cp'f "ku'w'p'cd'ng'v'q'r t'g'f'lev'qt'h'q'g'ec'v'v'y j gp."h'cp{"y qwr'f"dg" dw'k'k'p'i "v'j g'p'p'i /v'g'to 0'C'p{"gpgti {"t'g'u'q'w'teg'u'v'j c'v'o c{"dg'p'gegu'uct {"v'q'k'p'uc'm'd'w'k'f' lpi "g'p'eq'ut'gu." dci j qwugu."cpf "o qpkqtkpi "gs wkr o gpv."cpf "eqpf wev'uqwtg'v'guu'cpf "uo qng'v'guu'y qwr'f"dg'w'ug'f "v'q" cej k'g'x'g't'g'f'we'v'k'p'u"lp"ctug'p'le."ecf'o k'w'o ."cpf "p'len'gn"cpf "v'j g't'g'ht'g."y qwr'f"pqv"dg"wk'p'i "p'q'p' /t'g'p'gy c'd'ng't'g'u'q'w'teg'u'lp"v'j c'v'g'h'w'w'o c'p'p'gt'0'H'q't'v'j g'ug't'g'cu'q'pu."RCT"3629"ku"pqv"gzr gev'f "v'q'eqphlev" y kj "gpgti {"eqpugt'xcv'kqp'r r'cpu'qt'gz'k'k'p'i "gpgti {"uc'p'f'ctf'u."qt"v'ug'p'q'p'/t'g'p'gy c'd'ng't'g'u'q'w'teg'u'lp"v'j c'v'g'h'w'w'o c'p'p'gt'0' "

**VI. b), c), d), & g) Less Than Significant Impact.** Ko r ngo gp'v'k'p'i "q'h'RCT"36; 9'y km't'gu'w'v'lp" v'j g'eqp'ut'we'v'k'p'i "q'h'dci j qwugu"cpf "dw'k'f' lpi "g'p'eq'ut'gu."cpf "v'j g'k'p'uc'm'v'k'p'i "q'h'go kuukqpu"eqpvtqnl' f gxleg'o qpkqtkpi "gs wkr o gpv'0'Q'peg'dci j qwugu'ctg'qr g't'c'v'k'p'c'n"gr'gevt'lek'v' "y km'd'g'w'ug'f "v'q'r qy gt" d'ny g'tu'v'q'f't'cy "gz'j c'w'v'h'w'o g'u'v'j t'q'w'i j "v'j g'dci j qwugu'0'V'j g'k'p'et'g'cu'g'f"gr'gevt'lek'v' "v'q'r qy gt"32'pgy " dci j qwugu'y km'p'q'v't'gu'w'v'lp"v'j c'p'p'gf "h'q't'pgy "qt"u'w'd'uc'p'v'k'c'm' "c'ng't'g'f "r qy gt"u'v'go u."d'gecwug"v'j g" dci j qwugu'y km'd'g'ug't'x'g'f "d{"gz'k'k'p'i "r qy gt"u'w'r'r'k'gu'0'V'j g'r t'q'l'g'ev'f "k'p'et'g'cu'g'f"gr'gevt'lek'v' "f'go c'p'f'u" v'j c'v'o c{"t'gu'w'v'h'q'o "RCT"3629'ctg'r t'g'ug'p'v'f "lp"V'cd'ng'4/: 0' "

**Table 2-8**  
**Increases in Electricity Demand For Operating Baghouses**

Equipment	Energy Demand (GWhr) <sup>c</sup>
Dci j qwug <sup>c</sup>	2024"
Uqwj 'Eqcu'CS O F'Lt'k'uf'lev'k'p'i" Gr'gevt'lek'v' "G'p'f'W'ug'E'q'pu'w'o r'v'k'p'd"	342.432"
<b>Total Increase Above Baseline</b>	<b>0.000002%</b>
<b>Significance Threshold</b>	<b>1%</b>
<b>Significant?</b>	<b>No</b>

P'q'gu<"

c+ V'j km'c'p'cn'f'uk'i'cu'w'w'o g'u'dci j qwug'd'ny g'tu'qr g't'c'v'v'c'v'97'h'k'ny c'w'u.'46'j q'w'u'r'gt'f'c'f'.'587'f'c'f'u'r'gt'f'g'ct"

d+ Uqwj 'Eqcu'CS O F.'4238'C'k'S'w'k'v'f' "O'c'p'ci go gp'v'R'p'p'.'E'j cr v'gt'32'v'j [w'r'u'd'ly'y'y'Q's'o'f'0'q'x'lf'q'eul'f'g'h'w'v' /u'q'w'teg'le'g'c'p'c'k't'r'p'p'ul'c'k't's'w'k'v'f' /o'c'p'ci go gp'v'r'p'p'u'4238'c'k't's'w'k'v'f' /o'c'p'ci go gp'v'r'p'p'p'c'n'4238/ c's'o'r'le'j cr v'gt'32'f'h'f'ut'p'p'6'f'](#)

e+ Q'p'g'I'Y'j't'f'k'i'c'y'c'w'j'q'w't'p'p'32' ; 'y'c'w'j'q'w'tu"



Ko r ngo gpv'kpi "RCT"3629"y qwf "pqv'tgs wkt g'wkkkku'r tqxf kpi "cf f kkkpcn'grevt'lekv' "vq"vj g'ch'gevgf "hcekkkku"vq"uwdwcp'kcm' "cmgt"vj gkt'r qy gt "u{ ugo u'dgecwug"cp{ "cf f kkkpcn'gpgti { "pggf gf "ecp"dg" r tqxf gf "htqo "gzkkkpi "uwr r kgu"0Hwt y gt. "ukpeg"pcwtcn'i cu'y qwf "pqv'dg"pggf gf "vq"ko r ngo gpv'cp{ "qh'vj g'r j { ulecn'ej cpi gu'vj cv'o c { "qeewt"cu'r ctv'qh'ko r ngo gpv'kpi "RCT"3629. "pq"ej cpi g'vq"gzkkkpi "pcwtcn'i cu'uwr r kgu"cpf "wuci g'y qwf "dg"gzr gevgf "vq"qeewt"0Kp"cf f kkkp. "dgecwug"RCT"3629"y km' pqv'tgs wkt g'pgy "hcekkkku"vq"dg"eqputwevgf "cpf "dgecwug"pgy "gpgti { "f go cpf u'ecp"dg"ucv'kukgf "htqo "gzkkkpi " r qy gt" u{ ugo u. "ko r ngo gpv'ckqp" RCT" 3629" y qwf "pqv" tguwn' kp" vj g" tgmecv'kqp" qt" eqputwev'kqp"qh'pgy "qt"gzr cpf gf "grevt'le"r qy gt. "pcwtcn'i cu'qt"vng'eqo o wplecv'kqp"hcekkkku"0

### Fuel Usage during Construction

F wtkpi "eqputwev'kqp. "r qtcdng"eqputwev'kqp"gs wkr o gpv'\*g0 0'y grf gtu. "etcpgu. "gve0"wguf "vq"eqputwev' dwkf kpi "gperquwtgu"cpf "kpucm'dci j qwugu"y km'eqpuwo g'f kgugn'hwgn"cu"y km'xgpf qt"t wem'u"vj cv' r tqxf g'f grkxgt'kgu"qh"gs wkr o gpv'cpf "dwkf kpi "o cvgt'kcu"0I cuqrkpg"y km'dg"tgs wkt gf "vq"qr gtcvg" y qtngtu'xgj kengu"cu"vj g { "eqo o wg"vq"vj g"eqputwev'kqp"ukgu"cu"y gmf

Vq"guvko cvg"oy qtuw/ecugö"gpgti { "ko r cevu"cuqekcvgf "y kj "eqputwev'kqp"cevk'kkku. "Uqwj "Eqcuw" CS O F "uchh"guvko cvgf "vj g"vqcn'i cuqrkpg"cpf "f kgugn'hwgn"eqpuwo r v'kqp"htq"gcj "ch'gevgf "hcekkk { "f wtkpi "eqputwev'kqp"cpf "qr gtcv'kqp"dcugf "qp"ECTDai"QHHTQCF 4233"o qf gmf

EcrGGO qf "xgtukqp"4238504"y cu'wguf "vq"ecrevw'v'eqputwev'kqp"go kuukpu'htq"dcj j qwug'kpucm'v'kqp" cpf "dwkf kpi "gperquwtg"eqputwev'kqp"\*y q'y cmu'r gt "hcekkk { +y j kej "y cu'f gvgto kpgf "htqo "vj g'f gh'wv" v'kr "ngpi vj u'htq"eqputwev'kqp"y qtngt "eqo o wg"v'kr u"\*g0 0"52"o kgu'r gt "y qtngt "tqwpf "v'kr "vq"htqo " vj g"eqputwev'kqp"ukg"r gt "f c { +cpf "xgpf qt"v'kr u"\*g0 0"37"o kgu'r gt "xgpf qt"tqwpf "v'kr "vq"htqo "vj g" eqputwev'kqp"ukg"r gt "f c { +0Cf f kkkpcn'y qtngt "v'kr u"cpf "xgpf qt"v'kr u'y gtg"o qf grgf "vq"ceeqwpv'htq" cf f kkkpcn' o kpgt "gperquwtg" ko r tqxgo gpw' cv' 3;-38" hcekkkku" cpf " go kuukqp" eqputqni f gxleg" o qpkqtkpi "gs wkr o gpv'kpucm'v'kqp"cv'gk-j-v-35" hcekkkku"0Y qtngt "v'kr u'y gtg"cuwo gf "vq"qeewt"kp" i cuqrkpg"xgj kengu. "i gw'kpi "c"hwgn'geqpqo { "tcvg"qh'err tqzko cvgn' "43"o ri. "cpf "xgpf qt"t wem'v'kr u" y gtg"cuwo gf "vq"dg"hwgrgf "d { "f kgugn"i gw'kpi "err tqzko cvgn' "32"o ri 0"Vcdng"4/; "uwo o ct'k gu"vj g" r tq'gevgf "hwgn'wug"ko r cevu"cuqekcvgf "y kj "eqputwev'kqp"cevk'kkku"0F gw'kpf "hwgn'wug"ecrevw'v'kpu" ecp"dg"htqwpf "kp"Cr r gpf kz "D0"

Table 2-9

Annual Total Projected Fuel Usage for Construction Activities

	Diesel	Gasoline
<b>Projected Operational Energy Use (gal/yr)<sup>a</sup></b>	37: "	742"
<b>Year 2017 South Coast AQMD Jurisdiction Estimated Fuel Demand (gal/yr)<sup>b</sup></b>	997.222.222"	9.2: 8.222.222"
<b>Total Increase Above Baseline</b>	<b>0.00002%</b>	<b>0.000007%</b>
<b>Significance Threshold</b>	<b>1%</b>	<b>1%</b>
<b>Significant?</b>	<b>No</b>	<b>No</b>

P qv'ku<

c+ Guvko cvgf "r gcn'hwgn'wuci g'htqo "eqputwev'kqp"cevk'kkku"0F kgugn'wuci g'guvko cvgu'ctg'dcugf "qp"vj g'xgpf qt"v'kr u" cpf "qh'tqcf"gs wkr o gpv'0I cuqrkpg'wuci g'guvko cvgu'ctg'f g'kxgf "htqo "y qtngt"v'kr u"0

d+ Ecrhtqtpk"Cppwcn"TGvckl'Hwgn'Qwngv"Tr gtv'Tguwnu" \*EGE/C37+"Ur tgc'f uj ggu. "4239"Ecrhtqtpk" Gpgti { "Eqo o kuukqp" \*j wr <4y y y Qpgti { Qc0 qx kcm cpce h'c'pur qt'v'kqpaf cv'li cuqrkpg'r k'catg'v'ckm'uw'xg { (j vo n0' ]Ceeguugf "Lxpg"43. "423; 0"

"

"

Vj g"4239"Ecrkhtplc" Cppwcn" Tgvckl" Hwgn" Qwrgv" Tgr qtv" Tguwnu" Itqo " yj g" Ecrkhtplc" Gpgti { " Ego o kuukqp" \*EGE+uj qy " yj cv997" o knkqp" i cmqpu" qh" f kgugn" cpf "9.2: 8" o knkqp" i cmqpu" qh" i cuqrlpg" y gtg" eqpuwo gf "lp"4239" lp" yj g" Dculp0Vj wu. "gxgp" kh" cp" cf f klkpcn"37: "i cmqpu" qh" f kgugn" cpf "742" i cmqpu" qh" i cuqrlpg" ctg" eqpuwo gf "f wtkpi" eqputwekqp. " yj g" hwgn" wuci gu" ctg" 202224' " cpf "202229' " cdqxg" yj g"4239" dcugnpg" hqt" f kgugn" cpf "i cuqrlpg. " tgr gevkxgn. " cpf "dqj" r tqlgevgf "kpetgcugu" ctg" y gm' dgmjy " yj g" Uqwj " Eqcu" CS O F uki pkhecepeg" yj tguj qrf " hqt" hwgn" uwr r n( O' Vj wu. " pq" uki pkhecpv" cf xgtug" ko r cev" qp" hwgn" uwr r n( gu" y qwr " dg" gzt gevgf "f wtkpi" eqputwekqp0"

"

### Fuel Usage during Operation

Qpeg" eqputwekqp" ku" eqo r ngvgf. " y cuvg" i gpgtcvgf " Itqo "32" dci j qwugu" cv" hqt" hceklkku" y knlpggf "vq" dg" eqmgevgf " cpf " j cwrgf " cy c { " cv" ngcu" qpeg" gxgt { " yj tgg" o qpj u" d { " f kgugn" t wemu" O' Hwtj gt. " f kgugn" hwgnf " uqwtg" vguvpi " uwr r qtv" t wemu" cpf " i cuqrlpg/ hwgnf " uqwtg" vguvpi " y qtngt" xgj kergu" y knl" t cxgn" vq" 35" 45" hceklkku" vq" eqpf wev" 43" 57" uqwtg" vguv. " qpeg" gxgt { " hxxg" { gctu01p" cf f klkqp. " i cuqrlpg/ hwgnf " xgj kergu" y knl" dg" wugf " vq" t cpur qtv" vgej pkekpu" vq" r gthqto " uo qng" vguv" cv" 3; " 35" hceklkku" gxgt { " ukz" o qpj u" O' Vj g" cpcn { uku" cuuwo gu" yj cv" gcej " uqwtg" vguvpi. " uo qng" vguv" cpf " y cuvg" j cwtkpi " vtr " y knl" dg" 62" o kgu" t qwpf " vtr O' Vj g" cpcn { uku" cuuwo gu" cp" cxgtci g" hwgn" geqpqo { " qh" 43" o r i " hqt" i cuqrlpg/ hwgnf " r cuugpi gt" xgj kergu. "32" o r i " hqt" f kgugn/ hwgnf " uqwtg" vguvpi " t wemu. " cpf "88" o r i " hqt" f kgugn/ hwgnf " j cwtkpi " t wemu" O' Vj g" r tqlgevgf " hwgnf go cpf " f wtkpi " qr gtcvkqp" ku" r tguvgf " lp" Vcdrg" 4/320"

"

**Table 2-10**  
**Annual Total Projected Fuel Usage for Operation Activities**

	Diesel	Gasoline
<b>Projected Operational Energy Use (gal/yr)<sup>a</sup></b>	<u>44;</u> <u>379</u> "	<u>3;</u> <u>334</u> "
<b>Year 2017 South Coast AQMD Jurisdiction Estimated Fuel Demand (gal/yr)<sup>b</sup></b>	997.222.222"	9.2: 8.222.222"
<b>Total Increase Above Baseline</b>	2022254' "	20222254' "
<b>Significance Threshold</b>	3' "	3' "
<b>Significant?</b>	No	No

P qvgu&lt;

c+ Guvko cvgf "r gcnf hwgn" wuci g" Itqo " eqputwekqp" cev xklku" O' f kgugn" wuci g" guvko cvgu" ctg" dcugf " qp" uqwtg" vguv" cpf " j cwtkpi " vtr uO' i cuqrlpg" wuci g" guvko cvgu" ctg" f gtxkf " Itqo " uqwtg" vguv" cpf " uo qng" vguv" vtr uO'

d+ Ecrkhtplc" Cppwcn" Tgvckl" Hwgn" Qwrgv" Tgr qtv" Tguwnu" \*EGE/C37+" Ur tgc f uj ggu. "4239" Ecrkhtplc" Gpgti { " Ego o kuukqp" \* [wr <ly y y Qpgti { Qc0 qx km cpce htepur qtcvkqpaf cv li cuqrlpg r kcatgvckmuwxg\( q vo n\(](#) ] Ceeguvgf " Lxpg" 43. "423; 0"

Qr gtcvkpcn" i cuqrlpg" t wem" wuci g" ku" qpnl " gzt gevgf " vq" eqpuwo g" cdq w" 334" 3; 3" i cmqpu" qh" i cuqrlpg. " cr r tqzko cvgn { "20222254' " qh" yj g" cppwcn" i cuqrlpg" uwr r n( O' f kgugn" qr gtcvgf " j gcx { " f w { " t wem" wuci g" eqwrf " eqpuwo g" 379" 44; " i cmqpu" qh" f kgugn" y j lej " ku" qpnl "2022254' " qh" yj g" cppwcn" f kgugn" uwr r n( O' Vj g" r tqlgevgf " kpetgcugf " wug" qh" i cuqrlpg" cpf " f kgugn" hwgn" cu" c' t guwn" qh" ko r ngo gpvki " RCT" 3629" ctg" y gm' dgmjy " yj g" Uqwj " Eqcu" CS O F " uki pkhecepeg" yj tguj qrf " hqt" hwgn" uwr r n( O' Vj wu. " pq" uki pkhecpv" cf xgtug" ko r cev" qp" hwgn" uwr r n( gu" y qwr " dg" gzt gevgf " f wtkpi " qr gtcvkqp0"

"

Dcugf " qp" yj g" hqtgi qkpi " cpcn { ugu. " yj g" eqputwekqp" cpf " qr gtcvkqp/ tgr cvgf " cev xklku" cuuqekcvgf " y kj " yj g" ko r ngo gpvki qp" qh" RCT" 3629" y qwr " pq" v wug" gpgti { " lp" c" y cuvg" hwi o cpgt" cpf " y qwr " pq" v t guwn"

"

kp'uwducpvknf gr ngvqp'qh'gzkvpi "gpgti { 'tguqweg"uwr r ngu."etgcw"u"uki pklhecpv" go cpf "qh'gpgti { "  
y j gp" eqo r ctgf "vq" gzkvpi "uwr r ngu" Vj wu." yj gtg" ctg" pq" uki pklhecpv" cf xgtug" gpgti { "ko r cevu"  
cuuqekcvgf "y kj "yj g"ko r ngo gpvcvqp"qh'RCT"36290"

"

### Conclusion

Dcugf "vr qp" yj gug" eqpukf gtcvqpu." uki pklhecpv" cf xgtug" gpgti { "ko r cevu" ctg" pqv" gzt gevfg "htqo "  
ko r ngo gpvpi "RCT"36290"Upep"pq" uki pklhecpv" gpgti { "ko r cevu" y gtg" kf gpvklgf."pq" o kki cvkqp"  
o gcwvgtu"ctg"pgeguuct { "qt'tgs vktgf 0"

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>VII. GEOLOGY AND SOILS.</b> Y qwf "y g" r tqlgev<					
c+ "	F ktgevf " qt " kpf ktgevf " ecwug" r qvcpvkn' uwdvcpvkn' cf xgtug" ghgewu." kpenwf kpi " yj g" tkun' qh' muu." kplwt{." qt " f gcjy " kpxqrxkpi <				
	<ul style="list-style-type: none"> <li>Twr wtg" qh' c" npqy p" gctjy s weng" hcvw." cu" f grkpgcvgf " qp" yj g" o quv' tgegpv' Cns wkuv' Rt kqm " Gctjy s weng" Hcvw" \ qplkpi " O cr " kuwgf " d{ " yj g" Ucvg" I gqmi kuv' hqt " yj g" ctgc" qt " dcugf " qp" qjy gt" uwdvcpvkn' gxkf gpeg" qh' c" npqy p' hcvwA"</li> <li>Utpqi "ugkuo le" i tqwvf "uj cnkpi A"</li> <li>Ugkuo le/tgrcvgf " i tqwvf " hcnwtg." kpenwf kpi " hks wghcevkqpA"</li> <li>Ncpf urkf guA"</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+ "	Tguwn' kp' uwdvcpvkn' uqkn' gtqukqp " qt " yj g" muu' qh' qv uqknA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+ "	Dg" hqecvgf " qp" c" i gqmi le" wplv" qt " uqkn' yj cv' ku' wpuvcdrg" qt " yj cv' y qwf " dgeqo g" wpuvcdrg" cu" c" tguwn' qh' yj g" r tqlgev. " cpf " r qvcpvkn' " tguwn' kp" qp/ " qt " qh' uksg" rcpf urkf g." rvgtcn' ur tgc f kpi . " uwdukf gpeg. " hks wghcevkqp " qt " eqmcr ugA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+ "	Dg' hqecvgf " qp" gzer cpukxg' uqkn' cu' f ghkpgf " kp" Vcdrg" 3: /3/D" qh' yj g" Wplkqto " Dvkrf kpi " Eqf g" *3; ; 6+." etgcvkpi " uwdvcpvkn' f ktgev' qt " kpf ktgev' tkumu' vq' hktg" qt " r tqr gtvf A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+ "	J cxg" uqkn' kpecr cdrg" qh' cf gs wcvgn' " uwr r qt vki " yj g" wug" qh' ugr vke" vcpnu" qt " cngtpcvkg" y cvgy cvgt " f kur qucn' u{ ugo u' y j gtg' ugy gtu' ctg' pqv' cxckncdrg" hqt " yj g' f kur qucn' qh' y cvgy cvgtA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h+ "	F ktgevf " qt " kpf ktgevf " f gustq{ " c" wpls wg" r crgqpvmi kcn' tguqwtg" qt " uksg" qt " wpls wg" i gqmi kcn' hgcwwtgA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

"

**Significance Criteria**

Ko r ceu"qp"y j g'i gqmi lecn'gpxktqpo gpv'y kn'dg'eqpukf gt gf "uki pkhecpv'kh'cp{ "qh'y g'hqmqy kpi " etkgtk'cr r n{ <"

- / Vqr qi tcr j le"cngtcvkpu"y qwf "tguwn"lp"uki pkhecpv'ej cpi gu."f kut wr vkpu."f kur mego gpv." gzecxcvkp."eqo r cevkp"qt"qxgt"eqxgtkpi "qh'nti g"co qwpw'qh'uqk0'
- / Wpks wg'i gqmi lecnitguqwtugu"r cnqpvqmi lecnitguqwtugu"qt"wpks wg'qwetqr u+ctg'r tguqpv'y cv' eqwf "dg"t kuwtdgf "d{ "y j g'eqput wevkp"qh'y g'r tqr qugf "r tqlgev0'
- / Gzr quwtg"qh'r gqr ng"qt"utwewtgu"vq"o clqt "i gqmi le"j c| ctf u"uwej "cu"get y j s wcnng"utwheg" t wr wtg."i tqwpf "uj cni kpi . "rks wghcevkp"qt"ncpf urkf gu0'
- / Ugeqpf ct{ "ugkuo le" ghgeu" eqwf " qeewt" y j lej " eqwf " f co ci g" hcekrk{ " utwewtgu." g0 0' rks wghcevkp0'
- / Qy gt "i gqmi lecn'j c| ctf u"gzku'y j lej "eqwf "cf xgtugn{ "chgev'y g" hcekrk{ ." g0 0'ncpf urkf gu." o wf urkf gu0'
- / Wpks wg'r cnqpvqmi lecnitguqwtugu"qt"ukgu"qt"wpks wg'i gqmi le'hgcwtgu'ctg'r tguqpv'y cv'eqwf " dg"t kgeu"qt"lpf kgeu" f guntq{ gf "d{ "y j g'r tqr qugf "r tqlgev0"

**Discussion**

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ ej tqo kwo "o gven' o gnkpi "qr gtcvkpu"d{ "tgxkupi "go kuukp"ucpf ctf u." gucdriuj kpi "o qpkqt kpi "r tqxkukpu"htq "ckt" r qmwkq"eqpvtqngs wkr o gpv."cf f kpi "dwkf kpi "gpenquwtg'r tqxkukpu"vq"rko k'hw kixg"go kuukpu."cpf " wr fvkpi " j qwugnggr kpi ." uqwtg" ygnkpi ." cpf " o qpkqt kpi ." tgeqtf nggr kpi ." cpf " tgr qtkpi " tgs wkt go gpw0Qh'y g"76'82'hcekrkku'y qwf "Uqwj 'Eqcu'CS O F a'lwtkuf levkp"y cv'ctg"uwdlgev'vq"RCT" 3629."cm76'82'hcekrkku'y qwf "dg'tgs wkt gf "vq"eqpf wev'j qwugnggr kpi ."hqt 'hcekrkku'y qwf "pggf "vq" kpucm'go kuukp"eqpvtqnf gxlegu"0'0'dci j qwugu."hqt 'hcekrkku'y qwf "pggf "vq"eqput wev'dwkf kpi " gpenquwtgu."3;-38'hcekrkku'y qwf "pggf "vq"o cng"o kpqt "ko r tqxgo gpw."3;-35'hcekrkku'y qwf "dg" tgs wkt gf "vq"eqpf wev'r gtkf le"uo qng'vguu."3;-35'hcekrkku'y qwf "pggf "vq"kpucm'go kuukp"eqpvtqnf f gxlegu"o qpkqt kpi "gs wkr o gpv."cpf "35'45'hcekrkku'y qwf "dg'tgs wkt gf "vq"eqpf wev'r gtkf le"uqwtg" ygnkpi 0'

"

**VII. a)"No Impact.** RCT"3629"y qwf "tguwn"lp"eqput wevkp"cevkxkku'cv'gzkupi "chgevgf "hcekrkku" nqecvgf " lp" f gxgnr gf " lpf wutkcn' ugwki u0' Chgevgf " hcekrkku" ctg" gzt gevfg " vq" o cng" dwkf kpi " ko r tqxgo gpw"qp"gzkupi "utwewtgu"vq"eqput wev'dwkf kpi "gpenquwtgu"cpf "kpucm'go kuukp"eqpvtqnf f gxlegu."uwej "y cv'qpn{ "o kpqt"ukg'r tgr ctcvkp"ku'cpvkr cvgf 0Hwt y gt."y j g'r tqr qugf "r tqlgev'f qgu'pqv' ecwug"qt"tgs wkt g'c'pgy "hcekrk{ "vq"dg'eqput wevgf 0Vj gt ghtg."RCT"3629"ku'pqv'gzt gevfg "vq"cf xgtugn{ " chgevi gqr j { ulecn'eqpf kkpup"lp"y j g'F kut le0"

"

Uqwj gtp"Ecnkhtpk"ku"cp"ctgc"qh'npqy p"ugkuo le"cevkxk{ 0'Cu'r ctv'qh'y j g"kuwcepg"qh'dwkf kpi " r gto ku."hcecn'lwtkuf levkpu"ctg'tgur qpukdng'htq "cuwt kpi "y cv'y j g'Wpkhto "Dwkf kpi "Eqf g'ku'cf j gtgf " vq"cpf "ecp"eqpf wev'kpur gev'kpup"vq"gpwtg'eqo r rkepeg0Vj g'Wpkhto "Dwkf kpi "eqf g'ku'eqpukf gt gf "vq" dg"e"ucpf ctf "uchgi wctf "ci ckpu'v'o clqt"utwewtcn'hcnwtgu"cpf "muu'qh'rhg0Vj g'dcuke"htqo wru'uugf " hqt"y j g'Wpkhto "dwkf kpi "Eqf g'ugkuo le" f guki p'tgs wkt g'f gyto kpcvkp"qh'y j g'ugkuo le" | qp g'cpf "ukg" eqgthekgpv."y j lej "tgr tguqpw"y j g'hqwpf cvkq"eqpf kkp"cv'y j g'ukg0Vj g'Wpkhto "Dwkf kpi "Eqf g" tgs wkt go gpw'cnaq'eqpukf gt "rks wghcevkp"r qvkvkn'cpf "guvdrkuj "utkpi gpvtgs wkt go gpw'htq "dwkf kpi " hqwpf cvkpu"lp"ctgcu'r qvkvkn' "uwdlgev'vq"rks wghcevkp0Vj g'o qf khecvkq"qh'gzkupi "utwewtgu"cv' gzkupi "hcekrkku"vq"eqo r ngv"o kpqt "wr i tcf gu"vq"eqo r n{ "y kj "gpenquwtg"tgs wkt go gpw"cpf "y j g" eqput wevkp"qh'pgy "dwkf kpi "gpenquwtgu"cpf "dcj qwugu"y qwf "dg" gzt gevfg "vq"eqphqto "vq"y j g" Wpkhto "Dwkf kpi "Eqf g'cpf "cm'qy gt "cr r rkecdng'ucvg"cpf "hcecn'dwkf kpi "eqf gu0Ut wewtgu"o wu'dg"

f guli pgf "v"eqo r n\ "y kj "y g" Wpklqto "Dwrf lpi "Eqf g\ qpg"6'tgs vkt go gpw'kh'yj g\ "ctg'mqecvgtf "lp" c" ugkuo lecm\ "cevkxg" ctgc0'Vj g" Wpklqto "Dwrf lpi "Eqf g" ku"eqpukf gtgf "v" dg" c" ucpf ctf "uchgi wctf " ci klpv'o clqt "utwewtcl'hckm'gu'cpf "mqu'qh'hkg0Vj wu. "RCT"3629"y qwrf "pqv'cngt"y g"gzr quwtg'qh' r gqr ng" qt" r tqr gtv\ "v" i gqrqi lecn' j c\ ctf u" uwey "cu" gctvj s wengu. "rcpf urkf gu. "o wf urkf gu. "i tqwpf " hckm'g. "qt" qy gt'pcwtcl'j c\ ctf u0Cu'c'tguwn. "uwdupv'cl'ngzr quwtg'qh'r gqr ng"qt "utwewt gu'v\ "y g'tkum' qh'mqu. "kplwt\ . "qt" f gc'y "lpxqrklpi "y g"twr wtg"qh'cp" gctvj s weng" hcvw. "ugkuo le" i tqwpf "uj cnkpi . " i tqwpf "hckm'g"qt "rcpf urkf gu'ku'pqv'cpv'ekr cvgt 0"

**VII. b) Less than Significant Impact.** Upeg"RCT"3629"y qwrf "tgs vktg"y j" o qf kh'ecv'qp"qh' gzklpi "dwrf lpi u"v\ "ucv'kh\ "y g'tgs vkt go gpw'v\ "eqputwv'dwrf lpi "gpenquwtg"cpf "lpucm'go kuukp" eqpvtqnf' gxl'egu. "eqputwv'qp"cevkxklgu'uwey "cu'o kpat"i tcf lpi "o c\ "dg"pgeguuct\ "v" r tgr ctg" c' r'xgn' hqwpf cv'qp"lp"y g'chgevgf "ctgcu0Cu'uwey . "vgo r qtct\ "gtqulqp'tguwnkpi "htqo "i tcf lpi "cevkxklgu'eqwrf " qeewt "kl'cp\ "ctgcu'pggf "v" dg"i tcf gf 0J qy gxt. "i tcf lpi "cevkxklgu'cpf "cp\ "cuuqecvgtf "vgo r qtct\ " gtqulqp"y cv'o c\ "qeewt"ctg"gzr gevgf "v" dg"tgrv'xgn\ "o k'lo cn'ulpeg"y g"gzklpi "hckm'klgu"ctg" i gpgtcm\ "hcv'cpf"j cxg'r t'gxl'qun\ "dggp"i tcf gf "cpf"r cxgf 0Kp"cf f kl'qp. "qpn\ "hwt" hckm'klgu'y qwrf " tgs vktg"y g'cf f kl'qp"qh'y q'y cmu'r gt'hckm\ "v" dg"eqputwv'qp" hwt"gzklpi "r ctv'cl'n'gpenquwtg. " cpf "gcej "gzklpi "r ctv'cl'n' gpenquwtg"y qwrf "dg"gzr gevgf "v" c'itgcf\ "dg" qp" c" tgrv'xgn\ " r'xgn' hqwpf cv'qp0Hqt"y ku'tgcuqp. "pq"wpucdrng"gtvj "eqpf kl'qp"qt"ej cpi gu'lp"i gqrqi le"uwdutwewt gu'ctg" gzr gevgf "v"tguwn'htqo "ko r ngo gpv'kpi "RCT"36290Vj gtghqtg. "ko r cew'v\ "y g'hqu'qh'vqr uqkl'cpf "uqkl' gtqulqp"ctg'ngui'y cp'uki p'kh'ecp0"

**VII. c) "No Impact.** Upeg"RCT"3629"y kn'chgevg'gzklpi "hckm'klgu. "k'ku'gzr gevgf "y cv'yj g'uqkl'v\ r gu' r t'gugp'cv'yj g'chgevgf "hckm'klgu'y kn'pqv'dg"o cf g'htv'yj gt"uwuegr v'cl'ng"v\ "gzr cpukp"qt"r'ks wgh'ecv'qp0' Hwt'yj gto qtg. "uwdukf gpeg"ku"pqv'cpv'ekr cvgtf "v" dg" c" r tqdrng "ulpeg"qpn\ "o kpat"eqputwv'qp"htq" dwrf lpi "ko r tqxgo gpw'ctg"gzr gevgf "v" qeewt"cv'chgevgf "hckm'klgu0Vj g"ctgcu. "y j gtg"y g"gzklpi " hckm'klgu"ctg"mqecvgtf "ctg"pqv'gpxkl'qp"gf "v" dg"r tqpg"v\ "pgy "rcpf urkf g"ko r cew'qt"j cxg"wpks wg" i gqrqi le"hgwtw'gu'ulpeg"y g"gzklpi "hckm'klgu"ctg"ewt'gpn\ "qr gt'cv'qp'cl'ng0Vj wu. "y g'r tqr qugf "r tqlgevgf " y qwrf "pqv'dg"gzr gevgf "v" l'petgcug"qt"gzcegt'cdvg"cp\ "gzklpi "tkum'cv'yj g'chgevgf "hckm\ "mqecv'qp0' K' r ngo gpv'kpi"qh"RCT"3629"y qwrf "pqv'lpxqrkg"tg/mqecv'kpi "hckm'klgu"qp" c"i gqrqi le"wpk'qt"uqkl' yj cv'ku'wpucdrng"qt"y cv'y qwrf "dgeo g'wpucdrng"cu'c'tguwn'qh'yj g'r tqlgevgf "gtghqtg. "k'y qwrf "pqv'dg" gzr gevgf "v" r qv'p'cl'm\ "tguwn'lp"qp/qt"qh'ukg"rcpf urkf g. "rcv'gt'cl'ur tgc f lpi . "uwdukf gpeg. "r'ks wgh'ecv'qp" qt"eqm'r ug0P q"ko r cew'ctg"cpv'ekr cvgt 0"

**VII. d) & e) No Impact.** Vj g"ko r ngo gpv'kpi"qh"RCT"3629"lpxqrkgu" hckm'klgu"o cnkpi "dwrf lpi " ko r tqxgo gpw' uwey "cu" eqputwv'kpi "dwrf lpi " gpenquwtg. "lpucm'kpi " go kuukp" eqpvtqnf' f gxl'egu. " eqpf v'kpi "uqwt'eg"v'guu"cpf "uo qng"v'guu. "lpucm'kpi "o qpkqtl'kpi "gs vkr o gpv'qp"cpf "o k'p'v'cl'kpi " go kuukp" eqpvtqnf' f gxl'egu. "cpf "eqpf v'kpi "j qwugnggr lpi "cevkxklgu0' Cm' qh' yj gug'cevkxklgu"ctg" gzr gevgf "v" dg"eqp'kl'pgf "y kj lp"y g'r tqr gtv\ "h'p'gu'qh'gcej "chgevgf "hckm\ 0' Hwt'yj gt. "RCT"3629" y qwrf "pqv'tgs vktg"y g'lpucm'v'kpi"qh'ugr v'le"v'cpm'qt"qy gt"cn'gt'p'v'xg'y cugy cvgt "f kur qucn'u\ ugo u" ulpeg"gej "chgevgf "hckm\ "y qwrf "dg"gzr gevgf "v" j cxg'cp"gzklpi "l'cpkct\ "u\ ugo "y cv'ku'eqppgevgf " v\ "y g'hqecnl'gy gt "u\ ugo 0Vj gtghqtg. "pq"r gt'qupu'qt"r tqr gtv\ "y kn'idg"gzr qugf "v\ "pgy "ko r cew't'grevgtf " v\ "gzr cpukxg"uqku'qt"uqku"l'p'ecr c'dng"qh'uw'r r qt'v'kpi "y cvgt "f kur qucn'0'Vj wu. "y g"ko r ngo gpv'kpi"qh" RCT"3629"y kn'pqv'cf xgtugn\ "chgevgf"uqku"cuuqecvgtf "y kj "c"lpucm'kpi "c"pgy "ugr v'le"u\ ugo "qt" cn'gt'p'v'xg'y cugy cvgt "f kur qucn'u\ ugo "qt"o qf kh\ lpi "cp"gzklpi "ugy gt0"

**VII. f) No Impact.** RCT"3629"y qwrf "tguwn'lp"eqputwv'kpi"cevkxklgu"cv'gzklpi "chgevgf "hckm'klgu" mqecvgtf "lp" f gxl'gqr gf "lpf wut'cl'n' ugw'kpi u0' Chgevgf "hckm'klgu"ctg" gzr gevgf "v" o cng' dwrf lpi " ko r tqxgo gpw'qp"gzklpi "utwewt gu'v\ "eqputwv'dwrf lpi "gpenquwtg"cpf "lpucm'go kuukp"eqpvtqnf' f gxl'egu. "uwey "y cv'qpn\ "o kpat"ukg'r tgr ct'cv'qp"ku'cpv'ekr cvgt 0' Hwt'yj gt. "y g'r tqr qugf "r tqlgevgf "qgu'pqv"

"

ecwug"qt'tgs wktg'c'pgy 'hcekrk\ 'vq'dg'eqputwewgf 0P q'r t gxlqwn\ 'wpf kwwtdgf 'hpf 'vj cv'o c\ 'eqpvcp"  
 c'wpls wg'r crgqpvrqi kecn'tguqwtg"qt'ukg"qt 'wpls wg'i gqrqi kecn'hgcwtg'y kn'dg'chhgevgf 0Vj gtghqtg."  
 RCT"3629"ku"pqv'gزر gevgf "q"i k t gevn\ "qt"kp f k t gevn\ "f gutq\ { "c" wpls wg'r crgqpvrqi kecn'tguqwtg"qt"  
 ukg"qt 'wpls wg'i gqrqi kecn'hgcwtg0'  
 "

### Conclusion

Dcugf "wr qp"vj gug'eqpukf gtcvkqpu."uki p hlecpv'cf xgtug"i gqrqi { "cpf "uqkn"ko r cevu'ctg"pqv'gزر gevgf "  
 htqo "vj g"ko r ngo gpvcvkqp"qh"RCT"36290'Ukpeg"pq"uki p hlecpv'i gqrqi { "cpf "uqkn"ko r cevu'y gtg"  
 kf gpw hgf . 'pq'o kki cvkqp'o gcuwtgu'ctg'pgeguuct { "qt'tgs wktgf 0"  
 "

"

"

"

"

"		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>VIII. HAZARDS AND HAZARDOUS MATERIALS. Y qwr "vj g'r tqlgev&lt;</b>					
c+ "	Etgcvg'c'uki pklecpvj c  ctf "q'vj g'r wdrie" qt "vj g'gpxktqpo gpv'vj tqwi j "vj g'tqwkpg" vcpur qtv. "wug. "qt 'f kur qucn'qh'j c  ctf qwu" o cvgtknuA'	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d+ "	Etgcvg'c'uki pklecpvj c  ctf "q'vj g'r wdrie" qt "vj g'gpxktqpo gpv'vj tqwi j "tgcucpcedn " hqtguggcdrg" wr ugv" cpf " ceekf gpv' eqpf kklqpu" kpxqixkpi " vj g' tgrgcug" qh' j c  ctf qwu" o cvgtknu" kpvq" vj g' gpxktqpo gpvA'	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+ "	Go kv' j c  ctf qwu" go kulkpu. "qt "j cpf rg" j c  ctf qwu" qt " cewgn( " j c  ctf qwu" o cvgtknu. "uwdxcpogu. "qt "y cuvg" y kj kp" qpg/s wctvgt" o kg" qh' cp" gzkukpi " qt" r tqr qugf "uej qqnA'	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f+ "	Dg"mcevgf "qp" c"ukg" y j lej "ku'kpenmf gf " qp" c" rku' qh' j c  ctf qwu" o cvgtknu" ukgu" eqo r kgf " r wuwcpv' vq" I qxgtpo gpv' Eqf g' E87; 8407 "cpf. "cu" c" tguwn "y qwr " etgcvg'c'uki pklecpvj c  ctf "q'vj g'r wdrie" qt "vj g'gpxktqpo gpvA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+ "	Hqt "c" r tqlgev mcevgf "y kj kp" cp" cklr qtv" ncpf "wug" r ncp" qt. "y j gtg' uwej "c" r ncp" j cu" pqv' dggp' cf qr vgf. "y kj kp" y q' o kgu' qh' c" r wdrie" cklr qtv" qt " r wdrie" wug" cklr qtv." y qwr " vj g' r tqlgev tguwn" kp" c" uchgv " j c  ctf "hqt" r gqr ng" tgukf kpi "qt "y qtnkpi " kp" vj g' r tqlgev' ctgcA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h+ "	Ko r ckt "ko r ngo gpwv kqp" qh' qt "r j { ulecm " kpvthtg" y kj "cp" cf qr vgf "go gti gpe { " tgur qpug' r ncp" qt "go gti gpe { "gxcewv kqp" r ncpA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i+ "	Uki pklecpv " kpetgcugf "htg" j c  ctf "kp" ctgcu' y kj "hco o cdrg" o cvgtknuA'	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



**Significance Criteria**

Ko r ceu'cuuqekv'g'f y kj 'j c| ctf u'y kni'dg'eqpukf gtgf 'uki p'k'hecpv'h'cp { 'qh'v'j g'hqmy kpi 'qeewt<"  
/ P qp/eqo r rkepeg'y kj 'cp { 'cr r rkecdig'f guki p'eqf g'qt'tgi wv'kqp0'

/ P qp/eqphqto cpeg'v'q'P cv'kqpcn'Hkt'g'Rtqvgevkqp'Cuuqekv'kqp'ucpf ctf u0'

/ P qp/eqphqto cpeg'v'q'tgi wv'kqpu'qt'i gpgtcm' 'ceegr v'g'f 'kpf wut { 'r tce'v'legu'tgrv'g'f 'v'q'qr gtcv'kpi " r qile { 'cpf "r tqegf vtgu'eqpegtpkpi "y'j g'f guki p. "eqputwv'kqp. "ugewt'k'f. "rgcn'f gvgevkqp. "ur kni' eqpv'kpo gpv'qt' 'hkt'g'r tqvgevkqp0'

/ Gzr quwt'g'v'q'j c| ctf quw'e'j go k'ecnu'lp'eqpegtp'cv'kqpu'gs wcn'v'q'qt'i tgc'v'g't'v'j cp'y'j g'Go gti gpe { " Tgur qpug'R'rcppkpi 'I w'k'f g'rkpg'GTRI +4'rgxgnu0'

**Discussion**

RCT"3629"y kni'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o g'v'cn' o g'nkpi "qr gtcv'kpu'd { "tgx'kukpi "go kuukqp"ucpf ctf u."guv'cd'ru'j kpi "o qp'k'q'k'kpi "r tqx'kukpu'hq't'c'k' " r qm'w'kqp'eqpvt'q'n'f'g'x'legu' "o gpv.'cf'f'kpi "d'w'k'f'kpi "g'p'enquwt'g'r tqx'kukpu'v'q' 'h'ko k'v'w'i k'k'x'g'go kuukpu.'cpf " w'f'c'v'kpi " j q'w'ug'ng'r kpi. " uq'w'eg" v'g'ukpi. " cpf " o qp'k'q'k'kpi. " tge'q't'f'ng'r kpi. " cpf " tgr'q't'v'kpi " tgs'w'k'go gpw'0'Qh'v'j g'76'82'h'ce'k'k'k'gu'lp'U'q'w'j 'E'q'cu'v'CS O F a'w'lt'k'f'k'v'k'p'v'j c'v'c't'g'w'udl'ge'v'v'q'RCT" 3629.'cm'76'82'h'ce'k'k'k'gu'y q'w'f' 'd'g't'gs'w'k'gf 'v'q'eqpf'w'v'v'j q'w'ug'ng'r kpi. 'h'q'w't'h'ce'k'k'k'gu'y q'w'f' 'p'gg'f'v'q' k'p'uc'm'go kuukqp'eqpvt'q'n'f'g'x'legu'g'0'0'dci j q'w'ug'u.'h'q'w't'h'ce'k'k'k'gu'y q'w'f' 'p'gg'f'v'q'eqputw'v'd'w'k'f'kpi " g'p'enquwt'gu.'3;-38'h'ce'k'k'k'gu'y q'w'f' 'p'gg'f'v'q'o c'ng'o k'p'q't'k'o r tq'x'go gpw.'3;-35'h'ce'k'k'k'gu'y q'w'f' 'd'g' tgs'w'k'gf 'v'q'eqpf'w'v'r g't'k'f'k'le'uo q'ng'v'g'u'u.'g'k'j-v'35'h'ce'k'k'k'gu'y q'w'f' 'p'gg'f'v'q'k'p'uc'm'go kuukqp'eqpvt'q'n' f'g'x'leg'o qp'k'q'k'kpi "gs'w'k'o gpv.'cpf'35'45'h'ce'k'k'k'gu'y q'w'f' 'd'g't'gs'w'k'gf 'v'q'eqpf'w'v'r g't'k'f'k'le'uo'w'eg" v'g'ukpi 0'

**VIII. a) & b) Less than Significant Impact.** RCT"3629"j cu'dggp'f'g'x'g'm'r'g'f'v'q't'gf'weg'r'w'd'ri'e" j g'cn'j "ko r ceu'cpf "gzr quwt'g'v'q'plengn'ctugple."cpf "ecf o kwo 0'h'ce'k'k'k'gu'ct'g'gzr'ge'v'g'f'v'q'k'p'uc'm' go kuukqp'eqpvt'q'n'f'g'x'legu.'eqputw'v'd'w'k'f'kpi "g'p'enquwt'gu'cpf 'v'c'ng'ce'v'k'p'u'v'q'o k'p'ko k'g'et'qu'f't'ch'v' eqpf'k'k'k'p'u.'v'j g't'gd { 't'gf'w'el'kpi 'h'w'i k'k'x'g'go kuukpu'0'c'f'f'k'k'p'cm'f.'h'ce'k'k'k'gu'y kni'd'g't'gs'w'k'gf 'v'q'eqo r n'f' " y kj 'v'j g'p'gy 'j q'w'ug'ng'r kpi "tgs'w'k'go gpw'lp'RCT"3629'v'j c'v'y kni'cnu'j c'x'g'v'j g'g'h'ge'v'q'h'r'g'x'g'p'v'kpi " h'w'i k'k'x'g'go kuukpu'cpf "eqp'ugs'w'g'p'w'f' 't'gf'w'el'kpi 'v'j g'r'q'v'g'p'v'cn'h'q't'v'j g'r'w'd'ri'e'cpf 'v'j g'g'p'x'k'q'po gpv'v'q' dg'gzr'qu'g'f'v'q'plengn'ctugple."cpf "ecf o kwo 0"

H'ce'k'k'k'gu'y kj "gz'k'ukpi "c'k'r'q'm'w'kqp'eqpvt'q'n'f'g'x'legu' "o gpv'ew't'g'p'w'f' 't'ge { eng'q't'j c'w'i'c'y c { 'j c| ctf quw' y cu'g'q't'o c'v'g't'k'cn'q'h'h'uk'g'v'q'c'j c| ctf quw'y cu'g'h'c'p'f'h'kn'0'Vj g't'g'c't'g'p'gy 't'gs'w'k'go gpw'lp'RCT"3629" v'j c'v'y q'w'f' 't'gs'w'k'g'f'w'v'go k'v'kpi "y cu'g'v'q'd'g'v't'c'p'ur'q't'v'g'f'lp'ug'c'ng'f'eqp'v'k'p'gtu'0'Vj k'u'y kni'f'get'g'c'ug' v'j g't'k'um'q'h'j c| ctf quw'y cu'g'gzr'quwt'g'v'q'v'j g'r'w'd'ri'e'cpf "g'p'x'k'q'po gpv'd { 'h'ko k'k'pi 'ku'r'q'v'g'p'v'cn'h'g'ng'c'ug'0' Vj w'u.'p'q'p'gy 'uki p'k'hecp'v'j c| ctf u'c't'g'gzr'ge'v'g'f'v'q'v'j g'r'w'd'ri'e'qt'g'p'x'k'q'po gpv'v'j tq'w'i j 'v'j g'eqp'v'k'p'w'g'f' " tq'w'k'p'g'v't'c'p'ur'q't'v'f'k'ur'qu'cn'q't'g'e { en'kpi "qh'ctugple."ecf o kwo. "cpf "plengn'y cu'g'i g'p'g't'c'v'g'f'c'v'o g'v'cn' o g'nkpi "h'ce'k'k'k'gu'0'Vj g't'gh'q't'g'RCT"3629'ku'p'q'v'gzr'ge'v'g'f'v'q'et'g'c'v'g'c'p'gy 'uki p'k'hecp'v'j c| ctf v'q'v'j g' r'w'd'ri'e'qt'g'p'x'k'q'po gpv'v'j tq'w'i j "t'g'c'u'p'cd'n'f' "h'q't'g'ug'g'cd'ng'w'r'ug'v'eqpf'k'k'k'p'u'lp'x'q'k'k'pi "v'j g't'g'ng'c'ug'q'h' j c| ctf quw'o c'v'g't'k'cn'lp'v'q'v'j g'g'p'x'k'q'po gpv'0'

**VIII. c) Less than Significant Impact.** Qh'v'j g'76'82'h'ce'k'k'k'gu'w'udl'ge'v'v'q'RCT"3629.'v'j g't'g'c't'g'h'k'x'g' h'ce'k'k'k'gu'm'ec'v'g'f'v'j kj k'p'qp'g's'w'ct'v't'g't'o k'ng'q'h'c'ue'j q'q'r'0'J q'y g'x'g't.'h'q'w't'q'h'v'j g'h'k'x'g'h'ce'k'k'k'gu'y kni' eqputw'v'd'w'k'f'kpi "g'p'enquwt'gu.'k'p'uc'm't'q'm'w'r'f'q'q'tu'qt'r'nc'w'k'e'w'k'r'u'qp'g'p'enquwt'g'qr'g'p'kpi u="qp'g" h'ce'k'k'k'f'c'rt'g'c'f { 'j cu'c'h'm'd'w'k'f'kpi "g'p'enquwt'g'lp'r'nc'eg'v'q'p'q'c'f'f'k'k'p'cn'eqputw'v'kqp'y kni'd'g'p'gg'f'g'f' " c'v'v'j ku'h'ce'k'k'k'f'0'U'q'w'eg"v'g'ukpi "y kni'd'g't'gs'w'k'gf'c'v'v'j t'gg'q'h'v'j g'h'k'x'g'h'ce'k'k'k'gu'0'P'q'p'g'v'j g'rg'u'u.'v'j g' eqputw'v'kqp'ce'v'x'k'k'gu'ct'g'gzr'ge'v'g'f'v'q'd'g'o k'p'q't'cpf 'cp { 't'gs'w'k'gf'v'q'w'eg'v'g'ukpi "ch'gt'eqputw'v'kqp"

"  
 ku" eqo r ngv" ku" pqv" gzer gev" v" i gpgtcv" cf fklkpcn" j c| ctf u" cv" vj g" chhgev" hceklkgu" Tcy gt."  
 j qwugngg kpi "tgs vkt go gpw" cpf "ko r tqxgo gpw" v" eqo r ngv" dwkf kpi "gperquwtgu" y kni' o kpo k g"  
 hwi kkg" go kuukpu" Vj gug' hceklkgu" cpf "vj g' pco gu' qh' vj g' uej qqu" cpf "vj gk' r tqzko kkgu" ctg' kf gpvkhgf "  
 kp" Crr gpflz "E0"  
 "

Hwt vj gt. "RCT" 3629" fagu' pqv' kpenf g' pgy "tgs vkt go gpw" qt' cngt' gzkv kpi "tgs vkt go gpw" hqt' j c| ctf qwu"  
 y cuvg' f kur qucr' Hqt' vj ku' tgcup. "cmi 76" 82" hceklkgu. "kpenf kpi "vj g' hkg" vj cv' ctg' mcevgf "y kj kp" qp/ g/  
 s vctvgt' o krg' qh' c" uej qqn' ctg' gzer gev" v" eqp' vpwg' v" cng' vj g' cr r tqr tlcvg" cpf "tgs vkt gf" cev' kpu" v"  
 gpuwt' g" r tqr gt" j cpf kpi "qh" gzkv kpi "s wcp' vkgu" qh" j c| ctf qwu" qt" cewgn' "j c| ctf qwu" o cvgtknu."  
 uwdvcpugu" qt' y cuvg' vj cv' ctg' ewtgpv' i gpgtcv" 0"  
 "

**VIII. d) No Impact.** I qxgtpo gpv' Eqf g" Ugev' kqp" 87; 8407" tghgtu" v" j c| ctf qwu" y cuvg' j cpf kpi "  
 r tcevgu" cv' hceklkgu" uwdlgev' v" vj g' Tguwtegu" Eqpugt' xcv' kqp" cpf "Tgeqxt { "Cev" \*TETC +0P kpg" Vgp"  
 qh' vj g' 76" 82" hceklkgu. "rtgugpv" kp" Crr gpflz "E" ctg' kf gpvkhgf "qp" hku" qh' Ecrh' qtpk' F gr ctvo gpv' qh"  
 Vqzku" Uwdvcpugu" Eqpvtqni' j c| ctf qwu" y cuvg' hceklkgu" r gt' I qxgtpo gpv' Eqf g" Ugev' kqp" 87; 8407"  
 ko r ngo gpv' kqp" qh' RCT" 3629" y kni' ko k' vj g' gzer quwt' g' v' plengn' ctugpk. "cpf" ecf o kwo "cpf" tgf veg"  
 r wdrie" j gcnj "ko r ceu" htqo "gzer quwt' g" v" hwi kkg" cpf "r qkp' v' uqwtugu" d { "tgs vkt kpi " hceklkgu" v"  
 eqputwev' dwkf kpi " gperquwtgu. " kpuvni' go kuukqp" eqpvtqni' f gxlegu. " ko r ngo gpv' j qwugngg kpi "  
 tgs vkt go gpw. "eqpf wev' uqwt' g' vguu" cpf "uo qng' vguu. "kpuvni' o qpkqtkpi "gs vkr o gpv. "cpf" o clp' vclp"  
 go kuukqp" eqpvtqni' gs vkr o gpv' Hwt vj gt. "RCT" 3629" y qwr' tgs vkt g' o gcnly cuvg' v' dg' uqtf gf "kp" eqxgtgf "  
 eqp' vclpgtu" y j krg' cy cklpi "vcpur qtv. " y j lej "f getgcugu" vj g' tkun' qh' go kuukpu" cpf "eqp' cev" y kj "  
 j c| ctf qwu" y cuvg' 0" RCT" 3629" ku" pqv" gzer gev" v" v" kp' vthgt" y kj " gzkv kpi " j c| ctf qwu" y cuvg"  
 o cpci go gpv' r tqi tco u' l' kpeg' hceklkgu" j cpf kpi "j c| ctf qwu" y cuvg' y qwr' dg' gzer gev" v' eqp' vpwg' v"  
 o cpci g" cp { "cpf" cm' j c| ctf qwu" o cvgtknu" cpf "j c| ctf qwu" y cuvg. "kp" ceeqtf cpeg" y kj "cr r rdecdr"  
 hgf gtcn' uvcg. "cpf" mcecn' twgu" cpf "tgi wv' kpu" Vj gtghgt. "eqo r rkepeg" y kj "RCT" 3629" y qwr' "pqv"  
 etgcvg' c' pgy "uki pl' kcepv" j c| ctf "v" vj g' r wdrie" qt' gpv' ktpo gpv' 0"  
 "

**VIII. e) No Impact.** Hgf gtcn' Cxk' v' kqp" Cf o k' k' v' kqp" tgi wv' kqp. "36" EHT" Rctv' 99" 0" Uchg. "Gh' h' k' gpv"  
 Wug" cpf "Rt' g' ugt' xcv' kqp" qh' vj g' Pcxli cdr" Cktur ceg. "r tqxkf g" kphqto cv' kqp" tgi ctf kpi "vj g" v' r gu" qh"  
 r tqlgew' vj cv' o c { "chhgev" p' cxli cdr" Cktur ceg 0" Rt' qlgew' o c { "cf xgtugn { "chhgev" p' cxli cdr" Cktur ceg" kh"  
 vj g { "lp' xqrxg' eqputwev' kqp" qt' cngt' v' kqp" qh' l' utwev' tgu' tgcvg' vj cp' 422" hggv' cdq' xg' i tqwpf "hgxgny kj kp"  
 c' ur gekhgf "f k' v' cpeg' htqo "vj g' p' gctguv' t' wpy c { "qt' qdlgew' y kj kp' 42.222" hggv' qh' cp' ckr qt' v' qt' ugr r' cpg"  
 dcug' y kj "cv' r' gcuv' qp' g' t' wpy c { "o qt' g' vj cp' 5.422" hggv' kp' r' gpi vj "cpf" vj g' qdlgew' y qwr' "gzeggf" c' u' r' g"  
 qh' 322<3" j qtk' qpvcn { "322" hggv' j qtk' qpvcn { "hqt' gcej" qp' g' hq' v' xgt' v' ccm { "htqo "vj g' p' gctguv' r' qkp' v' qh"  
 vj g' t' wpy c { +0"  
 "

Hqwt' qh' vj g' 76" 82" hceklkgu" kf gpvkhgf "kp" Crr gpflz "E" ctg' mcevgf "y kj kp" v' y q' o k' gu" qh' cp' ckr qt' v' 0"  
 J qy gxgt. "eqputwev' kqp" cv' vj gug' hceklkgu" y kni' eqpukv' qh' k' p' v' c' v' kqp" qh' dwkf kpi " gperquwtgu."  
 go kuukqp" eqpvtqni' f gxlegu. "tqm' wv' "f qqtu" qt' r' r' v' k' v' ut' k' u' qp' gperquwt' g' q' r' gpki u. "cpf" cm' qh' vj gug"  
 k' p' v' c' v' kpu" y kni' dg' r' ko k' gf "v" vj g' gzkv kpi "j gki j v' qh' vj g' hceklkgu. "y gmi' d' gny "vj g' 422" hggv' r' ko k'  
 ur gekhgf "kp" 36" EHT" Rctv' 990" Vj gtghgt. "ko r ngo gpv' kqp" qh' RCT" 3629" ku' pqv' gzer gev" v" v' k' p' etgcug"  
 qt' etgcvg' cp { "pgy "uchg { "j c| ctf u" v' r' gqr ngu' y qtnkpi "qt' t' guk' kpi "kp" vj g' x' k' k' p' k { "qh' r' wdrie l' r' t' k' cvg"  
 ckr qt' v' 0"

**VIII. f) "No Impact.** J gcnj "cpf" Uchgv { "Eqf g" Ugev' kqp" 47728" ur gekh' ccm { "tgs vkt gu" cm' dwl' k' p' guugu"  
 j cpf kpi "j c| ctf qwu" o cvgtknu" v" uwdv' k' c" dwl' k' p' guu" go gti gpe { "t' gur qpug" r' r' cp" v" cuukv' mcecn'  
 cf o k' p' k' v' kpi "ci gpeku" kp" vj g' go gti gpe { "t' g' r' cug" qt' vj t' g' v' p' g' f "t' g' r' cug" qh' c" j c| ctf qwu" o cvgtknu"  
 Dwl' k' p' guu" go gti gpe { "t' gur qpug" r' r' cpu' i gpgtcn { "tgs vkt g' vj g' h' qm' y kpi <"  
 "

"

- Kf gpvkhecvkqp"qh"kp f kxf wcnu"y j q"ctg"t gur qpukdng"ht "xctkqu"cevkpu."kpenmf kpi "tgr qtvkpi ."cuukvpi "go gti gpe{ "t gur qpug"r gtuqppgn"cpf "guvdrkuj kpi "cp"go gti gpe{ "t gur qpug"vgco ="
  - Rtqegf wtgu"vq"pqvkh{ "vj g"cf o kpkvgtkpi "ci gpe{ ."vj g"cr r tqr tkvg"mecn"go gti gpe{ "tguewg"r gtuqppgn"cpf "vj g"Ecrlhtpkc"Qhleg"qh"Go gti gpe{ "Ugtxlegu="
  - Rtqegf wtgu"vq"o kki cvg"ctgrgcug"qt "vj tgcvgpgf "tgrgcug"vq"o kpk k g"cp{ "r qvpgvkn" j cto "qt"fc o ci g"vq"r gtuqpu."r tqr gt v{ "qt"vj g"gpvktqpo gpv="
  - Rtqegf wtgu"vq"pqvkh{ "vj g"pgeguuct { "r gtuqpu"y j q'ecp"t gur qpf "vq"cp"go gti gpe{ "y kj kp" vj g"heekkv{ ="
  - F gvknu"qh"gxcewcvkqp"r rpu"cpf "r tqegf wtgu="
  - F guetkr vkpu"qh"vj g"go gti gpe{ "gs vkr o gpv'cxckrdng"kp"vj g"heekkv{ ="
  - Kf gpvkhecvkqp"qh"mecn"go gti gpe{ "o gf lecn"cuukvcpge="cpf ."
  - Vtclpkpi "kpkvkn"cpf "tghtguj gt+r tqi tco u"ht"go r m{ ggu"kp<
- 30' Vj g"uchg"j cpf rkp "qh"j c| ctf qwu"o cvgtknu"vugf "d{ "vj g"dwukpguu="
- 40' O gvj qf u"qh"y qtnkpi "y kj "vj g"mecn"r wdrke"go gti gpe{ "t gur qpug"ci gpekgu="
- 50' Vj g"vug"qh"go gti gpe{ "t gur qpug"t guqwtugu"wpf gt"eqpvtn"qh"vj g"j cpf rgt="
- 60' Qvj gt"r tqegf wtgu"cpf "t guqwtugu"vj cv'y knlpetgcug"r wdrke"uchgv{ "cpf "r t gxpvt"qt" o kki cvg"ctgrgcug"qh"j c| ctf qwu"o cvgtknu"

Kp"i gpgtcn"gxgt{ "eqwpv{ "qt"ekv{ "cpf "cmhceekkvku"vukpi "c"o kpk wo "co qwpv"qh"j c| ctf qwu"o cvgtknu" ctg"tgs vktgf "vq"htgo wrcvg" f gvkxgf "eqpvkpi gpe{ "r rpu"vq"grko kpcvg."qt"cv"rgcu"o kpk k g."vj g" r quukdkkv{ "cpf "ghgevg"qh"htgu."gxr nqukqp."qt"ur kmO"Kp"eqplwpevkqp"y kj "vj g"Ecrlhtpkc"Qhleg"qh" Go gti gpe{ "Ugtxlegu."mecn"lwtkf levkpu"j cxg"gpcevgf "qtf kpcpegu"vj cv'ugv'ucpf ctf u"ht"ctgc"cpf " dwukpguu" go gti gpe{ "t gur qpug" r rpuO' Vj gug" tgs vktgo gpw" kpenmf g" ko o gf kvg" pqvhecvkqp." o kki cvkqp"qh"cp"cewcn"qt"vj tgcvgpgf "tgrgcug"qh"ctf qwu"o cvgtknu"cpf "gxcewcvkqp"qh"vj g" go gti gpe{ "ctgcO"

"

Go gti gpe{ "t gur qpug"r rpu"ctg"v{ r lecm{ "r tgr ctgf "kp"eqqtf kpcvkqp"y kj "vj g"mecn"ekv{ "qt"eqwpv{ " go gti gpe{ "r rpu"vq"gpwvg"vj g"uchgv{ "qh"pqvqpn{ "vj g"r wdrke"uwtqwpf kpi "mecn"eqo o wpkvku+. "dw" vj g"heekkv{ "go r m{ ggu"cu"y gmO'Vj g"r tqr qugf "r tqgvgv"qwr "pqv"ko r ckt"vj g"ko r ngo gpvcvkqp"qh"qt" r j {ulecm{ "kpvthgtg"y kj "cp{ "cf qr vgf "go gti gpe{ "t gur qpug"r rpu"qt"go gti gpe{ "gxcewcvkqp"r rpu" vj cv'o c{ "dg"kp"r rneg"cv'gzkukpi "heekkvkuO'Vj g"dwkf kpi "ko r tqxgo gpw'pgeguuct{ "cv'3638"gzkukpi " heekkvku"vq"eqo r n{ "y kj "RCT"3629"gpemquwtg"tgs vktgo gpw"cpf "vj g"pucvkvkqp"qh"go kuukqp"eqpvtn" f gxlegu"cv"hw"heekkvku"o c{ "tgs vktg"cp"wr f cvg"qh"gej "chgevgf "heekkv{ ku"gzkukpi "go gti gpe{ "t gur qpug"r rpu"vq"tghgevg"vj g"dwkf kpi "o qf khecvkqp="j qy gxgt."vj g"cev"qh"o qf kh{ kpi "cp"go gti gpe{ "t gur qpug"r rpu"vq"tghgevg"vj g"dwkf kpi "o qf khecvkqp"y knlpqv'tgcvg"cp{ "gpvktqpo gpvkn" ko r cevO'Vj gtghgtg."RCT"3629"ku"pqv"gzr gevgf "vq"ko r ckt"vj g"ko r ngo gpvcvkqp"qh"qt"r j {ulecm{ " kpvthgtg"y kj "cp"cf qr vgf "go gti gpe{ "t gur qpug"r rpu"qt"go gti gpe{ "gxcewcvkqp"r rpuO"

"

**VIII. g) Less Than Significant Impact.** Vj g"Wpkhto "Htg"Eqf g"cpf "Wpkhto "Dwkv kpi "Eqf g"ugv" uvcpf ctf u"kvpgf gf "vq"o kpk k g"tkmu"htqo "hco o cdng"qt"qvj gty kug"j c| ctf qwu"o cvgtknuO'Nqecn" lwtkf levkpu"ctg"tgs vktgf "vq"cf qr vj g"wpkhto "eqf gu'qt"eqo r ctdng"tgi wrcvkuO'Nqecn"htg"ci gpekgu" tgs vktg"r gto ku'ht"vj g"vug"qt"uqtc"i g"qh"j c| ctf qwu"o cvgtknu"cpf "r gto k'o qf khecvkqp"ht"r tqr qugf "

"

kpētgcugu'kp'vj gk'wug0Rgto k'eqpf kkpū'f gr gpf "qp'vj g'v'f r g'cpf 's wcpv'k' qh'vj g'j c| ctf qwu'o cvgtknu' cv'vj g'hcek'k' 0'Rgto k'eqpf kkpū'o c{ "kpen'f g. 'dw'ctg'pqv'ko k'gf "vq. "ur gek'k'ecv'kpu'ht'ur t'kpmgt' u'f ugo u. "grg'v'k'ec' u'f ugo u. "xgpv'k'v'k'p. "cpf "eqpv'k'pō gpv'0' Vj g'ht'g'f gr ctvo gpw'o cng' c'p'p'w'c'ri' dwul'p'gu' k'p'ur gev'kpu' vq' gpw'g' eqo r'k'c'p'eg' y k'j " r gto k'v' eqpf kkpū' cpf " qv'j gt' cr r'q'r' t'k'v'g' tgi w'c'v'kpu'0'Hwt'j gt. 'dwul'p'gu'gu'ctg't'gs w'k'gf "vq't'gr q't'v'k'p'etgcugu'kp'vj g'v'q't'ci g'q't'w'ug'q'h'h'co o c'drg' cpf "qv'j gty k'ug'j c| ctf qwu'o cvgtknu'vq'm'ec'ri'ht'g'f gr ctvo gpw'0'N'q'ec'ri'ht'g'f gr ctvo gpw'gpw'g'v'j cv' cf gs w'c'v'g'r gto k'v'eqpf kkpū'ctg'k'p'r' n'eg'vq'r' t'q'v'ev'ci c'k'p'v'j g'r' q'v'p'v'c'ri' t'k'um'q'h'w'ug'0'RCT "3629" y q'w'f "pq'v'ej cpi g'j g'g'z'k'k'p' "t'gs w'k'go gpw'cpf "r gto k'v'eqpf kkpū'ht'j g'r' t'q'r' gt'j cpf r'k'p' "q'h' h'co o c'drg'o cvgtknu'0'Hwt'j gt. "RCT"3629" f'q'gu'pq'v'eqpv'k'p'cp{ "t'gs w'k'go gpw'v'j cv'y q'w'f "r' t'q'o r'v' h'cek'k' "qy p'g'tul'qr g't'c'v'q'tu'vq'd'gi k'p'w'uk'p' "p'gy "h'co o c'drg'o cvgtknu'0'k'p'cf f'k'k'p. "vj g'P'c'v'k'p'c'ri'ht'g' Rt'q'v'ev'k'p'Cu'q'ek'c'v'k'p'j cu'ur gek'ri'f g'uki p'c'v'k'p'ū'ht'f' g'h'ci t'c'v'k'p'ū'g'0'0'g'z'r' m'uk'p'r' t'g'x'g'p'v'k'p'+y j gp' w'uk'p' "o cvgtknu'v'j cv'o c{ "dg'g'z'r' m'uk'x'g'0'Vj g't'g'ht'g. "qr g't'c'v'q'tu'q'h'o g'v'c'ri'o g'uk'p' "h'cek'k'k'g'u'v'j cv'o c{ " k'p'uc'm'p'gy 'd'ci j q'w'ug'u'vq'b' g'g'v'go k'uk'p'eq'p't'q'r'it'gs w'k'go gpw'ctg'g'z'r' gev'f "vq'eqo r' n'f 'y k'j 'P'c'v'k'p'c'ri'ht'g' "Rt'q'v'ev'k'p' "t'gs w'k'go gpw'ht' "g'z'r' m'uk'p'eq'p't'q'r'0'C'f'f'k'k'p'c'ri'k'p'ht'o c'v'k'p' "r' g't'c'k'p'k'p' "vq'v'j g'ug' v'f' r'gu'q'h'r' t'q'v'ev'k'g'o g'cu'w't'gu'k'u'c'x'c'k'c'drg'k'p'E'j cr v'gt. "qh'vj g'Industrial Ventilation, A Manual for Recommended Practice for Design." 4: v' "G'f k'k'p. "r' w'd'r'k'uj g'f "d{ "vj g'Co g't'k'ec'p'Eq'p'ht'g'p'eg' "q'h' I q'x'g't'pō gp'v'c'ri'k'p'f' w'ut'k'ri'J { i k'g'p'k'u. 'Í 42350'

## Conclusion

D'cu'gf "w'r' qp'vj g'ug'eq'p'uk'f g't'c'v'k'p'ū. 'u'ki p'h'k'ec'p'v'f' x'g't'ug'j c| ctf u'cpf 'j c| ctf qwu'o cvgtknu'k'o r'cev'u'ct'g' p'q'v'g'z'r' gev'f 'h'q'o 'k'o r' n'go gp'v'k'p' 'RCT"36290'U'p'eg'p'q'ū'ki p'h'k'ec'p'v'j c| ctf u'cpf 'j c| ctf qwu'o cvgtknu' k'o r'cev'u'y g't'g'f' gp'w'k'gf. 'p'q'o k'ki c'v'k'p'o g'cu'w't'gu'ct'g'p'ge'gu'uct{ "q't' t'gs w'k'gf 0"

"

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
"					
"					
<b>IX. HYDROLOGY AND WATER QUALITY.</b> Y qwf "y g'r tqlgev<					
c+	Xlqrcvg" cp{ " y cvgt" s wrkv{ " ucpf ctf u." y cvgt" f kiej cti g" tgs vktgo gpvu." qt" qvj gty kug' uducpvkm{ "f gi tcf g' uwhceg" qt" i tqwpf "y cvgt" s wrkv{ A"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d+	Uducpvkm{ " f getgcug" i tqwpf y cvgt" uwr rkgu" qt" kvgthgtg" uducpvkm{ "y kj " i tqwpf y cvgt" tgej cti g" uvej " yj cv' yj g" r tqlgev" o c{ " ko r gfg" uwuclpcdng" i tqwpf y cvgt" o cpci go gpv'qh' yj g' dculpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+	Uducpvkm{ "cngt" yj g'gzkvkpi "f tclpci g" r cwgt" qh' yj g' uksg" qt" ctgc." kpenmf kpi " yj tqwi j " yj g'cngtcvkqp" qh' yj g' eqwtug" qh' c" utgco "qt" tkxgt" qt" yj tqwi j " yj g' cf f kkvqp" qh' ko r gtxkqu" uwhcegu." kp" c" o cppgt" yj lej "y qwf <"	"	"	"	"
	• Tguwn' kp" uducpvkn' gtqvkqp" qt" ukncvkqp" qp/"qt" qh' uksgA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	• Uducpvkm{ " kpetgcug" yj g' tcvgt" qt" co qwpv' qh' uwhceg" twpqhh" kp" c" o cppgt" yj lej " y qwf " tguwn' kp" hmqf kpi "qp/"qt" qh' uksgA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	• Etgcvg" qt" eqpvtkdwg" twpqhh" y cvgt" yj lej "y qwf "gzeggf" yj g' ecr cekv{ "qh' gzkvki " qt" r rppgf" uqto " y cvgt" f tclpci g" u{ ugo u" qt" r tqxkf g" uducpvkn' cf f kkvpcn' uqwtugu" qh' r qmwgf "twpqhhA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	• Ko r gfg" qt" tgf kgevhmqf "hmy uA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f +	Kp" hmqf " j c  ctf." vwpco k" qt" uglej g"   qpgu. "tkm' tgrgcug" qh' r qmwcpvu" f wg" vq" r tqlgev' kpwpf cvkqpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+	Eqphiev' y kj " qt" qduwewv' ko r ngo gpvcvkqp" qh' c" y cvgt" s wrkv{ " eqpvtqn' rcp" qt" uwuclpcdng" i tqwpf y cvgt" o cpci go gpv' r rcpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
"					
"					

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
"					
"					
h+	Tgs wkt g"qt "tguwn"kp"vj g"tgmev kqp"qt" eqputwev kqp"qh'pgy "qt"gzr cpf gf "y cvgt." y cugy cvgt" tgcvo gpv"qt"uqto "y cvgt" f tclpci g."hceklkgu"qt"pgy "uqto "y cvgt" f tclpci g"heklkgu"vj g"eqputwev kqp"qt" tgmev kqp" qh" y j lej " eqwrf " ecwug" uli p hcecpv'gpxktpo gpvcr'ghgewuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i +	J cxg'lw hcekp v'y cvgt"uwr r kgu'cxckrdrg" vq" ugtxg" vj g" r tqlgev" cpf " tgcuppcdn " hqtguggcdrg"hwmt g"fgxgmr o gpv'f wtkpi " pqto cn"ft{ "cpf "o wmk rg"ft{ "{ gctuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j +	Tguwn" kp" c" f gvgto kpcv kqp" d{ " vj g" y cugy cvgt" tgcvo gpv" r tqxkf gt" y j lej " ugtxgu"qt"o c{ "ugtxg"vj g" r tqlgev"vj cv'kv" j cu" cf gs wcvg" ecr cekv{ " vq" ugtxg" vj g" r tqlgev'u"r tqlgevgf "f go cpf "kp"cf f kkp" vq" vj g" r tqxkf gt'u" gzkv kpi " eqo o ko gpwuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Significance Criteria

Rqvgpvcnko r cewu"qp"y cvgt'tguwtegu'y kn'dg"eqpukf gtgf "uki p hcecpv'h'cp{ "qh'vj g'hqmy kpi "  
etkgtlc"cr r n{ <"

"

### Y cvgt "F go cpf <"

- / Vj g"gzkv kpi "y cvgt"uwr r n{ "f qgu"pqv'j cxg"vj g"ecr cekv{ "vq"o gg'vj g'kpetgcugf "f go cpf u'qh'vj g"  
r tqlgev"qt"vj g'r tqlgev'y qwrf "wug"o qtg"vj cp"484.: 42"i cmjpu'r gt"f c{ "qh'r qvcdrg"y cvgt0"
- / Vj g'r tqlgev'kpetgcugu"f go cpf "hqt"vqcrly cvgt"d{ "o qtg"vj cp"hxg"o knkqp"i cmjpu'r gt"f c{ 0"

### Y cvgt "S wckv{ <"

- / Vj g'r tqlgev'y kn'ecwug"f gi tcf cvkqp"qt"f gr ngv kqp"qh"i tqwpf "y cvgt"tguwtegu"uwxucpv kcm{ "  
chgevkpi "ewtgpv"qt"hwmt g"wugu0"
- / Vj g'r tqlgev'y kn'ecwug"vj g" f gi tcf cvkqp"qh"uwxhceg"y cvgt"uwxucpv kcm{ "chgevkpi "ewtgpv"qt"  
hwmt g"wugu0"
- / Vj g'r tqlgev'y kn'tguwn"kp" c" xkqrv kqp"qh"P cvkqpcn'Rqmwcgv'F kiej cti g"Grko kpcv kqp"U{ ugo "  
\*P RF GU+r gto k'tgs wkt go gpwu0"
- / Vj g"ecr cekv kgu"qh"gzkv kpi "qt"r tqr qugf "y cugy cvgt"tgcvo gpv'hceklkgu"cpf "vj g"ucpkct{ "  
ugy gt"u{ ugo "ctg'pqv'lw hcekp v"vq"o gg'vj g'pggf u'qh'vj g'r tqlgev0"
- / Vj g'r tqlgev'tguwnu"kp"uwxucpv kn'kpetgcugu"kp"vj g"ctgc"qh"ko r gt xkqu"uwxhcegu."uwej "vj cv"  
kpwtht gpeg'y kj "i tqwpf y cvgt'tgej cti g"ghqtu'qeewu0"
- / Vj g'r tqlgev'tguwnu"kp"cnvgtcv kpu"vq"vj g"eqwtug"qt"hmj "qh'hmqf y cvgtu0"

## Discussion

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn"ltqo "pqp/ej tqo kwo "o gvcn' o gnkpi "qr gtcvkpu"d {"tgxkukpi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpkkatki "r tqxkukpu"ht"ctk" r qmwkqp"eqpvtqngs wkr o gpv."cf f kpi "dwkf kpi "gpenquwtg'r tqxkukpu"v'iko k'hw kkg"go kuukpu."cpf " w f c k p i " j q w u g n g r k p i . " u q w t e g " v g u k p i . " c p f " o q p k k a t k i . " t g e q t f n g g r k p i . " c p f " t g r q t v k p i " t g s w k t g o g p w 0 Q h ' y j g 7 6 ' 8 2 ' h c e k k k u g u ' l p ' U q w j ' E q c u v ' C S O F a u ' l w t k u f l e v k p ' y j c v ' t g ' u w d l g e v ' v ' R C T " 3 6 2 9 . " c m 7 6 ' 8 2 ' h c e k k k u g u ' y q w r f ' d g ' t g s w k t g f ' v q ' e q p f w e v ' j q w u g n g r k p i . ' h q w ' h c e k k k u g u ' y q w r f ' p g g f ' v q ' k p u v c m ' g o k u u k p ' e q p v t q n f g x l e g u \* g 0 0 ' d c i j q w u g u . ' h q w ' h c e k k k u g u ' y q w r f ' p g g f ' v q ' e q p u t w e v ' d w k f k p i " g p e n q u w t g u . " 3 ; - 3 8 ' h c e k k k u g u ' y q w r f ' p g g f ' v q ' o c n g ' o k p q t ' k o r t q x g o g p w . " 3 ; - 3 5 ' h c e k k k u g u ' y q w r f ' d g ' t g s w k t g f ' v q ' e q p f w e v ' r g t k q f l e ' u o q n g ' v g u u . ' g k j - 3 5 ' h c e k k k u g u ' y q w r f ' p g g f ' v q ' k p u v c m ' g o k u u k p ' e q p v t q n f g x l e g ' o q p k k a t k i " g s w k r o g p v . " c p f " 3 5 ' 4 5 ' h c e k k k u g u ' y q w r f ' d g ' t g s w k t g f ' v q ' e q p f w e v ' r g t k q f l e ' u q w t e g " v g u k p i 0 "

**IX. a) Less than Significant Impact.** RCT"3629"y qwrf "tgs wkt g" hcekkkku"v"o cng" dwkf kpi " ko r tqxgo gpw"v"eqo r n' "y kj "gpenquwtg"tgs wkt go gpw"cpf "go kuukp"eqpvtqnf gxleg"tgs wkt go gpw." cuuwo gf " v q " d g " d c i j q w u g u . " k h " p g g f g f 0 ' P g k j g t " g p e n q u w t g u " p q t " d c i j q w u g u " y k n i ' p q v " i g p g t c v g " y c u g y c v g t ' f w t k p i ' y g k t ' q r g t c v k p 0 V j w u R C T " 3 6 2 9 ' y q w r f ' p q v ' d g ' g z r g e v g f ' v q ' i g p g t c v g ' y c u g y c v g t " l t q o " q r g t c v k p i " g o k u u k p ' e q p v t q n f g x l e g u " q t " g p e n q u w t g u 0 "

J qy gxgt."RCT"3629"eqpvckpu"j qwugnggr kpi "tgs wkt go gpw"v'j cv'tgs wkt g"cm'chgevgf "hcekkkku"v" eqpf wev'engcpki "qh"lmgqtu"y kj kp"42"hgvg"qh"y qtnlucvkp"qt "gpvtcpeg"qt "gzkr' r qkp'v'qh"y"uqtc i g" ctgc"qt"dwkf kpi "gpenquwtg"y j gtg'o gvcn' t k p f k p i " q t ' e w w k p i " q r g t c v k p u ' y k j q w ' y j g ' w u g ' q h ' c ' y q t n k p i " h n k f ' k u ' e q p f w e v g f . " c p f ' y k j k p " 3 2 ' h g g v ' q h ' t c p u h g t ' r q k p u ' q h ' c p ' g o k u u k p ' e q p v t q n f g x l e g ' f g f l e c v g f ' v q " y j g ' o g v c n i t k p f k p i " q t ' o g v c n l e w w k p i " q r g t c v k p u ' y k j q w ' y j g ' w u g ' q h ' c ' o g v c n l y q t n k p i " h n k f 0 R C T " 3 6 2 9 " c n u q " y k n i ' t g s w k t g " y g g m l " e n g c p k i " h q t " c m i ' c t g e u " y j g t g ' h w t p c e g " c p f " e c u k p i " q r g t c v k p u " q e e w " c p f " y c u g ' i g p g t c v g f " l t q o " j q w u g n g r k p i " c e v x k k u g u " c t g ' u q t g f . " f k u r q u g f " q h " t g e q x g t g f . " q t ' t g e { e n g f 0 C m i ' h c e k k k u g u " y q w r f " d g " t g s w k t g f " v q " e q p f w e v " s w c t v g t n l " e n g c p k i " q h " e q n g e v k p " x g p w . " f w e v k p i . " c p f " q r g p k p i u ' q h ' g c e j ' o g v c n b g n k p i " q r g t c v k p " g o k u u k p ' e q p v t q n f g x l e g 0 C r r t q x g f ' o g y q f u ' h q t ' e n g c p k i " k p e n f g " j k i j " g h h k e k p e { ' r c t k e w r c v g " c t t g u q t " \* J G R C + " x c e w w o . " y g v ' y c u j . " y g v ' o q r . " f c o r " e m j . " c p f " m q y " r t g u u w t g " u r t c { " y j k e j " o c { " t g u u w l k p " k p e t g c u g f " y c v g t " w u c i g " c p f " y c u g y c v g t " i g p g t c v k p " y j c v ' o c { " t g s w k t g " t g c w o g p v " q t " e n g c p k i " r t k q t " v q " f k u r q u c i 0 "

Cp{ "hcekkkku"v'j cv'eqpf wev"y gv'engcpki . "dw"v'j cv'f qgu"pqv'ewttgpw" j cxg"y cugy cvgt"tgcw gpv" u{ ugo "qt"y cugy cvgt" f k u e j c t i g ' r g t o k v " y j g ' f k v l " y c v g t ' t g u u w l k p i " l t q o " y g v ' e n g c p k i " y q w r f ' p g g f " v q " d g " e q n g e v g f . " u q t g f " c p f " f k u r q u g f " q h ' c u j " c l c t f q w u ' b c v g t k c n i ' c p f " y j g u g ' h c e k k k u g u ' y q w r f ' d g ' t g s w k t g f " v q " e q o r n l " y k j " c r r l e c d r g " j c l c t f q w u ' y c u g f " f k u r q u c i n t g i w r c v k p u 0 V j w u . " y j g ' e q n g e v g f " f k v l " y c v g t ' c v " y j g u g ' h c e k k k u g u ' y q w r f ' p q v ' d g " c m q y g f " v q " d g " f k u e j c t i g f " c u " y c u g y c v g t 0 C p { " h c e k k k u " v ' j c v ' e q p f w e v " y g v ' e n g c p k i " c p f " j c u " c " y c u g y c v g t " f k u e j c t i g ' r g t o k v " y q w r f " d g " g z r g e v g f " v q " e q o r n l " y k j " y j g " r g t o k w g f " g h h w g p v f k u e j c t i g ' e q p e g p t c v k p " c p f " l m q y " i k o k u ' y j k e j " o g c p u " y j g ' y c u g y c v g t " i g p g t c v g f " l t q o " y g v ' e n g c p k i " y q w r f " h k n g l " p g g f " v q " d g " t g c v g f " r t k q t " v q " f k u e j c t i g 0 "

Hwtv gt."RCT"3629"y kn'tgf weg"ctk"go kuukpu"qh"ctugple."ecf o kwo . "cpf "plengn"ltqo "pqp/ej tqo kwo " o gvcn' o gnkpi " hcekkkku0Vj g u g " t g f w e v k p u " c t g " g z r g e v g f " v q " d g " c e j k x g f " l t q o " k o r m g o g p v k p i " g p j c p e g f " j q w u g n g r k p i " r t c e v k e g u . " e q p u t w e v k p i " d w k f k p i " g p e n q u w t g u . " c p f " k p u v c m k p i " g o k u u k p " e q n g e v k p " u l u g o u " c p f " e q p v t q n f g x l e g u \* g 0 0 ' d c i j q w u g u " v j c v ' y k n i ' e c r w t g " o g v c n ' r c t k e w r c v g u " c v " c h h g e v g f " h c e k k k u g u 0 V j g t g h q t g . " v j g " c w o q u r j g t k e " f k u r g t u k p " q h " c t u g p l e . " e c f o k w o . " c p f " p l e n g n " l t q o " p q p / e j t q o k w o " o g v c n ' o g n k p i " h c e k k k u g u " y k n i ' d g " t g f w e g f " t g r c v k x g " v q " g z k u k p i " e q p f k k p u 0 H q t " y j k u " t g c u q p . " y j g " r q v g p v c n i " h q t " f g r q u k k p " q h " o g v c n ' e q p v c o k p c v k p . " g k j g t " f k t g e w l " q t " k p f k t g e w l " x l c " u q t o y c v g t . " k p v " y c v g t " d q f k e u . " u q k n i . " q t " q v j g t " u w t h c e g u " y k n i ' c n u " d g " t g f w e g f " l t q o " h c e k k k u g u " y j c v ' c t g "

"  
 uwdlgev'vq"RCT"36290Vj g'ck's wcrk' "dgpghku"cuuqekcvf "y kj "RCT"3629"ctg'pqv's wcpv'hcdng."dw'  
 y km'r tqxkf g'cp"lpf k gev'eq/dgpghk'vq'df "r t g x g p v k p i "hwt v j g t "o g v c n'eqp w c o k p c v k p "v q "y c v g t "d q f k g u"  
 y k j k p "U q w j "E q c u v "C S O F a u l w t k u f l e v k p o"  
 "

Hqt "y j g u g "t g c u q p u . "k o r n g o g p v k p i "R C T " 3 6 2 9 " y q w r f " p q v ' d g " g z r g e v g f " v q " x k q r c v g " c p { " y c v g t " s w c r k { " "  
 u c p f c t f u . " y c u v g " f k u e j c t i g " t g s w k t g o g p v u . " g z e g g f " y c u v g y c v g t " v t g c v o g p v " t g s w k t g o g p w u " q h " y j g "  
 c r r r l e c d r g " T g i k p c n " Y c v g t " S w c r k { " E q p t q n " D q c t f . " q t " q v j g t y k u g " u w d u c p v k m { " f g i t c f g " y c v g t "  
 s w c r k { 0 " "  
 "

**IX. b) & e) No Impact** Cu'r t g x k q w u n { " g z r n c l p g f " k p " U g e v k p p " K Z 0 c + " y c v g t " k u " p q v ' p g g f g f " v q " q r g t c v g "  
 y j g " d w k f k p i " g p e n u w t g u " q t " q r g t c v g " g o k u k a p " e q p t q n f g x l e g u 0 J q y g x g t . " R C T " 3 6 2 9 " c m q y u " h q t " y g v "  
 e n g c p k p i " v q " d g " e q p f w e v g f " w u k p i " y c v g t " c u " c p " q r v k p " h q t " e q o r n { k p i " y k j " y j g " j q w u g n g g r k p i "  
 t g s w k t g o g p w u 0 V j g ' c f f k k a p c n l y c v g t " h q t " e q p f w e v k p i " y g v ' e n g c p k p i . " k u ' g z r g e v g f " v q " d g " u w r r n k g f " d { " g c e j "  
 h c e k k l k u { a u ' e w t t g p v l y c v g t " u w r r n k g t 0 V j g ' s w c r k { " q h ' y c v g t " y c v l y q w r f " h k n g n { " d g " u w r r n k g f " c v ' g c e j " c h h g e v g f "  
 h c e k k l k u { " y q w r f " d g " r q v c d r g " y c v g t " u l p e g " r q v c d r g " y c v g t " k u " e w t t g p v l { " u w r r n k g f " c v ' c m l " q h " y j g " c h h g e v g f "  
 h c e k k l k u { k p " q t f g t " v q " r t q x k f g ' f t k p n k p i " y c v g t " h q t " g o r m l { g g u . " y c v g t " h q t " u k p m i " c p f " v q k g v u . " c p f " y c v g t "  
 h q t " c p { " n c p f u e c r k p i . " k h " c r r l e c d r g 0 U j q w r f " c p { " h c e k k l k u { " j c x g " c " i t q w p f y c v g t " y g m l " q p u k g " y k j "  
 i t q w p f y c v g t " r w o r k p i " t k i j u . " y j g " h c e k k l k u { " y q w r f " d k n g n { " p q v " w u g " i t q w p f y c v g t " h q t " y g v ' e n g c p k p i "  
 r w t r q u g u . " d g e c w u g " i t q w p f y c v g t " e q p v k p u " u c p f " c p f " q v j g t " r c t v k e n g u " q t " f g d t k u " y j k e j " k u " p q v ' u w k c d r g "  
 h q t " y g v ' e n g c p k p i 0 V j g t g h q t g . " k o r n g o g p v k p i " R C T " 3 6 2 9 " y q w r f " p q v ' d g " g z r g e v g f " v q " e c w u g " h c e k k l k u { v q "  
 w k r k l g " i t q w p f y c v g t " h q t " e q p f w e v k p i " y g v ' e n g c p k p i . " u w d u c p v k m { " f g r n g v " i t q w p f y c v g t " u w r r n k g u . " q t "  
 k p v g t h g t g " u w d u c p v k m { " y k j " i t q w p f y c v g t " t g e j c t i g 0 C f f k k a p c m { . " y j g " k o r n g o g p v k p i " q h " R C T " 3 6 2 9 "  
 y k m l p q v ' t g u w n l k p " c p { " e j c p i g u " v q " y j g ' t g r g c u g " q h ' r q m w c p w l k p v q " i t q w p f " q t " u w t h c e g " y c v g t . " p q t " y k m l k "  
 c h h g e v ' y j g " i t q w p f " q t " u w t h c e g " y c v g t " n e c v g f " k p " y j g ' x l e k p k { " q h ' y j g " c h h g e v g f " h c e k k l k u { k p " c p { " y c { 0 H q t "  
 y j g u g " t g c u q p u . " R C T " 3 6 2 9 " y k m l p q v ' e q p h k e v " y k j " q t " q d u t w e v " k o r n g o g p v k p i " q h " c " y c v g t " s w c r k { "  
 e q p t q n l r n c p " q t " u w u x k p c d r g " i t q w p f y c v g t " o c p c i g o g p v r n c p 0 "  
 "

**IX. c) 'No Impact** K o r n g o g p v k p i " q h " R C T " 3 6 2 9 " y q w r f " p q v ' d g " g z r g e v g f " v q " u w d u c p v k m { " c n g t " y j g "  
 g z k u k p i " f t c l p c i g " r c w g t p " q h " y j g " u k g " q t " c t g c " d g { q p f " y j c v ' e w t t g p v l { " g z k u u " c v " g z k u k p i " h c e k k l k u { 0 P q "  
 u t g c o u " q t " t l x g t u " c t g " g z r g e v g f " v q " t w p " y j t q w i j " g z k u k p i " h c e k k l k u . " d g e c w u g " y j g u g " h c e k k l k u { q r g t c v g " k p "  
 w t d c p " l p f w u t k e n l e t g c u 0 V j w u . " R C T " 3 6 2 9 " y q w r f " p q v ' e c w u g " c p " c n g t c v k p " q h " y j g " e q w t u g " q h " c " u t g c o " q t "  
 t l x g t 0 D w k f k p i " k o r t q x g o g p w u " v q " e q p u t w e v " d w k f k p i " g p e n u w t g " q t " k p u c n l g o k u k a p " e q p t q n f g x l e g u "  
 o c { " t g s w k t g " u q o g " o k p q t " g c t v j y q t n l " v q " r t g r c t g " c h h g e v g f " c t g c u " c v " y j g " c h h g e v g f " h c e k k l k u { 0 C p { "  
 e q p u t w e v k p " c e v k k l k u . " j q y g x g t . " y q w r f " p q v ' d g " g z r g e v g f " v q " r g t o c p g p v l { " e t g c v g " w p r c x g f " c t g c u " y j c v "  
 y q w r f " d g " x w p g t c d r g " v q " u w t h c e g " t w p q h l k p " c " o c p p g t " y c v l y q w r f " t g u w n l k p " u w d u c p v k n l g t q u k p " q t "  
 u k n c v k p " q p / " q t " q h l u k g " q t " h q q f k p i " q p / " q t " q h l u k g 0 k p " c f f k k a p . " R C T " 3 6 2 9 " y q w r f " p q v ' e t g c v g " p g y " q t "  
 e q p t k d w g " v q " g z k u k p i " t w p q h l y c v g t " y j k e j " y q w r f " g z e g g f " y j g " e c r c e k l { " q h " g z k u k p i " q t " r n c p p g f " u q t o "  
 y c v g t " f t c l p c i g " u { u g o u " q t " r t q x k f g " u w d u c p v k n l c f f k k a p c n l u q w t e g u " q h l r q m w g f " t w p q h l " d g e c w u g " R C T "  
 3 6 2 9 " f q g u " p q v ' e q p v k p " c p { " t g s w k t g o g p w u " y j c v l y q w r f " e j c p i g " g z k u k p i " f t c l p c i g " r c w g t p u " q t " y j g "  
 r t q e g f w t g u " h q t " j q y " u w t h c e g " t w p q h l k u " j c p f n g f 0 "  
 "

**IX. d) No Impact.** Cu'r t g x k q w u n { " g z r n c l p g f " k p " U g e v k p p " K X " o " D k q m i k e c n l T g u q w t e g u . " R C T " 3 6 2 9 "  
 y q w r f " p q v " t g s w k t g " p g y " f g x g n r o g p v " v q " q e e w t " k p " w p f g x g n r g f " c t g c u 0 E q p u t w e v k p " c v " c h h g e v g f "  
 h c e k k l k u { y q w r f " d g " l u j q t v g t o " c p f " c n g r n e g " y k j k p " g z k u k p i " h c e k k l k u { " u g w k p i u 0 V j g t g h q t g . " R C T " 3 6 2 9 "  
 y q w r f " p q v ' d g " g z r g e v g f " v q " g z r q u g " r g q r n g " q t " u t w e w t g u " v q " c " u k i p k h e c p v t k u n l q h l h q u u . " k p l w t { " q t " f g c v j "  
 k p x q r k l k p i " h q q f k p i " c u " c " t g u w n l q h l y j g " h c k n w t g " q h l c " r g x g g " q t " f c o . " q t " k p w p f c v k p " d { " u g l e j g . " u w p c o k " q t "  
 o w f h q y " d g e c w u g " c p { " h q q f " g x g p v q h l y k u " p c w t g " y q w r f " d g " r c t v q h l y j g " g z k u k p i " u g w k p i " q t " v q r q i t e r j { "  
 y j c v l u r " t g u g p v h q t " t g c u q p u " w p t g r e v g f " v q " R C T " 3 6 2 9 0 U k o k r c t n l . " y j g t g " k u " p q " t k u n l q h l t g r g c u g " q h l r q m w c p w u "  
 f w g " v q " k p w p f c v k p " c u " c " t g u w n l q h l R C T " 3 6 2 9 0 "



"  
"

**IX. f), g), & h) Less than Significant Impact** CHgevgf "hcekkkgu"y qwf "dg"tgs wktgf "v"eqpf wev" j qwugnggr kpi . "uwej "cu"y ggmf "y gv'engcpkpi "qh"hmqtu. "f wekpi . "xgpw. "cpf "go kuukqp"eqpvtqnf gxleg" qr gpkpi u. "cu"qwwkpgf "kp"RCT"36290Vj g"cpn{ uku"cuwo gu"j cv" c"dcule"57/s wctv'ecr cekf " \*cpkpg" i cmqpu+"eqo o gteln'o qr "dwengv"y qwf "dg" wugf "hqt"y gv'engcpkpi 0"K"qp" c"r gcmf c{ . "cm"76"82" hcekkkgu" f gekf gf "v"eqpf wev"y gv'engcpkpi . "c"vqn'qh"6: 8"cf f kkpnci cmqpu"qh"y cvgt"y qwf "dg" wugf " cpf "tguwn"kp"j g"uco g"co qwpv'qh"y cugy cvgt0Vj ku"ku'dgmj "j g"uki pkhecpv"j tguj qrf "qh"484.: 42" i cmqpu'r gt "f c{ "qh'r qwdrg"y cvgt"cpf "7.222.222"i cmqpu'r gt "f c{ "qh"vqn'y cvgt0"

J qy gxgt. "y gv'engcpkpi "ku"pqv"j g"qpn{ "qr vkp0RCT"3629"cuq"y qwf "cmjy "f t{ "J GRC"xcewo kpi " vq"qewt0Dgecwug"gej "hcekkk{ "y kmj cxg"j g"qr vkp"v"ej qqug"y gv"qt "f t{ "engcpkpi "v"ucukh{ "j g" j qwugnggr kpi "tgs wktgo gpw. "j g" f gekukqp"v"eqpf wev"y gv'engcpkpi "y km'rti gn{ "f gr gpf "qp"y j cv" gs wkr o gpv" ku" cxckrdrg0Cnuq. "dcugf "qp" j g" hcekkk{ "qy pgt qrgt cvgt. "kp" r cuv" twgu. "kp" lecukpi " r tghgtgpegu"v" wug" f t{ "J GRC"xcewo kpi . "j g" guko cvgf "wug"qh"y cvgt"cpf "j g" eqttgur qpf kpi " i gpgtcvkp"qh"y cugy cvgt"qp" c"r gcmf c{ "o c{ "dg"ngu"j cp" guko cvgf 0Dgecwug"j g"y cvgt" f go cpf " cpf "y cugy cvgt"i gpgtcvkp"ku"o kpat"y j gp"eqo r ctgf "v"j g"uki pkhecpv"j tguj qrf u'hqt"y cvgt" wuci g. " cpf "ggr gevgf "v"dg"y gmiy kj kp"j g" hcekkkgu"uwr r qt vpi "kphcutwewt"v"j cpf ng"j g"ug"s wcpvkkgu"qh" y cvgt"cpf "y cugy cvgt. "RCT"3629"y qwf "pqv"dg" ggr gevgf "v"tgs wktg"j g" eqputwevkp"qt "tgmecvkp" qh'pgy "y cvgt"qt"y cugy cvgt"tgcwo gpv'hcekkkgu"qt"pgy "uqto "y cvgt" f tclpci g'hcekkkgu. "qt"ecwug"j g" ggr cpukqp"qh"gz kuki "hcekkkgu0Uko krtn{ . "dgecwug"gz kuki "y cvgt"uwr r rgu"y km'dg"uw'hlekp"v"v" uwr r qt vj g"ko r ngo gpvcvkp"qh"j qwugnggr kpi "cevkkgu. "j g"cxckrdk{ "qh"uw'hlekp"v"y cvgt"uwr r rgu" vq" ugtxg"j g" r tqlgev"cpf "tgcupcdn{ "hqtguggcdrg" hwwt" f gxgnr o gpv" f wtkpi "pqto cn" f t{ "cpf " o wnr ng" f t{ "gctu"ku"pqv" ggr gevgf "v"dg"uki pkhecpv{ "ko r cevgf "d{ "RCT"36290Hwtj gt. "dgecwug"y gv' engcpkpi "y km'pqv"tguwn"kp"uwducpvkn"y cugy cvgt"i gpgtcvkp. "RCT"3629"y km'pqv"tguwn"kp" c" f gvtgto kpcvkp"d{ "j g"y cugy cvgt"tgcwo gpv'r tqxkf gt"y j lej "ugt xgu"j g"chgevgf "hcekkkgu"j cvk"j cu" cf gs wcvg"ecr cekf "v"ugt xg"j g" r tqlgevu"r tqlgevgf "f go cpf "kp"cf f kkp"v"v"j g" r tqxkf gt"u"gz kuki " eqo o ko gpw0"

"

## Conclusion

Dcugf "wr qp"j g"ug"eqpukf gtcvkpu. "uki pkhecpv"cf xgtug"j { f tqmi { "cpf "y cvgt"s wcrk{ "ko r cevu"ctg"pqv" ggr gevgf "htgo "ko r ngo gpv"pi "RCT"36290Upep"pq"uki pkhecpv"j { f tqmi { "cpf "y cvgt"s wcrk{ "ko r cevu" y gtg"kf gpv'hkf . "pq"o kki cvkp"o gcuwtgu"ctg"pgeguuct { "qt"tgs wktgf 0"

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>X. LAND USE AND PLANNING.</b>					
Y qwr "y g'r tqlgev"					
c+	Rj {ulecm{ " f kxkf g" cp" guvcdnkuj gf " eqo o wpx{ A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	Eqphrlev'y kj "cp{ "cr r rkecdng" rcpf "wug" r rcp. "r qnle{ . "qt "tgi wrcvqp"qh"cp"ci gpe{ " y kj " lwtkf levkqp" qxgt" y g" r tqlgev" *kpenw lpi. " dw" pqv' rko kgf " vq" y g" i gpgtcn' r rcp. " ur gekhle" r rcp. " mrecn' eqcucn'r tqi tco "qt"   qpkpi "qtf kpcpeg+" cf qr vgf "hqt" y g'r wtr qug"qh"cxqkf lpi "qt" o kki cvkpi "cp"gp xktqpo gpvcn'ghgveA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Ncpf "wug"cpf "r rcpplpi "ko r cewu'y kn'dg"eqpukf gtgf "uki pkkcepv'hi'y g'r tqlgev"eqphrlev'y kj "y g" rcpf "wug"cpf " | qpkpi "f guki pcvkqpu"guvcdnkuj gf "d{ "mrecn'lwtkf levkqpu0"

### Discussion

RCT"3629"y kn'tgf weg"go kuukqpu"qh"ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o gvcn' o gmkpi "qr gtcvkqpu"d{ "tgxkukpi "go kuukqp"ucpf ctf u."guvcdnkuj lpi "o qpkqtkpi "r tqxkukqpu"ht"ck" r qmwkqp"eqpvtqngs wkr o gpv."cf f lpi "dwlk lpi "gperquwtg'r tqxkukqpu"v'ko k'hw kxg"go kuukqpu."cpf " wrf cvkpi " j qwugnggr lpi. " uqwtg" vgu lpi. " cpf " o qpkqtkpi. " tgeqtf nggr lpi. " cpf " tgr qtkpi " tgs wkt go gpw0Qh'y g'76'82'hcekkkku'lp"Uqwj "Eqcu'CS O F a'lwtkf levkqp"y cv'ctg"uwldev'vq"RCT" 3629."cm76'82'hcekkkku'y qwr "dg'tgs wkt gf "vq"eqpf wev'j qwugnggr lpi. "hqt'hcekkkku'y qwr "pggf "vq" kpucm'go kuukqp"eqpvtqnf gxlegu"00"dcj j qwugu."hqt'hcekkkku'y qwr "pggf "vq"eqpwtwev'dwlk lpi " gperquwtgu."3;-38'hcekkkku'y qwr "pggf "vq"o cng"o kpqt "ko r tqxgo gpw."3;-35'hcekkkku'y qwr "dg" tgs wkt gf "vq"eqpf wev'r gtlkf le"uo qng"vguu."gk-j-35'hcekkkku'y qwr "pggf "vq"kpucm'go kuukqp"eqpvtqnf f gxleg"o qpkqtkpi "gs wkr o gpv."cpf "35-45'hcekkkku'y qwr "dg'tgs wkt gf "vq"eqpf wev'r gtlkf le"uqwtg" vgu lpi 0"

"

**X. a) & b) No Impact.** RCT"3629"f qgu"pqv'tgs wkt g"y g"eqpwtwev'qp"qh'pgy "hcekkkku"cpf "y g" r j {ulecn'ghgve"y cv'y kn'tguwn'ltqo "RCT"3629"y kn'qeev'cv'gzkukpi "hcekkkku"mrecv'kf wutlcn' ctgcu'cpf "y qwr "pqv'dg"gzr gev'v'q'i q'dg{ qpf "gzkukpi "dqwpf ctkgu0Hqt "y ku'tgcuqp."ko r ngo gpvcv'qp" qh"RCT"3629"ku'pqv'gzr gev'v'q'r j {ulecm{ "f kxkf g"cp"guvcdnkuj gf "eqo o wpx{ 0Vj gtghqtg."pq"ko r cewu" ctg"cpv'ekr cvgf 0"

"

Hwtj gt."rcpf "wug"cpf "qy gt"r rcpplpi "eqpukf gtcvkqpu"ctg'f gvgto kpgf "d{ "mrecn' qxgtpo gpw'cpf "RCT" 3629"qgu'pqv'cngt"cp{ "rcpf "wug"qt"r rcpplpi "tgs wkt go gpw0Ego r rkepeg'y kj "RCT"3629"y qwr "vcng" r rneg"y kj kp"gzkukpi "hcekkkku0Vj wu."k'y qwr "pqv'dg"gzr gev'v'q"chge"v'qt"eqphrlev'y kj "cp{ " cr r rkecdng"rcpf "wug"r rcp."r qnle{ . "qt "tgi wrcvqp"qh"cp"ci gpe{ "y kj "lwtkf levkqp"qxgt"y g" r tqlgev" \*kpenw lpi. "dw"pqv' rko kgf "vq"y g"i gpgtcn'r rcp."ur gekhle"r rcp."mrecn'eqcucn'r tqi tco "qt" | qpkpi " qtf kpcpeg+"cf qr vgf "hqt" y g'r wtr qug"qh"cxqkf lpi "qt"o kki cvkpi "cp"gp xktqpo gpvcn'ghgve0"

---

"**Conclusion**

Dcugf "w qp" j gug"eqpukf gtcvqpu."uki pkkhecpv"cf xgtug"rcpf "wug"cpf "r rcpplpi "ko r ceu"ctg"pqv"  
gxr gevqf "h qo "ko r rgo gpvpi "RCT"36290Upeg"pq"uki pkkhecpv"rcpf "wug"cpf "r rcpplpi "ko r ceu'y gtg"  
kf gpvkkf."pq"o kki cvqp"o gcumtgu"ctg"pgeguuct{ "qt"tgs vktgf0

"

---

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
--	--	--------------------------------------	--	------------------------------------	--------------

**XI. MINERAL RESOURCES. Y qwf "**

vj g'r tqlgev&lt;

c+	T guwn"kp"vj g"nquu"qh"cxckrdkrlv{ "qh" c" npqy p"o kpgtcn'tguqwtg"vj cv'y qwf "dg" qh'xcnwg"vq"vj g'tgi kqp"cpf "vj g'tgukf gpw" qh'vj g'ucvgA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	T guwn"kp"vj g"nquu"qh"cxckrdkrlv{ "qh" c" mjecm{/ko r qtcvpv" o kpgtcn' tguqwtg" tgeqxtg{ " uksg" f grikpgcvf " qp" c" mjecn' i gpgtcn'r rcp."ur gekhke"r rcp"qt"qyj gt"rcpf " wug"r rcpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Significance Criteria**

Rtqlgev'tgrcvf "ko r cew"qp"o kpgtcn'tguqwtg"y kn'dg"eqpukf gtgf "uki phkecpv'h'cp{ "qh'vj g" hmqy kpi "eqpf kkpup'tg"o gv<

"

- / Vj g'r tqlgev'y qwf "tguwn"kp"vj g"nquu"qh"cxckrdkrlv{ "qh" c"npqy p"o kpgtcn'tguqwtg"vj cv'y qwf "dg"qh'xcnwg"vq"vj g'tgi kqp"cpf "vj g'tgukf gpw"qh'vj g'ucvgA"
- / Vj g'r tqr qugf "r tqlgev'tguwn"kp"vj g"nquu"qh"cxckrdkrlv{ "qh" c"mjecm{/ko r qtcvpv"o kpgtcn' tguqwtg"tgeqxtg{ "uksg" f grikpgcvf "qp" c"mjecn' i gpgtcn'r rcp."ur gekhke"r rcp"qt"qyj gt"rcpf "wug" r rcp0"

**Discussion**

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o gvcn' o gnlpi "qr gtcvkpu"d{ "tgxkupi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpkqt kpi "r tqxkukpu"ht"ckt" r qmwkqp"eqpvtqnl'gs wkr o gpv."cf f kpi "dwkf kpi "gpenquwtg'r tqxkukpu"vq'ho k'hw kksx"go kuukpu."cpf " wr f cvkpi " j qwugnggr kpi ." uqwtg" vguvki ." cpf " o qpkqt kpi ." tgeqtf nggr kpi ." cpf " tgr qt vki " tgs vkt go gpw0Qh'vj g'76'82'hcekklgu"lp"Uqwj "Eqcu'CS O F a'lwtkuf levkqp"vj cv'tg"uwldev'vq"RCT" 3629."cm'76'82'hcekklgu"y qwf "dg'tgs vkt gf "vq"eqpf wev'j qwugnggr kpi ."hqt'hcekklgu"y qwf "pggf "vq" kpuvcm'go kuukp"eqpvtqnl'f gxlegu" \*g0 0'dci j qwugu+."hqt'hcekklgu"y qwf "pggf "vq"eqpvt wev'dwvf kpi " gpenquwtgu."3;-38'hcekklgu"y qwf "pggf "vq"o cng"o kpat "ko r tqxgo gpw."3;-35'hcekklgu"y qwf "dg" tgs vkt gf "vq"eqpf wev'r gtkqf le"uo qng'vguu."gk-j-35'hcekklgu"y qwf "pggf "vq"kpucm'go kuukp"eqpvtqnl' f gxleg"o qpkqt kpi "gs wkr o gpv."cpf "35-45'hcekklgu"y qwf "dg'tgs vkt gf "vq"eqpf wev'r gtkqf le"uqwtg" vguvki 0"

"

**XI. a) & b) "No Impact.** Vj gtg"ctg"pq"r tqxkukpu"kp"RCT"3629"vj cv'y qwf "tguwn"kp"vj g"nquu"qh" cxckrdkrlv{ "qh" c"npqy p"o kpgtcn'tguqwtg"qh'xcnwg"vq"vj g'tgi kqp"cpf "vj g'tgukf gpw"qh'vj g'ucvg."qt"qh" c"mjecm{/ko r qtcvpv"o kpgtcn'tguqwtg"tgeqxtg{ "uksg" f grikpgcvf "qp" c"mjecn' i gpgtcn'r rcp."ur gekhke"r rcpv" qt"qyj gt"rcpf "wug"r rcp0Uqo g"gzco r ngu"qh"o kpgtcn'tguqwtg"ctg"i tctxgn"cur j cnx"dcwzkg."cpf " i {ruwo ." y j lej "ctg"eqo o qpn{ "wug" hqt"eqpvt wev'kqp"cevxxkku"qt" kpf wntkcn'r tqeguug0 Vj g" r tqr qugf "r tqlgev'y qwf "tgs vkt g'dwvf kpi "o qf hkecvkpu"vq"eqo r n{ "y kj "gpenquwtg'tgs vkt go gpw"cpf " vj g"kpucm'v'kqp"qh"go kuukp"eqpvtqnl'f gxlegu."ko r ngo gpvcv'kqp"qh'j qwugnggr kpi "cpf "o clpvpcpeg" cevxxk{ "tgs vkt go gpw."uqwtg"vguvki "cpf "uo qng'vguvki ."cm'qh'y j lej "y qwf "j cxg"pq"ghgew"qp"vj g"

"

wug"qh'o kpgtcn."uwej "cu"vj qug"f guetkdgf "cdqxcg0Vj gtghqtg."pq"pgy "f go cpf "qp"o kpgtcn'tguqwtegu"  
ku"gzr gevfg "vq"qeewt"cpf "uki pkklecpv'cf xgtug"o kpgtcn'tguqwtegu"ko r ceu"htqo "ko r ngo gpvpi "RCT"  
3629"ctg"pqv'cpvlekr cvgf 0"

"

### Conclusion

Dcugf "vr qp"vj gug"eqpukf gtcvqpu."uki pkklecpv'cf xgtug"o kpgtcn'tguqwtg"ko r ceu"ctg"pqv'gzr gevfg "  
htqo "ko r ngo gpvpi "RCT"36290Ukpeg"pq"uki pkklecpv'o kpgtcn'tguqwtg"ko r ceu'y gtg'kf gpvklgf."pq"  
o kki cvkqp"o gcuwtgu"ctg'pgeguuct { "qt"tgs wktgf 0"

"

"

"

"

"	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XII. NOISE.</b> Y qwf "y g'r tqlgev'tguwv'kp<				
c+ I gpgtcvkp"qh" c" uwdvcp'kcn' vgo r qtct { " qt" r gto cpgpv'kpetgcug"kp" co dkgpv'pqkug" rxxgnu"kp" y g" xlekpkv { "qh" y g" r tqlgev"kp" gzeguu"qh" ucpf ctf u" guxcdnkj gf "kp" y g" mcecl' gpgtcn' rcp"qt"pqkug"qtf kpcpeg."qt" cr r rkecdng"ucpf ctf u"qh"qy gt"ci gpekua"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d+ I gpgtcvkp"qh" gzeguukxg" i tqwpf dqtpg" xldtcvkp"qt" i tqwpf dqtpg"pqkug"rxxgnuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+ Hqt" c" r tqlgev'mecv' y kj kp" y g" xlekpkv { " qh" c" r tkxcv' cktutk "qt" cp" ckr qtv' rcpf " wug" r rcp"qt. "y j gtg" uvej "c" r rcp" j cu"pqv' dggp" cf qr vgf. "y kj kp" y q" o krgu" qh" c" r wdike" ckr qtv' qt" r wdike" wug" ckr qtv. " y qwf " y g" r tqlgev" gzar qug" r gqr ng" tgu'k'kp" qt" y qtnkpi "kp" y g" r tqlgev'ctgc" vq" gzeguukxg"pqkug"rxxgnuA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Significance Criteria

P qkug'ko r cev'y kn'dg'eqpukf gtgf "uki p'k'ecpv'kh"

- / Eqputwv'kp"pqkug"rxxgnu"gzeggf "y g"mecn'pqkug"qtf kpcpegu"qt. "kh" y g"pqkug" y tguj qrf "ku" ewtgpv' "gzeggf gf. "r tqlgev'pqkug"uqtegu'kpetgcug"co dkgpv'pqkug"rxxgnu" d { "o qtg" y cp" y tgg" f gkldgn" \*f DC+ " cv" y g" uksg" dqwpf ct { 0' Eqputwv'kp" pqkug" rxxgnu" y kn' dg' eqpukf gtgf " uki p'k'ecpv'kh" y g { "gzeggf "hgf gtcl'Qeewr cvkpcn'Uchgv { "cpf "J gcny "Cf o kpkntcvkp" \*QU C+ " pqkug"ucpf ctf u"ht" y qtngtu0
- / Vj g'r tqr qugf "r tqlgev'qr gtcvkpcn'pqkug"rxxgnu"gzeggf "cp { "qh" y g"mecn'pqkug"qtf kpcpegu"cv" y g"uksg"dqwpf ct { "qt. "kh" y g"pqkug" y tguj qrf "ku" ewtgpv' "gzeggf gf. "r tqlgev'pqkug"uqtegu' kpetgcug"co dkgpv'pqkug"rxxgnu" d { "o qtg" y cp" y tgg" f DC" cv" y g"uksg"dqwpf ct { 0

### Discussion

RCT"3629" y kn'tgf weg" go kuukpu" qh" ctugple. "ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o gvcn' o gmkpi "qr gtcvkpu" d { "tgxkupi "go kuukpu"ucpf ctf u. "guxcdnkj kpi "o qpkqtkpi "r tqxkukpu" hqt" ckt" r qmwkpv'eqpvtqngs vkr o gpv. "cf f kpi "dwtf kpi "gperquwtg'r tqxkukpu"v'ko k'hw' kxg" go kuukpu. "cpf " wrf cvkpi " j qwugnggr kpi. " uqtegu" vgu'kpi. " cpf " o qpkqtkpi. " tgeqtf nggr kpi. " cpf " tgr qtkpi " tgs vkt go gpw0Qh" y g"76"82" hcekkkku" y Uqwj 'Eqcu'CS O F a' lwtkf levkp" y cv'ctg" uwdlgev'v' "RCT" 3629. "cmi76"82" hcekkkku" y qwf "dg" tgs vkt gf "v" eqpf vev' j qwugnggr kpi. "hqt' hcekkkku" y qwf "pggf "v" kpu'cm' go kuukpu" eqpvtqng' gxlegu" \*g0 0' dci j qwugu. "hqt' hcekkkku" y qwf "pggf "v" eqputwv' dwtf kpi " gperquwtgu. "3;-38" hcekkkku" y qwf "pggf "v" o cng" o kpat "ko r tqxgo gpw. "3;-35" hcekkkku" y qwf "dg" tgs vkt gf "v" eqpf vev' r gtkf k' uo qng' vguu. "gk j -35" hcekkkku" y qwf "pggf "v" kpu'cm' go kuukpu" eqpvtqng' f gxleg" o qpkqtkpi "gs vkr o gpv. "cpf "35"45" hcekkkku" y qwf "dg" tgs vkt gf "v" eqpf vev' r gtkf k' uqtegu" vgu'kpi 0

**XII. a) & b) Less than Significant Impact.** Vj g' hcekkkku" chgevgf "d { "RCT"3629" ctg' mcecv'f "kp" wtdcpk' gf "kp' wutkn' ctgcu0 Vj g' gzkukpi "pqkug" gp'xk'qpo gpv' cv' gcej "qh" y g' hcekkkku" ku" v' r kcm { "

"

f qo kpcvfg "d{ "pqkug"htqo "gzkukpi "gs wkr o gpv"qp/ukg. "xgj lewrt "tchle"ctqwpf "vj g"hekkkku. "cpf "vtwem" gpvgtkpi "cpf "gzkukpi "hekkk{ "r tgo kugu0 Ncti g. "r qvgpvcn{ "pqkug/kpvgpukxg" eqputwevkqp "gs wkr o gpv'y qwf "dg"pggf gf "vgo r qtctk{ "vq"o qf kh{ "gzkukpi "gpenquwtgu"qt "kpucm"go kuukqp"eqputqn f gxlegu"cu"r ctv"qh"ko r ngo gpvki "RCT"36290'Qr gtcvkqp"qh"vj g"eqputwevkqp"gs wkr o gpv'y qwf "dg" gزر gevgf "vq"eqo r n{ "y kj "cm"gzkukpi "pqkug"eqputqn"ncy u"cpf "qtf kpcpegu0Ukpeg"vj g"hekkkku"ctg" mecvfg "kp"lpf wutkn'ctgcu. "y j lej "j cxg"cf"j ki j gt"dcemi tqwpf "pqkug"ngxgn'y j gp"eqo r ctgf "vq"qyj gt" ctgcu. "vj g"pqkug"i gpgtcvgf "f wtkpi "eqputwevkqp"y knikngn{ "dg"lpf kuki wkuj cdng"htqo "vj g"dcemi tqwpf "pqkug"ngxgn'cv'y g'r tqr gtv{ "hpg0k{ "cf f kkkp. "qpeg"dwkf kpi "gpenquwtg"eqputwevkqp"ku"eqo r ngvgf "cv" yj g"chgevgf "hekkkku. "vj g"qxgtcm"pqkug"r tqhkg"y qwf "dg"gzr gevgf "vq"nguyp"y j gp"eqo r ctgf "vq" dcugrkpg"pqkug"ngxgn'htqo "f c{/vq/f c{ "qr gtcvkpu"cv'y gug"hekkkku"dgecwug"vj g"pqkug"i gpgtcvkpi "cevxxkku" y kni qeewt "kukf g" gzkukpi " dwkf kpi u0' Hwtj gt. " Qeewr cvkpcn' Uchvg{ " cpf " J gcnj " Cf o kputcvkqp"QUI C+"cpf "Ecnkqtpkc/QUI C"j cxg"guvcdkuj gf "pqkug"ucpf ctf u"vq"r tqvgevy qtngt" j gcnj "dqj "lpf qqtu"cpf "qwf qqtu0Hwtj gto qtg. "eqo r rkepeg"y kj "mecl'pqkug"qtf kpcpegu"v{ r lecm{ " rko k'vj g'j qwtu'qheqputwevkqp"vq'tgf weg"vj g"vgo r qtct{ "pqkug"ko r cew'htqo "eqputwevkqp"vq'ugpukxg" cpf "qhkug"tgegr vtu0Vj gug'r qvgpvcn'pqkug"ketgcugu"y qwf "qpn{ "dg"vgo r qtct{ "wpvki'eqputwevkqp" ku'eqo r ngvgf "cpf "y qwf "dg"gzr gevgf "vq"dg'y kj kp"vj g"cmjy cdng"pqkug"ngxgn'guvcdkuj gf "d{ "vj g"mecl' pqkug"qtf kpcpegu"ht"lpf wutkn'ctgcu="vj wu. "ko r cew'ctg"gzr gevgf "vq"dg"ngu"vj cp"uki pkhecp0"

**XII. c) 'No Impact.** Cu'ucvfg "kp"Ugevkqp"XKKg+: hqwt"qh"vj g-76'82'hekkkku"kf gpvkhgf "kp"Cr r gpf kz " E"ctg"mevcfg "y kj kp"vy q"o kngu"qh"cp"cktr qt0Vj g"gzkukpi "pqkug"gpvktqpo gpv'cv"gecj "qh"vj gug" hekkkku"ku" f qo kpcvfg "d{ "pqkug"htqo "gzkukpi "gs wkr o gpv"qp/ukg. "xgj lewrt "tchle"ctqwpf "vj g" hekkkku. "cpf "vtwem" gpvgtkpi "cpf "gzkukpi "hekkk{ "r tgo kugu0Vj wu. "cp{ "pgy "pqkug"ko r cew"y qwf " htqo "eqputwevkqp"cevxxkku"vq" eqputwev' dwkf kpi "gpenquwtgu. "kpucm" go kuukqp"eqputqn' f gxleg" o qpkqtkpi "gs wkr o gpv'y qwf "dg"vgo r qtct{ "cpf "rknng{ "vq"i gpgtcvg"pqkug"vj cv'ku"lpf kuki wkuj cdng" htqo "vj g"dcemi tqwpf "ngxgn'cv'y g'r tqr gtv{ "hpg0Hwtj gt. "pqpq'qh"vj g'hqwt"hekkkku"y kj kp"vy q'b kngu" qh"cp"cktr qt0ctg" gزر gevgf "vq"kpucm"pgy "go kuukqp"eqputqn' f gxlegu. "dgecwug"vj g{ "s wcnkh{ "hqt" gzgo r vkpu"htqo "vj g"go kuukqp"eqputqn' f gxleg"tgs wktgo gpv0Vj wu. "RCT"3629"ku"pqv'gzr gevgf "vq" gزر qug"r gtuqpu"tgukf kpi "qt"y qtnkpi "y kj kp"vy q"o kngu"qh"cf"r wdrle"cktr qt0qt"r tkxcvg"ckutkr "vq" gzequukxg"pqkug"ngxgn0"

"

## Conclusion

Dcugf "wr qp"vj gug"eqpukf gtcvkpu. "uki pkhecpv'cf xgtug"pqkug"ko r cew'ctg"pqv'gzr gevgf "htqo "vj g" ko r ngo gpvki "RCT"36290'Ukpeg"pq"uki pkhecpv'pqkug"ko r cew"y gtg"kf gpvkhgf. "pq"o kki cvkqp" o gcuwgu"ctg"pgeguuct{ "qt"tgs wktgf 0"

"

"

"

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XIII. POPULATION AND HOUSING.</b>				
Y qwf "y g'r tqlgev<				
c+" Kpf weg" uwdwcpvkn' i tqy y "k" cp" ctgc" gkx gt" f k tgew{ " *hqt" gzco r ng." d{ " r tqr qulpi "pgy "j qo gu"cpf "dwukpguugu" qt'kpf k tgew{ *g0 0'y tqwi j "gz vepukqp'qh" tqcf u"qt"qy gt'kph cutwewt g+A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+" F kur neg" uwdwcpvkn' pwo dgtu'qh'r gqr ng" qt" gz kxkpi "j qwulpi ." pgeguukc vki "y g" eqputwewkqp" qh" tgr nego gpv' j qwulpi " gnugy j gtgA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Significance Criteria**

Ko r cew'qh'y g'r tqr qugf "r tqlgev"qp'r qr wewkqp"cpf "j qwulpi "y kn'dg"eqpukf gtgf "uki pkklecpl'h'y g" hmqy kpi "etkgtk"ctg"gzeggf gf <"

/ Vj g'f go cpf "hqt"vgo r qtct{ "qt"r gto cpgpvj qwulpi "gzeggf u'y g"gz kxkpi "uwr r n{ 0'

/ Vj g'r tqr qugf "r tqlgev'r tqf wegu'cf f kkpkn'r qr wewkqp. "j qwulpi "qt"go r m{ o gpv'keqpukv'gpv' y kj "cf qr vgf "r rpu'gkx gt'k"vgo u'qh'xgcmico qwpv'qt'nevwkqp0'

**Discussion**

RCT"3629"y kn'tgf weg"go kxkpu"qh"ctugple."ecf o kwo "cpf "plengn'htqo "pqp/eq tqo kwo "o gwn' o gmkpi "qr gtcvqpu"d{ "tgxkxpi "go kxkqp"ucpf ctf u." gucdnkj kpi "o qpkqtkpi "r tqxkxkpu"htq"ckt" r qmwkqp"eqpvtqngs wkr o gpv."cf f kpi "dwkf kpi "gperuwtg'r tqxkxkpu"v'ko k'hw kxg"go kxkpu."cpf " wrf vki " j qwugnggr kpi ." uqwtg" vki ." cpf " o qpkqtkpi ." tgeqtf nggr kpi ." cpf " tgr qt vki " tgs wkt go gpw0Qh'y g"76"82"hekkkku'y qwf "Uqwj "Eqcu'CS O F au'lwuf lewkp"y cv'ctg"uwdlgev"v"RCT" 3629."cni76"82"hekkkku'y qwf "dg'tgs wkt gf "v"eqpf wev'j qwugnggr kpi ."hqt'hekkkku'y qwf "pggf "v" kpuwcm'go kxkqp"eqpvtqnf gxlegu"v0 dci j qwugu."hqt'hekkkku'y qwf "pggf "v"eqputwew'dwrf kpi " gperuwtgu."3;-38"hekkkku'y qwf "pggf "v"o cng"o kpat"ko r tqxgo gpw."3;-35"hekkkku'y qwf "dg" tgs wkt gf "v"eqpf wev'r gkqf le"uo qng"vguu."gk-j-v35"hekkkku'y qwf "pggf "v" kpuwcm'go kxkqp"eqpvtqnf f gxlegu"o qpkqtkpi "gs wkr o gpv."cpf "35"45"hekkkku'y qwf "dg'tgs wkt gf "v"eqpf wev'r gkqf le"uqwtg" vki 0'

**XIII. a) No Impact.** Vj g"eqputwewkqp"cewxkku"cuqekcvf "y kj "RCT"3629"ctg"pqv'gzi gev'f "v" kpxqrg"y g'tgmevwkqp"qh'kpf kxk wcu."tgs wkt g"pgy "j qwulpi "qt"eqo o gtekn'hekkkku."qt"ej cpi g'y g" f kxkdwkqp"qh'y g'r qr wewkqp0Qpn{ "c"j cpf hwi'y qtngtu"r gt"hekkk{ "o c{ "dg"pggf gf "v"r gthqto " eqputwewkqp"cewxkku"v"eqo r n{ "y kj "RCT"3629"cpf "y gug"y qtngtu"ecp"dg"uwr r rkgf "htqo "y g" gz kxkpi "hcdqt"r qqnlp"y g'hqecnlUqwj gtp'Ecnhtqtpk"ctgc0J qwugnggr kpi "cpf "o ckpvgpcpeg"cewxkku" tguwnkpi "htqo "RCT"3629"y qwf "cnuq'pqv'dg"gzr gev'f "v"tguwn'kpi"y g'pggf "hqt"v"uwdwcpvkn'pwo dgt" qh'cf f kkpkn'go r m{ ggu'dgecwug'hekkkku'j cxg"gz kxkpi "r gtuqppgn'y j q'r gthqto "uko kct'f c{/vq/f c{ " qr gtcvqpu0K"ku"r quukdr"y cv'pgy "go r m{ ggu"o c{ "dg"pggf gf "v"qr gtcv'pgy "go kxkqp"eqpvtqnf f gxlegu"y cv'ctg"gzr gev'f "v"dg" kpuwcm'f "cv'hqt'hekkkku0K"y g"gxgpv'y cv'pgy "go r m{ ggu"ctg" j kgtf .k'ku"gzr gev'f "y cv'y g'pwo dgt'qh'pgy "go r m{ ggu"j kgtf "cv'cp{ "qpg'hekkk{ "y qwf "dg'tgncvgn{ " uo cm"r gtj cr u"pq"o qtg"y cp"qpg"r gt"hekkk{ 0T gi ctf ngu"qh"ko r ngo gpv'kpi "RCT"3629."j wo cp" r qr wewkqp"y kj kpi"y g'lwuf lewkp"qh'y g'Uqwj "Eqcu'CS O F 0Cu'wej . "RCT"3629"ku'pqv'cpl'ekr cvf "



"

"pqv'tguwn'lp"ej cpi gu'lp"r qr wrcvqp"f gpukkgu."r qr wrcvqp"f kurtkdwkqp."qt"lpf weg"uki pkhecpv"  
i tqy yj "lp"r qr wrcvqp0"

"

**XIII. b) No Impact.** RCT"3629"y qwf 'tguwn'lp"eqputwvqp"cevkxkgu"vj cv'tg"gzr gevfg "vq"qewt"  
y kj kp"vj g"eqphkpgu"qh"gzkupi "hcekkkgu0Cf f kkpncj qwugnggr kpi "cpf "o ckpvgpcpeg'tgs vktgo gpvu"  
y qwf "pqv'dg"gzr gevfg "vq"uwdvcpvcmf "cngt"gzkupi "qr gtcvqp"cv'pqp/ej tqo kwo "o gwn'o gmkpi "  
hcekkkgu0Eqpugs wgpv. "RCT"3629"ku'pqv'gzr gevfg "vq"tguwn'lp"vj g"etgcvqp"qh'cp{ "lpf wut{ "vj cv"  
y qwf "chgev"r qr wrcvqp"i tqy yj . "f kgevf "qt"lpf kgevf "lpf weg" yj g"eqputwvqp"qh'uki ng/"qt"  
o wnr ng/hco kf "wpku."qt"tgs vktg" yj g"fkur mego gpv'qh'r gtuppu"qt"j qwukpi "gnugy j gtg"y kj kp"vj g"  
Uqwj "Eqcuw'CS O F æ'lwtkf kvqp0"

### Conclusion

Dcugf "wrcvqp"vj gug"eqpukf gtcvqp."uki pkhecpv"cf xgtug"r qr wrcvqp"cpf "j qwukpi "lo r ceu"ctg"pqv"  
gzr gevfg "tqo "lo r ngo gpvki "RCT"36290Ukpeg'pq'uki pkhecpv'r qr wrcvqp"cpf "j qwukpi "lo r ceu"y gtg"  
kf gpvklgf . "pq"o kki cvqp"o gcwtgu'ctg"pgeguuct{ "qt"tgs vktgf 0"

"

"

"

"

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XIV. PUBLIC SERVICES.</b> Y qwf " yj g" r tqlgev' tguwn' kp" uwdupvkn' cf xgtug" r j {ulecn' ko r ceu" cuuqekvfg " y kj " yj g" r tqxkukqp" qh" pgy "qt" r j {ulecm' "cnegtgf " i qxgtpo gpvni' hceknkkgu. "pggf "hqt" pgy " qt" r j {ulecm' " cnegtgf " i qxgtpo gpvni' hceknkkgu. " yj g" eqputwevqp" qh" y j lej " eqwf "ecwug" uki pnhcep'v' gpxkqpo gpvni' ko r ceu. " kp" qtf gt " vq" o clpvclp " ceegr vdrng" ugtxleg" tcvku. " tgr qpug " vko gu" qt" qj gt "r gthqto cpeg" qdlgevkgu " hqt" cp { " qh" yj g" hmqy kpi " r vdrke " ugt xlegu <				
" c+ " Hktg'r tqvgevkpA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
" d+ " Rqnleg'r tqvgevkpA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
" e+ " Uej qqnuA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
" f+ " RctmuA'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
" g+ " Qvj gt 'r vdrke' hceknkkguA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Ko r ceu" qp' r vdrke' ugt xlegu' y knidg' eqpukf gtgf 'uki pnhcepvkh' yj g' r tqlgev' tguwn' kp' uwdupvkn' cf xgtug"  
r j {ulecn' ko r ceu' cuuqekvfg " y kj " yj g' r tqxkukqp" qh' pgy "qt" r j {ulecm' "cnegtgf " i qxgtpo gpvni' hceknkkgu. "  
qt" yj g' pggf "hqt" pgy "qt" r j {ulecm' "cnegtgf " i qxgtpo gpvni' hceknkkgu. " yj g' eqputwevqp" qh' y j lej "eqwf "  
ecwug' uki pnhcepv' gpxkqpo gpvni' ko r ceu. " kp" qtf gt "vq" o clpvclp "ceegr vdrng" ugt xleg' tcvku. "tgr qpug "  
vko g' qt" qj gt "r gthqto cpeg" qdlgevkgu' "

### Discussion

RCT"3629" y kn' tgf weg" go kuukpu" qh' ctugple. "ecf o kwo "cpf "plengn' ltqo "pqp/ ej tqo kwo "o gvrn' "  
o gnkpi "qr gtcvku" d { "tgxkukpi "go kuukqp" ucpf ctf u. "guvdrkuj kpi "o qpkqtkpi "r tqxkukpu" hqt" ckt "  
r qmwkqp" eqpvtqngs vkr o gpv. "cf f kpi "dwrk kpi "gperquwtg' r tqxkukpu" v' hko k' hwi kkg" go kuukpu. "cpf "  
wrf cvkpi " j qwugnggr kpi. " uqwtg" vgnkpi. " cpf " o qpkqtkpi. " tgeqtf nggr kpi. " cpf " tgr qt vki "  
tgs vkt go gpw' QH' yj g' 76' 82' hceknkkgu' kp' Uqwj 'Eqcu' CS O F a' lwtkf levkp" yj cv' ctg' uwdlgev' v' RCT "  
3629. "cmi 76' 82' hceknkkgu' y qwf "dg' tgs vkt gf "vq' eqpf wev' j qwugnggr kpi. "hqt' hceknkkgu' y qwf "pggf "vq "  
kpucm' go kuukqp" eqpvtqnl' gxlegu' \*g' 0' dci j qwugu. "hqt' hceknkkgu' y qwf "pggf "vq' eqputwev' dwrk kpi "  
gperquwtgu. "3; -38" hceknkkgu' y qwf "pggf "vq" o cng" o kpqt "ko r tqxgo gpw. "3; -35" hceknkkgu' y qwf "dg "  
tgs vkt gf "vq' eqpf wev' r gtlkf le" uo qng' vguu. "gk' j -35" hceknkkgu' y qwf "pggf "vq' kpucm' go kuukqp" eqpvtqnl' "  
f gxleg" o qpkqtkpi "gs vkr o gpv. "cpf "35-45" hceknkkgu' y qwf "dg' tgs vkt gf "vq' eqpf wev' r gtlkf le" uqwtg "  
vgnkpi 0' "

**XIV. a) & b) Less Than Significant Impact.** Ko r ngo gpvcvkp" qh' RCT"3629" ku' gzi gevfg "vq' tgs vkt g"  
o kpqt "o qf hcecvkpu" vq' dwrk kpi "gperquwtgu" cv' 3; -38" gzkukpi "hceknkkgu. "eqputwevqp" qh' yj q' y cmi "  
vq' eqo r ngvg' dwrk kpi "gperquwtgu" cv' hqt' hceknkkgu. "cpf "yj g' kpucm' vqp" qh' go kuukqp" eqpvtqnl' gxlegu "  
cv' hqt' hceknkkgu. "cmi' y j krg" eqpvkpi "ewtgpv' qr gtcvku" cv' yj g' chgevgf "hceknkkgu' kp" qtf gt "vq "  
eqputwev' yj g' dwrk kpi "gperquwtgu. "gcej "hceknkkgu' o c { "dg' tgs vkt gf "vq' qdvclp" c' dwrk kpi "r gto k' ltqo "

"

vj g"mecn'ekv "qt"eqwpv "y kj "lwtkuf levkqp"qxgt "vj g"eqputwekqp0Cu"gej "uvgr "kp"vj g"eqputwekqp" r tgegu'r tqi tguugu."c"dwkf lpi "kpur gevqt "y knlr gkqf lecm "ej gemlp"y kj "gej "hckkv "vq"xgth "vj cv" eqputwekqp"eqphqto u"vq"vj g"ur gekhlevkqp"lp"vj g"dwkf lpi "r gto k0Dgecwug"cr r hlevkqp"lqt" dwkf lpi "r gto ku"v r lecm "vpf gti q"v"vj qtwi j "ör mp"ej genö"r tgegu"dghqtg"v"r gto k"vq"dwkf "ku" kuwgf . "pgy "uchgv "j c| ctf u'ctg"pqv'gzzr gevqf "vq"qewt "f wtkpi "eqputwekqp0Hwtj gt."RCT"3629"fggu" pqv'tgs vktg"vj g"vug"qt"j cpf rkp "qh"j c| ctf qwu"o cvgtknu."uq"pq"ur gekn'ekewo ucpegu'y kj "j cpf rkp " ugpukxg"o cvgtknu"v wtkpi "eqputwekqp"y qwrf "dg"gzr gevqf 0Hqt"vj gug"tgcuaqp."lo r ngo gpvklp"qh" RCT"3629"ku"pqv'gzzr gevqf "vq"uuducpvkcm "cngt"qt "lpetgcug"vj g"pggf "qt"f go cpf "hqt"cf f kkpncr vdrle" ugtxlegu" \*g0 0"htg"cpf "r qnleg"f gr ctwo gpw"cpf "tgrcvf "go gti gpe { "ugtxlegu."gve0"cdqxg"ewttgpv" r xgnu."uq"pq"uki pkhlevkqp"lo r cev"vq"vj gug"gz kkpki "ugtxlegu"ku"cpvklr cvgf 0"

"

**XIV. c), d), & e) No Impact.** Cu'gzr rklpgf "kp"Ugeklp"Z KKOc+"3629"ku"pqv'cpvklr cvgf "vq"i gpgtcvg" cp { "uki pkhlevkqp"ghgew."gkj gt "f k gev"qt "lpf k gev."qp"vj g'r qr wvklp"qt"r qr wvklp"v kntkdwkqp"y kj kp" Uqwj "Eqcu"CS O F 0"lwtkuf levkqp"cu"pq"cf f kkpncr"y qtngtu"ctg"cpvklr cvgf "vq"dg"tgs vktg "vq" eqo r n { "y kj "RCT"36290Dgecwug"RCT"3629"ku"pqv'gzzr gevqf "vq"lpf weg"uuducpvkcn"r qr wvklp" i tqy vj "kp"cp { "y c { . "cpf "dgecwug"vj g"mecn'cdqt"r qqn" \*g0 0"y qtnhqtg+y qwrf "tgo clp"vj g"uco g"lupeg" RCT"3629"y qwrf "pqv'tki i gt"ej cpi gu"vq"ewttgpv"uuci g'r tcevegu."pq"cf f kkpncr"uej qqn"y qwrf "pggf " vq"dg"eqputwevgf "cu"v"tguwn"qh"lo r ngo gpvklp "RCT"36290Cp { "eqputwekqp"cevklxkgu"y qwrf "dg" vgo r qtct { 0Cnj qwi j "hqt"cf f kkpncr"go kuukqp"eqputqn"v gxlegu"ctg"gzr gevqf "vq"dg"lpucmgf "cu"v" tguwn"qh"lo r ngo gpvklp "RCT"3629."cpf "vclpgf "r gtuqppgn"o c { "dg"pggf gf "lp"qtf gt"vq"o clpvcip"vj g" pgy "go kuukqp"eqputqn"v gxlegu"v"gz kkpki "hckkvkgu."cp"lpetgcug"kp"vj g"rdqt"lqtg"qh"qpg"lqd"r gt" chgevgf "hckkv { "ku"cuwo gf "kp"vj ku"cpncr"uku0 Vj gtghqtg."upeg"pq"uuducpvkcn"lpetgcug"kp"mecn' r qr wvklp"y qwrf "dg"cpvklr cvgf "cu"v"tguwn"qh"lo r ngo gpvklp "RCT"3629."vj gtg"y qwrf "dg"pq" eqttgur qpf lpi "lo r cev"vq"mecn'uej qqn"qt"r ctmi"cpf "vj gtg"y qwrf "dg"pq"eqttgur qpf lpi "pggf "hqt"pgy " qt"r j { ulecm "cngtgf "r vdrle"hckkvkgu"lp"qtf gt"vq"o clpvcip"ceegr vdrle"ugtxleg"vclvku."tgr qpug"vko gu." qt"qvj gt"r gthqto cpeg"qdlgevkgu0Vj gtghqtg."pq"lo r cev"y qwrf "dg"gzr gevqf "vq"uej qqn."r ctmi"qt" qvj gt"r vdrle"hckkvkgu0"

"

## Conclusion

Dcuqf "vr qp"vj gug"eqputf gtevkqp."uki pkhlevkqp"cf xgtug"r vdrle"ugtxlegu"lo r cev"ctg"pqv'gzzr gevqf "htqo " lo r ngo gpvklp " RCT" 36290 Upeg"pq"uki pkhlevkqp"r vdrle" ugtxlegu" lo r cev"y gtg"kf gpvklr . "pq" o kki cvklp"o gcuwgu"ctg"pgeguuct { "qt"tgs vktg 0

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XV." RECREATION.</b>					
c+	Y qwf "y g" r tqlgev" kpetgcug" yj g" wug" qh" gz kuki " pgki j dqtj qqf " cpf " tgi kqpcn' r ctmu" qt" qy gt" tgetgcvkqpcn' hcekkkgu" uwe j " yj cv" uwdupvkn' r j {ulecn' f gvgtkqtcvkq" qh" yj g" hcekkk" y qwf " qeewt" qt" dg" ceegntcvgf A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+	F qgu" yj g" r tqlgev" kpenmf g" tgetgcvkqpcn' hcekkkgu" qt" tgs vkt g" yj g" eqput wevkq" qt" gzer cpukq" qh' tgetgcvkqpcn' hcekkkgu" yj cv' o ki j v' j cxg" cp" cf xgtug" r j {ulecn' ghge v" qp" yj g" gp xkt qpo gpv" qt" tgetgcvkqpcn' ugt xlegu A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Ko r ceu" v" tgetgcvkq" y kni dg" eqpuf gtgf "uki pkhecpv" h"

/ Vj g" r tqlgev" tguwu" kp" cp" kpetgcug" f go cpf " hqt" pgki j dqtj qqf " qt" tgi kqpcn' r ctmu" qt" qy gt" tgetgcvkqpcn' hcekkkgu"

/ Vj g" r tqlgev" cf xgtugn" " chgeu" gz kuki " tgetgcvkqpcn' q r qt wplkgu"

### Discussion

RCT" 3629" y kni tgf weg" go kuukpu" qh" ctugple. " ecf o kwo " cpf " plengn" ltqo " pqp/ ej tqo kwo " o gven" o gmkpi " qr gtcvkqpu" d{ " tgxkuki " go kuukq" ucpf ctf u. " guvdrkuj kpi " o qpksqtkpi " r tqxkukpu" hqt" ckt" r qmwkq" eqpvtqngs vkr o gpv. " cf f kpi " dwtf kpi " gperquwtg" r tqxkukpu" v" hko k' hwi kxg" go kuukpu. " cpf " wrf cvkpi " j qwugnggr kpi. " uqwtg" vgu kpi. " cpf " o qpksqtkpi. " tgeqtf nggr kpi. " cpf " tgr qtkpi " tgs vkt go gpw" Qh' yj g" 76' 82" hcekkkgu" kp" Uqwj " Eqcu' CS O F au" lwtkuf levkq" yj cv' ctg" uwdlgev" v" RCT" 3629. " cm' 76' 82" hcekkkgu" y qwf " dg" tgs vkt gf " v" eqpf wev' j qwugnggr kpi. " hqt" hcekkkgu" y qwf " pggf " v" kpucm' go kuukq" eqpvtqnf gxlegu" g" 0' dci j qwugu. " hqt" hcekkkgu" y qwf " pggf " v" eqput wev' dwtf kpi " gperquwtgu. " 3; - 38" hcekkkgu" y qwf " pggf " v" o cng" o kpqt " ko r tqxgo gpw. " 3; - 35" hcekkkgu" y qwf " dg" tgs vkt gf " v" eqpf wev' r gtkf le" uo qng" vguu. " gki j - 35" hcekkkgu" y qwf " pggf " v" kpucm' go kuukq" eqpvtqnf f gxlegu" o qpksqtkpi " gs vkr o gpv. " cpf " 35- 45" hcekkkgu" y qwf " dg" tgs vkt gf " v" eqpf wev' r gtkf le" uqwtg" vgu kpi 0"

"

**XV. a) & b) No Impact.** Cu' r tgxkqun" gzer r kpgf " kp" Ugevkq" Z KKKo" Rqr wrvkq" cpf " J quukpi. " RCT" 3629" ku" pqv" gzer gev" v" q" chge v' r qr wrvkq" i tqy yj " qt" f kvtkdwkq" y kj kp" yj g" Uqwj " Eqcu' CS O F au" lwtkuf levkq" dgecwug" y qtngtu" pggf gf " v" eqpf wev' eqput wevkq" cevkxkkgu" v" eqo r n" y kj " RCT" 3629" ecp" dg" uwr r rkgf " d{ " yj g" gz kuki " rcdqt" r qqn' kp" yj g" mecn' Uqwj gtp" Ecn' hqtplc" ctgc" cpf. " cv' o quv. " qpg" go r m{ gg" o c{ " dg" pggf gf " v" qr gtcvg" cpf " o clpvclp" go kuukq" eqpvtqnf f gxlegu" cv' hqt" hcekkkgu" O Cu" uwe j. " RCT" 3629" ku" pqv' cpvlekr cvgf " v" i gpgtcv" cp{ " uki pkhecpv" cf xgtug" ghgeu. " gkj gt" kp' kt gev" " qt" f kt gev" " qp" r qr wrvkq" i tqy yj " y kj kp" yj g" Uqwj " Eqcu' CS O F au" lwtkuf levkq" qt" r qr wrvkq" f kvtkdwkq. " yj wu" pq" cf f kqpcn' f go cpf " hqt" tgetgcvkqpcn' hcekkkgu" y qwf " dg" gzer gev" f O P q" hwt yj gt" tgs vkt go gpw" kp" RCT" 3629" y qwf " dg" gzer gev" v" q" chge v' tgetgcvkq" kp" cp{ " y c{ 0' Vj gtghgtg. " RCT" 3629" y qwf " pqv" kpetgcug" yj g" f go cpf " hqt" qt" wug" qh" gz kuki " pgki j dqtj qqf " cpf " tgi kqpcn' r ctmu" qt" qy gt" tgetgcvkqpcn' hcekkkgu" qt" tgs vkt g" yj g" eqput wevkq" qh' pgy " qt" gzer cpukq" qh' gz kuki " tgetgcvkqpcn'

"

hceknkku"j cv'o ki j v'j cxg"cp"cf xgtug"r j { ulecn'ghhgev"qp"j g"gp xktqpo gpv"dgecwug"kv'y qwf "pqv"  
f k tgevn { "qt"lpf k tgevn { "petgcug"qt "tgf kwtkdwg"r qr wrcvqp0

"

### Conclusion

Dcugf "wr qp"j gug"eqpukf gtcv kpu."uki pkhcepv"cf xgtug"tgetgc vqp"ko r cevu"ctg"pqv"gzr gev f "ltqo "  
ko r rgo gpv kpi "RCT"36290Ukpeg"pq"uki pkhcepv"tgetgc vqp"ko r cevu"y gtg"lf gpv kpf."pq"o kki cvkqp"  
o gcwtgu"ctg"pgeguuct { "qt"tgs wktgf 0

"

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XVI. SOLID AND HAZARDOUS WASTE.</b> Y qwf "vj g'r tqlgev<"					
c+	Dg"ugt xgf "d{ "c"ncpf hkn'y kj "uw hlekp v" r gto kwgf "ecr cek{ "vq"ceeqo o qf cvg"vj g" r tqlgev u"uqrf "y cug" f kur qucn'pggf uA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d+	Ego r n{ "y kj "hgf gtcn"ucv g."cpf "mqecn" ucw wgu"cpf "tgi wrcvkpu'tgr cvg"vq"uqrf " cpf "j c  ctf qwu'y cugA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

Vj g'r tqr qugf "r tqlgev"ko r cewu"qp"uqrf "cpf "j c| ctf qwu'y cug"y kn'dg"eqpuf gtgf "uki p hlecpv"kh"vj g" hmqy kpi "qeewu-"

/ Vj g'i gpgtcvkp"cpf "f kur qucn'qh"j c| ctf qwu'cpf "pqp/j c| ctf qwu'y cug"gzeggf u"vj g"ecr cek{ " qh'f guki pcvgf "ncpf hku0"

### Discussion

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn"ltqo "pqp/ej tqo kwo "o gvcn" o gnkpi "qr gtcvkpu"d{ "tgxkukpi "go kuukpp"ucpf ctf u."guvcdkuj kpi "o qpkqtkpi "r tqxkukpu"ht"ct" r qmwkqp"eqpvtqngs wkr o gpv."cf f kpi "dwkf kpi "gperquwtg'r tqxkukpu"vq"rko k'hw kkg"go kuukpu."cpf " w f cvkpi " j qwugnggr kpi ." uqwtg" vgu kpi ." cpf " o qpkqtkpi ." tgeqtf nggr kpi ." cpf " tgr qt vki " tgs vkt go gpw0Qh"vj g"76'82'hcekkkku"lp"Uqwj "Eqcu'CS O F a'lwtkuf levkq"vj cv'ctg"uwdlgev"vq"RCT" 3629."cm76'82'hcekkkku"y qwf "dg'tgs vkt gf "vq"eqpf wev'j qwugnggr kpi ."hqt'hcekkkku"y qwf "pggf "vq" kpuvcm'go kuukpp"eqpvtqnf gxlegu"30'0'dci j qwugu."hqt'hcekkkku"y qwf "pggf "vq"eqpvt wev'dwrf kpi " gperquwtgu."3;-38'hcekkkku"y qwf "pggf "vq"o cng"o kqat "ko r tqxgo gpw."3;-35'hcekkkku"y qwf "dg" tgs vkt gf "vq"eqpf wev'r gtkf le"uo qng"vguu."gk-j-35'hcekkkku"y qwf "pggf "vq"kpucm'go kuukpp"eqpvtqnf f gxleg"o qpkqtkpi "gs wkr o gpv."cpf "35'45'hcekkkku"y qwf "dg'tgs vkt gf "vq"eqpf wev'r gtkf le"uqwtg" vgu kpi 0"

**XVI. a) Less Than Significant Impact.** RCT"3629"y kn'ecwug"eqpvt wevkq"cevxxkku"vq"qeew"cv" chhgevgf "hcekkkku."cpf "vj gug"cevxxkku"o c{ "tguw"lp"vj g'i gpgtcvkp"qh"uqo g"uqrf "eqpvt wevkq"y cug" vj cv'o c{ "pggf "vq"dg" f kur qugf "qh"lp"c"ncpf hkn0J qy gxgt."dgecwug"RCT"3629" f qgu"pqv'ur gekhcecm{ " tgs vkt g" f go qrkukp"vq"qeew."dg{ qpf "vj g"tgs vkt go gpv'ht" hcekkkku"vq"tgo qxg"y gcvj gt"ecr u"ltqo " tqqlhqr "xgpwrcvkp"r qkpva."pq"uki p hlecpv"co qwpv'qh'eqpvt wevkq"y cug"ku'gxr gev g"vq"dg'i gpgtcvgf 0' Cf f kkpem{ ."vj g'qr gtcvkq"qh'dci j qwugu'y kn'tguw"lp"vj g'i gpgtcvkp"qh"j c| ctf qwu'y cug"eqmgev g" d{ "vj g"go kuukpp"eqpvtqnf gxleg0'hcekkk{ "qr gtcvqtu"y kn'tgo qxg"vj g"dcj j qwug"y cug"cpf "uqtg"kv"kp" 72/i cmqp" f two u."cpf "ugpf "vj g'y cug"vq" c'egt vkhgf "j c| ctf qwu'y cug"ncpf hkn'qt "tge{ enkpi "egpvgt"ht" r tqr gt" f kur qucn'qt "tge{ enkpi 0'Gcej "dcj j qwug"ku'gxr gev g"vq"dg"go r vkgf "qpeg"gxgt { "vj tgg"o qpj u." r tqf wekpi "qpg" f two "20'47"ewdle" { ctf +qh'y cug"r gt"dcj j qwug0Vqcn'y cug"i gpgtcvkp"ltqo "36'32" dcj j qwugu"kpucmgf "cv'hqt'hcekkkku"ku'gunko cvgf "pqv"vq"gzeggf "50'ewdle" { ctf u'gxgt { "vj tgg"o qpj u0' Hqt"eqo r ctkuqp."vj g"uo cmgu'cxckrdng"eqo o gtekn'f wo r uvgt "j cu" c'ecr cek{ "qh"vj tgg"ewdle" { ctf u0' Uko krt f wo r uvgtu'ctg'tgi wrctn{ "hknf"cpf "go r vkgf "y ggm{ "d{ "uo cm'dwulpguugu."y j kg'k'y qwf "vcng" pgctn{ "vj tgg"o qpj u"ht"cm'36'32"dcj j qwugu"cv"vj g" hqt"chhgevgf "hcekkkku"vq"r tqf weg"qpg" hmn' f wo r uvgt"htcf "qh'y cug0Vj wu."uqrf "cpf "j c| ctf qwu'y cug"i gpgtcvkp"ku'pqv'gxr gev g"vq"uki p hlecpv{ " ko r cev'gzkukpi "r gto kwgf "ncpf hkn'ecr cek{ ."cpf "cm'chhgevgf "hcekkkku"y kn'dg"cdng"vq"dg"ugt xgf "d{ "c" ncpf hkn'y kj "uw hlekp v"r gto kwgf "ecr cek{ "vq"ceeqo o qf cvg"vq"r tqlgev u"uqrf "f kur qucn'pggf u0"

"  
"

**XVI. b) No Impact.** K'ku'cuwo gf "y cv'hekkv{ "qr gtcvqtu'cv'yj g'hekkvku'ewttgpn{ 'eqo r n{ 'y kj "cm' cr r ncedng'mecn'ucvg."qt'hgf gtcn'y cug'f kur qucn'tgi wrcvqpu."cpf "RCT"3629"f qgu'pqv'eqpvckp"cp{ " r tqxkukqpu"y cv'y qwf "y gcngp"ewttgpn'r tcevegu0'Y j kg"RCT"3629"y qwf "tgs wktg"fwu"go kwkpi " o gcn'y cug"vq"dg"tcur qtvgf "kp"ugcngf "eqpvckpgtu."y ku'tgs wktgo gpv'utgpi yj gpu'y cug"j cpf rkp " r tcevegu." cpf " tgf wegu" tkun' qh' gzc quwtg" vq" j c| ctf qwu" y cug" f wtkpi " ku" tcur qt'Vj wu." ko r ngo gpvcvqp"qh"RCT"3629"ku'pqv'gzc gevfg "vq"kvgtggtg"y kj "cp{ "chgevgf "hekkv{ cu'cdkv{ "vq" eqo r n{ 'y kj "cr r ncedng'mecn'ucvg."qt'hgf gtcn'y cug'f kur qucn'tgi wrcvqpu'kp"o c'p'p'gt "y cv'y qwf " ecwug"cu'ki p'hecpv'cf xgtug'uqrk "cpf "j c| ctf qwu"y cug"ko r ceu'

"

### Conclusion

Dcugf "wr qp"y gug"eqpvkf gtcvqpu."uki p'hecpv'cf xgtug'uqrk "cpf "j c| ctf qwu"y cug"ko r ceu'ctg"pqv' gzc gevfg "tqo "ko r ngo gpvki "RCT"36290'U'peg"pq"uki p'hecpv'uqrk "cpf "j c| ctf qwu"y cug"ko r ceu' y gtg'kf gpv'hegf . "pq"o kki cvkq"o gcwug'ctg'pgeguuct { "qt'tgs wktgf 0'

"

"

"

		Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XVII. TRANSPORTATION.</b>					
"Y qwf "y g"rtqlgev<					
c+	Eqphlev" y kj " c" r tqi tco " r np." qtf kpcpeg" qt" r qnle{ " cff tguulpi " y g" ekewr vqp" u{ ugo . " kpenf lpi " vcpuk." tqcf y c{." dle{eng" cpf " r gf gwtkcp" hcekkkguA"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d+	Eqphlev" y kj " qt " dg" kpeqpukvgpv" y kj " EGS C" I w f g n k p g u " U g e v k p p " 3728605 * d + A "	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+	Uwducpv k m { " k p e t g c u g " j c   c t f u " f v g " v q " c " i g q o g t k e " f g u k i p " h g c w t g " * g d 0 " u j c t r " e w t x g u " q t " f c p i g t q w u " k p v g t u g e v k p u + " q t " k p e q o r c v k d r g " w u g u " * g d 0 " h c t o " g s w k r o g p v + A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+	Tguwn" k p " k p c f g s w c v g " g o g t i g p e { " c e e g u u A "	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Significance Criteria**

Ko r ceu"qp"vcpur qt v k p p " c p f " v t c h l e " y k m d g " e q p u k f g t g f " u k i p k h e c p v k h " c p { " q h " y g " h q m y k p i " e t k g t k c " c r r n { < "

/ R g c m i r g t k q f " r g x g n u " q p " o c l q t " c t v g t k c n u " c t g " f k u t w r v g f " v q " c " r q k p v " y j g t g " r g x g n i q h " u g t x l e g " \* N Q U + " k u " t g f w e g f " v q " F . " G " q t " H " h q t " o q t g " y c p " q p g " o q p y j 0 "

/ C p " k p v g t u g e v k p p u " x q n w o g " v q " e c r c e k v { " t c v k q " k p e t g c u g " d { " 2024 " \* y q " r g t e g p v " q t " o q t g " y j g p " y j g " N Q U " k u " c n t g c f { " F . " G " q t " H 0 "

/ C " o c l q t " t q c f y c { " k u " e m u g f " v q " c m i " y t q w i j " v t c h l e . " c p f " p q " c n g t p c w g " t q w g " k u " e x c k r d r g 0 "

/ V j g " r t q l g e v " e q p h l e w " y k j " c r r n e c d r g " r q n l e k u . " r n p u " q t " r t q i t c o u " g u v c d r k u j k p i " o g c u w t g u " q h " g h g e v x g p g u u . " y j g t g d { " f g e t g c u l p i " y j g " r g t h q t o c p e g " q t " u c h g v { " q h " c p { " o q f g " q h " v t c p u r q t v k p p 0 "

/ V j g t g " k u " c p " k p e t g c u g " k p " v t c h l e " y c v " k u " u w d u c p v k m { " k p " t g n v k p p " v q " y j g " g z k u k p i " v t c h l e " i q c f " c p f " e c r c e k v { " q h " y j g " u t g g v u { u g o 0 "

/ V j g " f g o c p f " h q t " r c t n k p i " h c e k k k g u " k u " u w d u c p v k m { " k p e t g c u g f 0 "

/ Y c v g t " d q t p g . " t c k i e c t " q t " c k " v t c h l e " k u " u w d u c p v k m { " c n g t g f 0 "

/ V t c h l e " j c | c t f u " v q " o q w t " x g j k e r g u . " d l e { e n k u w " q t " r g f g u t k c p u " c t g " u w d u c p v k m { " k p e t g c u g f 0 "

/ V j g " p g g f " h q t " o q t g " y c p " 572 " g o r m q { g g u 0 "

/ C p " k p e t g c u g " k p " j g c x { / f w { " v t c p u r q t v " t w e n i " v t c h l e " v q " c p f k t " h t q o " y j g " h c e k k v { " d { " o q t g " y c p " 572 " v t w e n i t q w p f " v t k r u " r g t " f c { 0 "

/ K p e t g c u g " e w u x q o g t " v t c h l e " d { " o q t g " y c p " 922 " x k u k u " r g t " f c { 0 "



## Discussion

RCT"3629"y kn'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf "plengn'ltqo "pqp/ej tqo kwo "o gvcn' o gmkpi "qr gtcvkqpu"d{ "tgxkukpi "go kuukqp"ucpf ctf u."guvdrkuj kpi "o qpkqtkpi "r tqxkukpu"ht"ckt " r qmwkqp"eqpvtqngs wkr o gpv."cf f kpi "dwkrf kpi "gperquwtg'r tqxkukpu"v'ko k'hw kxg"go kuukpu."cpf " w f c kpi " j qwugnggr kpi ." uqwtg" vguu kpi ." cpf " o qpkqtkpi ." tgeqtfngr kpi ." cpf " tgr qt v kpi " tgs wkt go gpw'Qh'y g'76'82'hcekklgu'lp'Uqwj 'Eqcu'CS O F a'lwtkuf levkqp'y cv'ctg'uwdlgev'v'RCT" 3629."cm'76'82'hcekklgu'y qwrf "dg'tgs wkt gf "v'eqpf wev'j qwugnggr kpi ."hqt'hcekklgu'y qwrf "pggf "v' kpuvcm'go kuukqp"eqpvtqnf gxlegu"4'0'dci j qwugu."hqt'hcekklgu'y qwrf "pggf "v'eqpwt wev'dwkrf kpi " gperquwtgu."3;"38'hcekklgu'y qwrf "pggf "v'o cng"o kpt "ko r tqxgo gpw."3;"35'hcekklgu'y qwrf "dg" tgs wkt gf "v'eqpf wev'r gkqf le"uo qng'vguu."gk j-"35'hcekklgu'y qwrf "pggf "v'kpuvcm'go kuukqp"eqpvtqnf f gxleg"o qpkqtkpi "gs wkr o gpv."cpf "35"45'hcekklgu'y qwrf "dg'tgs wkt gf "v'eqpf wev'r gkqf le"uqwtg" vguu kpi 0'

**XVII. a) & b) Less than Significant Impact.** Cu'r tgxkwun' f kuewugf 'lp'Ugevkp'KK6'Ck'S wcrk' " cpf "I tggpj qwug'I cu'Go kuukpu."eqo r rkepeg'y kj "RCT"3629"y qwrf "tgs wkt g'eqpwt wevkqp"cevkxkku" v'eqpwt wev'dwkrf kpi "gperquwtgu."ko r tqxg'dwkrf kpi "gperquwtgu."cpf "kpuvcm'dci j qwugu"cpf "go kuukqp" eqpvtqnf gxleg"o qpkqtkpi "gs wkr o gpv'0'k'cf f kkp."go kuukpu'y kn'qeew'ltqo "xgj lergu'f kur cvej gf " v' "hcekklgu"ht"j g'r wtr qug"qh'eqpf wev'kpi "uqwtg"vguu"cpf "uo qng"vguu."cu'y gni'cu'f grkxgt kpi " uwr r kgu"cpf "f kur qukpi "qh'y cuvg'Vcdrg"4/33"r tgugpvu'y g"xgj lerg"vkr u'y cv'o c{ "qeew"qp"c'r gcm' f c{ "qh'eqpwt wevkqp"cpf "qr gtcvkqpcn'qxtgr 0'

**Table 2-11**  
**Peak Day Vehicle Trips**

Activity	Vehicle Trips
4'Uo qng'Vguu"	4'Rcuugpi gt'Cwqu"
4'Uqwtg'Vguu"	4'Rcuugpi gt'Cwqu" 4'Uw r qt v'Vt wem"
3'J cwi'Vtkr "	3'J cwi'Vt wem'
6'O kpt 'Gperquwtg" Ko r tqxgo gpw"	6'F grkxgt { "Vt wem" : 'Rcuugpi gt'Cwqu"
6'Go kuukqp'Eqpvtqnf gxleg" O qpkqtkpi "Gs wkr o gpv" Kpuvcm'vkpu"	6'F grkxgt { "Vt wem" : 'Rcuugpi gt'Cwqu"
6'Dwkrf kpi "Gperquwtgu"4'y cmu"	34'Rcuugpi gt'Cwqu" 6'F grkxgt { "Vtkr u" 6'Etcpgu" 6'Hqtmkhu"
6'Dci j qwug"Kpuvcm'vkpu"	42'Rcuugpi gt'Cwqu" 6'F grkxgt { "Vt wem" 6'Hqtmkhu" 6'Cgtkcn'Nkhu"
<b>Total</b>	<b>87 Vehicle Trips</b>

74'r cuugpi gt'xgj lergu."3: "o gf kwo /f w' "vt wem."qp'j gcx{/f w' "j cwi'vt wem'hqt'etcpgu."hqt'cgtkcn' r khu."cpf "gk j v'hqtmkhu"y qwrf "dg"wgf "qp"c'r gcm'f c{ ."ht"c"v'cn'qh": 9'cf f kkp'cn'xgj lerg"vkr u."

y j lej "ku"dgmy "y j g"uki p~~h~~kepeg"y j tguj qrf "qh"572"tqwpf "tkr uO'Hwt y gt."hqtmkhu."cgtkcn'khu."cpf "etcpgu'ctg"gzr gewf "q"tgo clp"qp"y j g"lqd"ukg."cpf "pqv'eqpvtkdwg"q"qp/tqcf "tchle0"

kp'ceeqtfcpeg'y kj 'y g'r tqo wi c'v'kp'qh'UD'965'y j kej 'tgs wkt gu'cpcn{ ugu'qh'tcpur qt'c'v'kp'ko r cew  
kp'EGS C'f qewo gpw'v'q'eqpuf gt'c'r tqlgew'xg j keng'o kgu'v'cxgngf '\*XO V+{kp'kgw'qh'cr r n' lpi 'c'  
NQU'o g'wle'y j gp'f g'vto k'p'p' 'uki p'k'ecpeg'ht'v'cpur qt'c'v'kp'ko r cew.'EGS C'I w'f g'p'gu'Uge'v'kp'  
372865\*d+6+i k'xgu'c'ngcf'ci gpe{'v'wug'f'k'uetg'v'kp'v'q'ej qqug'y g'o qu'cr r tqr t'k'v'g'o g'y qf qm'q'{'  
v'g'x'c'w'v'g'c'r tqlgew'XO V.'cm'y lpi 'y g'o g'wle'v'q'dg'g'zr t'gu'gf'cu'c'ej cpi g'kp'cduq'w'g'v'to u.'  
r gt'ecr k'c.'r gt'j' q'wug'q'nf.'qt'kp'cp{'q'y gt'o g'cu'w'g'o"

P qpgvj grguu. "vj g"EcnGGO qf "o qf grkpi "qh'vj g"ko r cewi"tqo "RCT"3629"y cu'cdrg"vq"s wcpvkh{ "vj g" XO V"tqo "vj g'r tqlgv0Vj g"vqcrnXO V"s wcpvkhf "tgr tguwpw"cy qtuveug{" gct"qh'eqputwewkp"cpf " qr gtcvqp0F wtkpi "vj g"htuv{" gct"y j gp"cm'uqwtg"vguu"cpf "uo qng"vguu"y kn'dg"eqo r rvgf "cpf " eqputwewkp"ko r cewi'y kn'qeevt. "vj gug'ce'xkkgu'ctg"guno cvgf "vq'tguwnlp"38.2773: .587"vqcrnXO V0' Uqwj "Eqcu"CS O F"j cu"pqv'gucdrkj gf "c"uki phtecpeg"vj tguj qrf "hqt"gxncwvki "XO V"cu'qh'vj g" y tkkpi "qh'vj ku"Fteh"Hpkn"GC"dgecwug"vj g'tgs wktgo gpv"vq"cr r n{ "c"XO V"o gvtke"vq"f gvgto kpg" uki phtecpv'tcpur qtvcvqp"ko r cewi'f qgu'pqv{ q'lpvq"gh'gevpwvkiLwn{ '3.42420Cu'twej .c"XO V/dcugf " uki phtecpeg"f gvgto lpcvqp"ku"pqv'ewt'gpn{ "c"tgs wktgf "eqo r qp'gpv'qh'vj ku"cpn{ uku0J qy gxgt. "hqt" r gtur gev'xg."cp"cf f kkpqn{38.2773: .587"XO V"ku'gs wkcrgpv"vq"cf f lpi "qpg"qt"vy q'xgj kengu"vq"vj g" tqcf "q'xgt"vj g'r gtlqf "qh'qpg{" gct0Dgecwug"vj g"ko r ngo gpvcvqp"qh'RCT"3629"y kn'pqv'gzeggf "vj g" uki phtecpeg"vj tguj qrf "hqt"xgj keng"vtr u"qp"c'r gcnlf c{ "qt"cp{ "qh'vj g"uki phtecpeg"etkgtkc"qwwkpgf "kp" vj ku'ugevqp. "vtchle"cpf "vcpur qtvcvqp"ko r cewi'f wtkpi "eqputwewkp"cpf "qr gtcvqp"ctg"pqv'g'zr gev'f " vq'ecwug"c'uki phtecpv'cf xgtug"ko r cev0Vj gtghq'tg. "RCT"3629"y kn'pqv'eqphlev'y kj "qt'dg'kpeqpukvgpv" y kj "EGS C"l wktgrkpgu"Ugevqp"3728605\*d+0Hwtvj gt. "dgecwug"ko r ngo gpvcvqp"qh'RCT"3629"y kn' pqv'cngt"cp{ "vcpur qtvcvqp"r mpu. "RCT"3629"y kn'pqv'eqphlev'y kj "c'r tqi tco "r m'p. "qtf k'cpeg"qt" r qrlc{ "cf f tguulpi "vj g"ekewrcvqp"u{ u'ngo . "kpnw'f lpi "vcpuk." tqcf y c{ . "dke{ eng"cpf "r gf gultkcp" hcekrkkgu0

XVII. c) & d) "No Impact. RCT"3629" f qgu"pqv"lpxqrxg"qt"tgs wktg"j g"eqputwekqp"qh"pgy" tqcf y c{ u."dgecwug"j g"lqewu"qh"RCT"3629"ku"q"eqpvtqnctugpk. "ecf o kwo . "cpf "plengn"go kuukpu" htqo "pqp/ej tqo kwo "o gcn"o gmkpi "hcekkku"Vj wu. "j gtg"y kn"dg"pq"ej cpi g"vq"ewtgpv"r wrle" tqcf y c{ "f guki pu"lpenf kpi "c"i ggo gtle" f guki p"hgwtg"j g"cv'eqwf "lpetgcug"tchle"j c| ctf u"0Hwt j gt. RCT"3629"ku"pqv"gzr gev'f "vq"uwducpvkcm" "lpetgcug"tchle"j c| ctf u"qt"etgcvg"lpeqo r cvkdr" wugu"cv' qt"cf lcegpv"vq"j g"lcekkku"0Eqputwekqp/tgrv'f "cevkxkku"ctg"gzr gev'f "vq"dg"vgo r qtct{ "cpf "ku" gzr gev'f "vq"lpxqrxg"uj qt v'vgo "eqputwekqp"cevkxkku"uwej "cu" f grkxgt{ "tven"t'kr u"y j lej "y qwf" egcug"ch'gt"eqputwekqp"ku"eqo r r'v'v'f 0Vj "g"r tqr qugf "r tqlgev"ku"pqv"gzr gev'f "vq"cn'gt"j g"gz k'kpi " r'pi /v'go "ekewr'v'qp"r cv'gtpu"y kj kp"j g"ctgc"u"qh" gcej "ch'ge'v'f "hcekkk" f wtkpi "eqputwekqp"0' Uko k'rt'nf . "f wtkpi "qr gtcv'qp. "j g"r tqlgev'f "lpetgcug"qh"cf f k'k'q'p'cn'x'g' k'eng"t'kr u"j cv'o c{ "dg"pggf gf " cv'gcej "ch'ge'v'f "hcekkk" y qwf "dg"cv'v'guu"j cp"uki pl'hcecpv'lx'g'nu"lpf k'k'f wcm{ "cpf "ewo w'v'v'x'g'nf "uwej " j cv'j g"ko r r'go gp'v'v'qp"qh"j g"r tqr qugf "r tqlgev"ku"pqv"gzr gev'f "vq"tgs wktg" c"o qf h'cecv'qp"vq" ek'ewr'v'qp"0'Vj wu. "pq"r'pi /v'go "ko r ceu"qp"j g"tchle"ek'ewr'v'qp"u{ u'go "ctg"gzr gev'f "vq"qeewt" f wtkpi "eqputwekqp"qt"qr gtcv'qp"0'Hwt j gt. "ko r ceu"vq"gz k'kpi "go gti gpe{ "ceegu"cv'j g"ch'ge'v'f " hcekkku"y qwf "cnu"pqv'dg"ch'ge'v'f "dgecwug"RCT"3629" f qgu"pqv'eqpvc'p"cp{ "tgs wktg" go gpw'ur gek'le" vq"go gti gpe{ "ceegu"r q'kp'u"cpf "gcej "hcekkk" y qwf "dg"gzr gev'f "vq"eqp'v'pwg"vq"o cl'p'v'p"j gk" gz k'kpi "go gti gpe{ "ceegu"0' Cu" c" t'guwn. "RCT"3629"ku"pqv"gzr gev'f "vq"t'guwn"lp"kp'cf gs wcv'g" go gti gpe{ "ceegu"0'

"

"

### Conclusion

Dcugf "wr qp"j gug"eqpukf gtcvapu."uki pklhecpv"cf xgtug"vcpur qtvckqp"cpf "vtchle"ko r ceu"ctg"pqv"  
gZR gevgf "ltqo "ko r ngo gpvpi "RCT"36290Ukpeg"pq"uki pklhecpv"vcpur qtvckqp"cpf "vtchle"ko r ceu"  
y gtg"kf gpvkhgf ."pq"o kki cvkqp"o gcuvtgu"ctg"pgeguuct { "qt"tgs vktgf 0"

"

"

"

"

"	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XVIII. WILDFIRE.</b> K'mecv'f "k'p'qt'pgct" ucvg'tgur qpukdkk' "ctgcu'qt'ncpf u" ercuukh'g'f "cu'xgt { 'j ki j 'h'g'j' c  ctf " ugxgtk'f { 'l qpgu.'y qwrf "y g'r tqlgev'				
c+ Uwducp'vcm'f " lo r ck" cp" cf qr v'f " go gti gpe { "tgur qpug"r ncp"qt"go gti gpe { " gxcewcv'kp'r ncpA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+ F w'g'v'q'ur g.'r t'gxc'k'p' 'y k'p'f u.'cpf "q'y gt" h'cevtu." gzcegt'dcv'g' y k'f h'k'g' t'kum'." cpf " y'j gtd { "gzr qug" r tqlgev' qeewr cpw' v'q." r qm'wcpv'eqpegp'vc'k'p'u'htqo "c"y k'f h'k'g" qt'y'j g'w'p'eqp'v'qngf "ur t'gcf "qh'c"y k'f h'k'gA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e+ T'gs w'k'g' "y'j g' "k'p'ucm'v'kp' "qt"o c'k'p'v'g'p'c'peg" qh' cu'q'ek'cv'g'f " k'p'ht'c'ut'v'ewt'g' "u'w'ej " cu" t'q'cf u." h'w'gn' d't'gcm'." go gti gpe { " y'c'v'g't" u'q'w'eg'." r q'y gt "k'p'gu." qt"q'y gt "w'k'k'k'g' " y'j cv'o c { "gzcegt'dcv'g' h'k'g' t'kum' "qt"y'j cv'o c { " t'gu'w'v'k'p' "v'go r q't'ct { "qt"q'p'i q'k'p'i "lo r c'ew'v'q" y'j g'g'p'x'k'k'q'p'o g'p'v'A"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f+ G'zr qug' r g'q'r g' "qt" ut'w'ewt'gu'v'q' u'k'i p'k'k'ecp'v' t'kum'." k'p'ew'f k'p'i " f'q'y p'ur'g' " qt" f'q'y p'ut'g'co "h'q'q'f k'p'i "qt"ncpf ur'k'f gu."cu"c" t'gu'w'v' qh' t'w'p'q'h' " r'q'u'v'h'k'g' " ur'q'r g" k'p'ucdkk'f { "qt" f't'cl'p'ci g'ej c'p'i guA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g+ G'zr qug' r g'q'r g' "qt" ut'w'ewt'gu." g'k'j gt" f'k'g'ev'f { "qt"p'f k'g'ev'f { "v'q"c"u'k'i p'k'k'ecp'v't'kum' qh' m'qu'." k'p'lw't { " qt" f'g'c'y " k'p'x'q'r'k'p'i " y k'f h'k'g'guA"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Significance Criteria

C'r tqlgev'u'cdk'k'f { "v'q"eqp'v'k'dw'g'v'q"c"y k'f h'k'g'y k'n'd'g'eqp'uk'f g't'g'f "u'k'i p'k'k'ecp'v'h'v'j g'r tqlgev'ku"  
 m'ecv'f "k'p'qt'pgct"ucvg'tgur qpukdkk'f { "ctgcu'qt'ncpf u'ercuukh'g'f "cu'xgt { 'j ki j 'h'g'j' c| ctf "ugxgtk'f { "  
 | qpgu.'cpf "cp { "qh'v'j g'h'q'm'y k'p'i "eqp'f k'k'p'u'ct'g'o g'v' "

- / Vj g'r tqlgev'y qwrf "uwducp'vcm'f "lo r ck"cp"cf qr v'f "go gti gpe { "tgur qpug"r ncp"qt"go gti gpe { "  
 gxcewcv'kp'r ncpO'
- / Vj g'r tqlgev'o c { "gzcegt'dcv'g'y k'f h'k'g't'kum'd { "gzr quk'p'i "y'j g'r tqlgev'u'q'eeewr cpw'v'q'r qm'wcpv'  
 eqpegp'vc'k'p'u'htqo "c"y k'f h'k'g"qt"y'j g'w'p'eqp'v'qngf "ur t'gcf "qh"c"y k'f h'k'g" f'w'g'v'q' ur'q'r g."  
 r t'gxc'k'p'i "y k'p'f u."cpf "q'y gt" h'cevtuO'
- / Vj g'r tqlgev'o c { "gzcegt'dcv'g'y k'f h'k'g't'kum' "qt"o c { "t'gu'w'v'k'p' "v'go r q't'ct { "qt"q'p'i q'k'p'i "lo r c'ew'v'q"  
 v'q"y'j g'g'p'x'k'k'q'p'o g'p'v'dgecwug"y'j g'k'p'ucm'v'kp' "qt"o c'k'p'v'g'p'c'peg"qh'cu'q'ek'cv'g'f "k'p'ht'c'ut'v'ewt'g"

"

\*uwej "cu'tqcf u."hwgn'dtgcnu."go gti gpe{"y cvgt"uqwtugu."r qy gt"rkpgu."qt"qyj gt"wkrlkgu+"ctg" tgs vkt gf 0'

/ Vj g'r tqlgev'y qwr "gZR qug'r gqr rg"qt"utwewtgu"vq"uki pkhecpv'tkumu"uwej "cu"fy purr g"qt" f qy purtgo "hqqf kpi "qt"rpf urkf gu."cu" c"tguwn"qh"twpqlh"r quv/hk g"unqr g"kpucdrlk\."qt" f tclpci g"ej cpi gu0'

/ Vj g'r tqlgev'y qwr "gZR qug'r gqr rg"qt"utwewtgu."gkj gt"fkgevn{"qt"lpf kgevn\."vq" c"uki pkhecpv' tkum'qh"mqu."lplwt {"qt"fgvj "lpqxrlkpi "y krf hkt gu0'

## Discussion

RCT"3629"y km'tgf weg"go kuukpu"qh"ctugple."ecf o kwo "cpf"plengn'ltqo "pqp/ ej tqo kwo "o gwn' o gmkpi "qr gtcvkpu" d {"tgxkupi "go kuukp"ucpf ctf u."guvdrkuj kpi "o qpkqt kpi "r tqxkukpu" hqt" ckt" r qmwkq "eqpvtqnlgs vkr o gpv."cf f kpi "dwkf kpi "gperuwtg'r tqxkukpu"vq' rko k' hwi kkg" go kuukpu."cpf" wrf cvkpi " j qwugnggr kpi ." uqwtg" vgnkpi ." cpf" o qpkqt kpi ." tgeqtf nggr kpi ." cpf" tgr qt vki " tgs vkt go gpw0' Qh' y g"76"82" hceklkgu"lp"Uqwj "Eqcu'CS O F a' lwtkf levkq" y cv'ctg' uwdlgev'vq" RCT" 3629."cm76"82" hceklkgu"y qwr "dg'tgs vkt gf "vq"eqpf wev'j qwugnggr kpi ." hqt' hceklkgu"y qwr "pggf "vq" kpucm'go kuukp"eqpvtqnl' gxlegu" \*g0 0' dci j qwugu." hqt' hceklkgu"y qwr "pggf "vq"eqpwt wev' dwkf kpi " gperuwtgu."3;-38" hceklkgu"y qwr "pggf "vq" o cng" o lqat "ko r tqxgo gpw."3;-35" hceklkgu"y qwr "dg" tgs vkt gf "vq"eqpf wev' r gtlkf le'uo qng'vguu."gk j -35" hceklkgu"y qwr "pggf "vq"kpucm'go kuukp"eqpvtqnl' f gxleg" o qpkqt kpi "gs vkr o gpv."cpf"35"45" hceklkgu"y qwr "dg'tgs vkt gf "vq"eqpf wev' r gtlkf le"uqwtg" vgnkpi 0'

**XVIII. a), b), c), d), & e) No Impact.** Vj g"ko r ngo gpv'vkp"qh"RCT"3629"y km'pqv'tgs vkt g"y g" eqpwt wevkp"qh'cp {"pgy "hceklkgu0'K'y km'pqv'tguwn'lp"y g"eqpwt wevkp"qh'cp {"qeewr kgf "dwkf kpi u." qt" utwewtgu" dg{ qpf "y g" ewtgpv' hceklk\ "dqwpf ctkgu0' Vj wu." RCT" 3629" ku" pqv' gZR gev'f "vq" uwdupv'kcm\ "ko r ckt"cp"cf qr vgf "go gti gpe {"tgr qpug'r rcp"qt"go gti gpe {"gxcewvkp'r rcp0' Hwt y gt." yj g"gzkupi "hceklkgu"y j lej "ctg'uwdlgev'vq" RCT"3629"ctg'qecv'f "lp"lpf wutkcn'ctgcu."cpf"pqv'pgct" y krf rcpf u0' lp"y g"gxgpv'qh" c"y krf hktg."pq"gzcegt dcvkq"qh"y krf hktg"tkumu."cpf"pq"eqpugs wgpv'kcn' gZR quwtg"qh'y g'r tqlgev'qeer cpw"vq"r qmwcpv'eqpegpvtcvkpu"ltqo "c"y krf hktg"qt"y g"vpeqpvtqmgf " urtgcf "qh" c"y krf hktg"fwg"vq"unqr g."r tgxc kpi "y kpf u."qt"qyj gt" hcevtu"y qwr "dg" gZR gev'f "vq" qeer0' Uko kctn\."y g"gzkupi "hceklkgu"y j lej "ctg'uwdlgev'vq" RCT"3629"ctg'qecv'f "lp"lpf wutkcn'ctgcu"cpf" pq"pgy "hceklkgu"ctg'tgs vkt gf "vq"dg"eqpwt wev'f 0' Vj wu."RCT"3629"y qwr "pgkj gt" gZR qug'r gqr rg"qt" utwewtgu"vq"pgy "uki pkhecpv'tkumu."kpenf kpi "fy purr g"qt"fy purtgo "hqqf kpi "qt"rpf urkf gu."cu" c"tguwn"qh"twpqlh"r quv/hk g"unqr g"kpucdrlk\."qt" f tclpci g"ej cpi gu."pqt"y qwr "k'gZR qug'r gqr rg"qt" utwewtgu."gkj gt"fkgevn {"qt"lpf kgevn\."vq" c"pgy "uki pkhecpv'tkum'qh"mqu."lplwt {"qt"fgvj "lpqxrlkpi " y krf hkt gu0' Hkpcm\ ."dgecwug" RCT"3629" f qgu"pqv'tgs vkt g"cp {"eqpwt wevkp"dg{ qpf "gzkupi "hceklk\ "dqwpf ctkgu."y g'kpucm'vkp"qt" o clpv'gpcpeg'qh'cuqekcv'f "lphtcutwewt g"uwej "cu'tqcf u."hwgn'dtgcnu." go gti gpe {"y cvgt"uqwtugu."r qy gt"rkpgu."qt"qyj gt"wkrlkgu+"y cv'o c {"gzcegt dcv' hktg"tkum'qt"y cv'o c {" tguwn'lp"vgo r qtct {"qt"qpi qkpi "ko r ceu"vq"y g"gpv'ctg"pqv'tgs vkt gf 0'

## Conclusion

Dcu'f " wr qp" yj gug" eqpukf gtcvkpu." uki pkhecpv' cf xgtug" y krf hktg" tkumu" ctg" pqv' gZR gev'f " ltqo " ko r ngo gpv'kpi "RCT"36290' Upeg"pq"uki pkhecpv'y krf hktg"tkumu"y gtg'kf gpv'kpf ."pq" o kki cvkq" o gcuwtgu" ctg"pgeguuct {"qt"tgs vkt gf "

"

"	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
<b>XIX. MANDATORY FINDINGS OF SIGNIFICANCE.</b>				
c+ F qgu" y j g" r tqlgev" j cxg" y j g" r qvvpkcn" vq" f gi tcf g" y j g" s wcnk" qh" y j g" gp xktqpo gpv" uwdupvkcni" tgf weg" y j g" j cdkcv" qh" c" huj " qt" y krf rkhg" ur geku. " ecwug" c" huj " qt" y krf rkhg" r qr wrcvqp" vq" f tqr " dgmjy " ugrh/ uuvcklpi " rxxgm. " y j tgcvgp" vq" grko kpcvg" c" r rcpv" qt" cpko cn' eqo o vpk. " tgf weg" y j g" pwo dgt" qt" tguvkv" y j g" t cpi g" qh" c" tctg" qt" gpf cpi gtgf " r rcpv" qt" cpko cn' qt" grko kpcvg" ko r qtvcpv" gzc o r ngu" qh" y j g" o clqt" r gtlkf u" qh" Ecnkhtpck" j kuvqt { " qt" r tgj kuvqt { A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d+ F qgu" y j g" r tqlgev" j cxg" ko r cevu" y j cv' ctg" kpf kxkf wcnk" rko kgf. " dw" ewo wrcvkg" eqpukf gtcdng" " *Ewo wrcvkg" eqpukf gtcdng" o gcpu" y j cv' y j g" kpetgo gpvni" ghgewu" qh" c" r tqlgev" ctg" eqpukf gtcdng" y j gp" xky gf " kp" eqppgevqp" y kj " y j g" ghgewu" qh" r cuv" r tqlgeu. " y j g" ghgewu" qh" qvj gt" ewtgpv" r tqlgeu. " cpf " y j g" ghgewu" qh" r tqdcng" hwwtg" r tqlgeu+	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e+ F qgu" y j g" r tqlgev" j cxg" gp xktqpo gpvni" ghgewu" y j cv' y km' ecwug" uwdupvkcni" cf xgtug" ghgewu" qp" j wo cp" dgkpi u. " gkj gt" f kgev" qt" kpf kgev" A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Discussion

RCT"3629" y km' tgf weg" go kuukpu" qh" ctugple. " ecf o kwo " cpf " plengn" ltqo " pqp/ ej tqo kwo " o gcn' o gnkpi " qr gtcvqp" d{ " tgxkupi " go kuukp" ucpf ctf u. " guvdrkupi " o qpkqtupi " r tqxkukpu" hqt" ckt" r qmwwqp" eqpvtqngs wkr o gpv. " cff lpi " dwkf lpi " gperquwtg" r tqxkukpu" vq" rko k' hwi kxg" go kuukpu. " cpf " wrcvki " j qvugnggr lpi. " uqwtg" vgnkpi. " cpf " o qpkqtupi. " tgeqtf nggr lpi. " cpf " tgr qtupi " tgs wkt go gpw" Qh" y j g" 76'82" hceknkku" lpi" Uqwj " Eqcu' CS O F au' lwtkf kvkqp" y j cv' ctg" uwdlgev" vq" RCT" 3629. " cm76'82" hceknkku" y qwr " dg' tgs wkt gf " vq" eqpf wev' j qvugnggr lpi. " hqt' hceknkku" y qwr " pggf " vq" kpuvni" go kuukp" eqpvtqnf gxlegu" \*g0 0' dci j qvugu. " hqt' hceknkku" y qwr " pggf " vq" eqpvt wev' dwkf lpi " gperquwtgu. " 3; -38" hceknkku" y qwr " pggf " vq" o cng" o kpqt " ko r tqxgo gpw. " 3; -35" hceknkku" y qwr " dg" tgs wkt gf " vq" eqpf wev' r gtlkf le' uo qng' vguu. " gk j -35" hceknkku" y qwr " pggf " vq" kpuvni" go kuukp" eqpvtqnf f gxleg" o qpkqtupi " gs wkr o gpv. " cpf " 35-45" hceknkku" y qwr " dg' tgs wkt gf " vq" eqpf wev' r gtlkf le' uqwtg" vgnkpi 0'

"

**XIX. a) No Impact.** Cu' gzi rclpgf 'kp' Ugevqp' KX' /' Dkqni keni' T guqwtgu. 'RCT' 3629' ku' pqv' gzi geyf " vq" uki phekcpni" cf xgtugni" chgevr' rcpv' qt" cpko cn' ur geku" qt" y j g" j cdkcv" qp" y j kej " y j g" tgn' dgecwug"

cp{ "eqpustwvklp" cpf "qr gtcvklp cn'cevkklgu" cuqekcvf "y kj "j g" hceklklgu" ctg" gzt gev f "v" qeewt " gpvkt gn{ "y kj kp" j g" dqwpf ctkgu" qh" gzklvpi "f gxgnr gf "hceklklgu" kp" ctgcu" j cv'j cxg" dggp" i tgcvn{ " f kwwtdgf " cpf "j cv'ewt gpvn{ "f q"pqv'wv r qt v' cp{ "ur geku" qh'eqpegt p"qt "j g" j cdkcv'qp" y j lej "j g{ " tgn{ 0'Hqt "j gug" tgcuppu. "RCT"3629" ku"pqv' gzt gev f "v" tgf weg" qt "grko kpcvg" cp{ "r rcpv" qt "cpko cn' ur geku" qt "f gunt q{ "r tgi kvqt k' tgeqt f u'qh'j g" r cu0"

**XIX. b) Less Than Significant Impact** 0'Dcugf "qp" j g" hqtgi qkpi "cpcn{ ugu. "RCT"3629" y qwf "pqv' tguwv" kp" uki pklhecpv' cf xgtug" r tqlgev' ur gekhke" gpvkt qpo gpvn' ko r ceu' 0'Rqvgpvkn' cf xgtug" ko r ceu' hqo "ko r ngo gpvki "RCT"3629" y qwf "pqv' dg" oewo wvkvxgn{ "eqpukf gtcdngö" cu" f ghkpgf "d{ "EGS C" I vkf grkpgu" Ugevkp"37286\* j +3+ "hqt" cp{ "gpvkt qpo gpvn' vqr k' dgecvug" j g" g" ctg" pq. "qt" qpn{ "o kpat" kpetgo gpvn' r tqlgev' ur gekhke" ko r ceu' j cv' y g" g" eqpenw f gf "v" dg" ngu" j cp" uki pklhecpv' 0'Rgt "EGS C" I vkf grkpgu" Ugevkp"37286\* j +6+ "j g" o g" g" gzkvgep" qh' uki pklhecpv' ewo wvkvxg" ko r ceu' ecwugf "d{ " qv' gt" r tqlgeu" cnpgg" uj cml' pqv' eqpukwvg" uwdvcpvkn' gxf gpeg" j cv' j g" r tqr qugf "r tqlgeu" kpetgo gpvn' ghgeu" ctg" ewo wvkvxg" eqpukf gtcdng 0' Uqwj "Eqcu" CS O F "ewo wvkvxg" uki pklhecpv' j tguj qrf u' ctg" j g' uco g' cu' r tqlgev' ur gekhke" uki pklhecpv' j tguj qrf u0"

Vj gtghqtg. "j gtg" ku"pq" r qvgpvkn' hqt "uki pklhecpv' cf xgtug" ewo wvkvxg" qt "ewo wvkvxgn{ "eqpukf gtcdng" ko r ceu' v' dg" i gpgtcv f "d{ "RCT"3629" hqt" cp{ "gpvkt qpo gpvn' vqr k' 0"

**XIX. c) Less Than Significant Impact** 0'Dcugf "qp" j g" hqtgi qkpi "cpcn{ ugu. "RCT"3629" ku"pqv' gzt gev f "v" ecwug" cf xgtug" ghgeu" qp" j wo cp" dgkpi u' hqt" cp{ "gpvkt qpo gpvn' vqr k' . gkv' gt "f k' geu" qt" kpf k' geu" dgecvug < "3+ "j g" ct "s wvkvx{ "cpf "I J I "ko r ceu" y g" g" fvgto kpgf "v" dg" ngu" j cp" j g" uki pklhecpv' j tguj qrf u' cu' cpcn{ | gf "kp" Ugevkp" XKKó "Ck" S wvkvx{ "cpf "I tggpj qwug" I cugu=4+ "gpgti { " ko r ceu" y g" g" fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" XKKó "Gpgti { =5+ " i gqmqi kcn' cpf "uqk" ko r ceu" y g" g" fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" XKKó " I gqmqi { "cpf "Uqku=6+ "j g" j c| ctf u' cpf "j c| ctf qwu' b cvgtkcu' ko r ceu' y g" g" fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" XKKó "J c| ctf u' cpf "J c| ctf qwu' O cvgtkcu=7+ "j g' kpetgcugf "y cvgt" wuci g" cpf "y cugy cvgt" y cu' fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" KZ "ó" J { f tqmqi { "cpf "Y cvgt "S wvkvx{ =8+ "j g' pqkug" ko r ceu' y g" g" fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" ZKKó "P qkug=9+ "r wdrke" ugtxlegu" uwej "cu" hkt g" r tqvgevkp" cpf "r qrk' g" r tqvgevkp" y g" g" fvgto kpgf "v" dg" ngu" j cp" j g' uki pklhecpv' j tguj qrf u' cu' cpcn{ | gf "kp" Ugevkp" ZKKó "ó" Rwdrke" Ugtxlegu= : +uqkf "cpf "j c| ctf qwu" y cug" ko r ceu" y g" g" fvgto kpgf "v" dg" ngu" j cp" uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" ZKKó "Uqkf "cpf "J c| ctf qwu" Y cug=cpf " ; +vcpur qt vevkp" cpf "vchke" ko r ceu' y g" g" fvgto kpgf "v" dg" ngu" j cp" j g' uki pklhecpv' cu' cpcn{ | gf "kp" Ugevkp" ZKKó "Vcpur qt vevkp" cpf " Vchke 0' k' " cf fklkp. " j g" cpcn{ uku' eqpenw f gf "j cv' j g" g" y qwf "dg" pq" uki pklhecpv' gpvkt qpo gpvn' ko r ceu' hqt" j g' tgo ckpki "gpvkt qpo gpvn' ko r ceu' vqr k' ctgcu= "cguj g' keu. "ci tlewnwtg" cpf "hqtgut { " tguqwtugu. "dlqmqi kcn' tguqwtugu. "ewwnwtcn" cpf "vtdcn' ewwnwtcn' tguqwtugu. "rcpf "wug" cpf "r rcpkpi. " o kpgtcn' tguqwtugu. "r qr wvkvxg" cpf "j qvukpi. "tgetgcvkp. "uqkf "cpf "j c| ctf qwu" y cug. "cpf "y kf hkt g0"

## Conclusion

Cu' r tglqkwu{ "f luewugf "kp" gpvkt qpo gpvn' vqr k' u' K' j tqwi j "ZKZ. " j g" r tqr qugf "r tqlgev' j cu" pq" r qvgpvkn' v' ecwug" uki pklhecpv' cf xgtug" gpvkt qpo gpvn' ghgeu 0' Ukeg" pq" o kki cvkqp" o gcwug" ctg" pgeguuct { "qt "tgs vkt gf 0"

"

"

## **APPENDICES**

---

### **Appendix A: Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations**

### **Appendix B: CalEEMod Files, Assumptions, and Calculations**

#### **B-1: CalEEMod Files and Assumptions – Building Enclosure**

Dwkrf kpi 'Gperquwtg'Eqputwevkqp"\*Cppwcnr"

Dwkrf kpi 'Gperquwtg'Eqputwevkqp"\*Uwo o gt+"

Dwkrf kpi 'Gperquwtg'Eqputwevkqp"\*Y kpgt+"

#### **B-2: CalEEMod Files and Assumptions – Baghouse**

Dci j qwug"Kpuvcnrvkqp"\*Cppwcnr"

Dci j qwug"Kpuvcnrvkqp"\*Uwo o gt+"

Dci j qwug"Kpuvcnrvkqp"\*Y kpgt+"

#### **B-3: Operational and Construction Emissions Assumptions and Calculations**

GO HCE"4239"Qp/Tqcf "Go kuukqp"Hcevqtu"cpf "Ecrewrvkqpu"

Xgj keng"O kgu"Vtcxgrgf "cpf "Hwgn"Wuci g"

I tggpj qwug"I cu"Go kuukqpu"

### **Appendix C: PAR 1407 List of Affected Facilities**

### **Appendix D: Comment Letter Received on the Draft EA and Response**



## APPENDIX A

### Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations

Kp"qtf gt"vq"ucxg"ur ceg"cpf "cxqkf "tgr gvklqp."r mgcug"tghet"vq"vj g"rvvuv"xgtukqp"qh"RCT"3629"  
mgcvgf "gnugy j gtg"lp"vj g"I qxgtplpi "Dqctf "Rcenxi g"to ggkpi "fcvg"Ugr vgo dgt"8."423; +0"  
Vj g"xgtukqp"qh"RCT"3629"vj cv'y cu'ekewrcvgf "y kj "vj g"F tch/GC"cpf "tgrgcugf "qp"Lwpg"4:."  
423; "hgt"e"54/f c{"r wdrie"tgxky "cpf "eqo o gpv'r gtlkf "gpf lpi "qp"Lwn"52."423; "y cu"  
lf gpvhlkf "cu"öRtqr qugf "Co gpf gf "Twrg"3629<Rtgrko kpct{"F tch/Twrg"Ncpi wci g"  
\*8B4I423; +0"Otki kpcn"j ctf "eqr lgu"qh"vj g"F tch/GC."y j kej "kpenwf g"vj g"f tch/xgtukqp"qh"  
vj g"r tqr qugf "co gpf gf "twrg"rkugf "cdqyg."ecp"dg"qdvckpgf "d{"xkuklpi "vj g"Rwdrie"  
Kphqto cvkqp"Egpvgt"cv"Uqwj "Eqcu"EC S O F "J gcf s wctvgtu"mgcvgf "cv"43: 87"Eqr rg{"  
F tkxg."F lco qpf "Det."EC"; 3987."d{"eqpvcevkpi "Hcdkcp"Y guuqp."Rwdrie"Cf xluqt"d{"r j qpg"  
cv\*; 2; +5; 8/425; "qt"d{"go cki'cv'RkE tgs wguuB cs o f d qx

## **APPENDIX B**

---

### **CalEEMod Files, Assumptions, and Calculations**

## **APPENDIX B-1**

---

### **CalEEMod Files and Assumptions – Building Enclosure Construction**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**1407 Enclosure Improvement 2 Walls**  
**South Coast AQMD Air District, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.00	1000sqft	0.09	4,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - assumption: 100x100 ft building, construct 2 walls = 40% = 4,000 sf

Construction Phase - assumptions: 5 days construction

Off-road Equipment - default hp, and LF. Equipment type and hr/day are from the previous EA for R1155 assumptions. Double the unit amount since two baghouses will be installed at the same time (worst case)

Off-road Equipment - assumptions: 4hrs per day, equipment based on PAR 1420 enclosure construction

Trips and VMT - assumptions 1 hauling trips, 3 workers/day

Demolition -

Grading -

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblOffRoadEquipment	HorsePower	46.00	97.00
tblOffRoadEquipment	LoadFactor	0.45	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	2.00	3.00

## 2.0 Emissions Summary

---

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.4625	4.5750	2.9387	6.2700e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	608.4946	608.4946	0.1312	0.0000	611.7751
Maximum	0.4625	4.5750	2.9387	6.2700e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	608.4946	608.4946	0.1312	0.0000	611.7751

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.4625	4.5750	2.9387	6.2700e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	608.4946	608.4946	0.1312	0.0000	611.7751
Maximum	0.4625	4.5750	2.9387	6.2700e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	608.4946	608.4946	0.1312	0.0000	611.7751

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
Mobile	0.0144	0.0815	0.2070	7.4000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		74.8301	74.8301	3.7800e-003		74.9245
<b>Total</b>	<b>0.1039</b>	<b>0.0824</b>	<b>0.2082</b>	<b>7.5000e-004</b>	<b>0.0612</b>	<b>8.3000e-004</b>	<b>0.0621</b>	<b>0.0164</b>	<b>7.8000e-004</b>	<b>0.0172</b>		<b>75.9527</b>	<b>75.9527</b>	<b>3.8000e-003</b>	<b>2.0000e-005</b>	<b>76.0538</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
Mobile	0.0144	0.0815	0.2070	7.4000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		74.8301	74.8301	3.7800e-003		74.9245
<b>Total</b>	<b>0.1039</b>	<b>0.0824</b>	<b>0.2082</b>	<b>7.5000e-004</b>	<b>0.0612</b>	<b>8.3000e-004</b>	<b>0.0621</b>	<b>0.0164</b>	<b>7.8000e-004</b>	<b>0.0172</b>		<b>75.9527</b>	<b>75.9527</b>	<b>3.8000e-003</b>	<b>2.0000e-005</b>	<b>76.0538</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Enclosure Construction	Building Construction	1/1/2020	1/7/2020	5	5	

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Enclosure Construction	Cranes	1	4.00	231	0.29
Enclosure Construction	Forklifts	1	4.00	89	0.20
Enclosure Construction	Welders	1	4.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Enclosure Construction	3	3.00	1.00	1.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT



## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**3.1 Mitigation Measures Construction****3.2 Enclosure Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4427	4.4051	2.7888	5.5500e-003		0.2278	0.2278		0.2151	0.2151		533.2744	533.2744	0.1273		536.4563
<b>Total</b>	<b>0.4427</b>	<b>4.4051</b>	<b>2.7888</b>	<b>5.5500e-003</b>		<b>0.2278</b>	<b>0.2278</b>		<b>0.2151</b>	<b>0.2151</b>		<b>533.2744</b>	<b>533.2744</b>	<b>0.1273</b>		<b>536.4563</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5600e-003	0.0551	0.0117	1.5000e-004	3.4900e-003	1.8000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003		16.4580	16.4580	1.1700e-003		16.4873
Vendor	3.4400e-003	0.1048	0.0279	2.5000e-004	6.4000e-003	5.3000e-004	6.9300e-003	1.8400e-003	5.0000e-004	2.3500e-003		26.6513	26.6513	1.8500e-003		26.6976
Worker	0.0148	9.9900e-003	0.1104	3.2000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		32.1110	32.1110	9.2000e-004		32.1340
<b>Total</b>	<b>0.0198</b>	<b>0.1700</b>	<b>0.1500</b>	<b>7.2000e-004</b>	<b>0.0434</b>	<b>9.6000e-004</b>	<b>0.0444</b>	<b>0.0117</b>	<b>9.0000e-004</b>	<b>0.0126</b>		<b>75.2202</b>	<b>75.2202</b>	<b>3.9400e-003</b>		<b>75.3188</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**3.2 Enclosure Construction - 2020****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4427	4.4051	2.7888	5.5500e-003		0.2278	0.2278		0.2151	0.2151	0.0000	533.2744	533.2744	0.1273		536.4563
<b>Total</b>	<b>0.4427</b>	<b>4.4051</b>	<b>2.7888</b>	<b>5.5500e-003</b>		<b>0.2278</b>	<b>0.2278</b>		<b>0.2151</b>	<b>0.2151</b>	<b>0.0000</b>	<b>533.2744</b>	<b>533.2744</b>	<b>0.1273</b>		<b>536.4563</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5600e-003	0.0551	0.0117	1.5000e-004	3.4900e-003	1.8000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003		16.4580	16.4580	1.1700e-003		16.4873
Vendor	3.4400e-003	0.1048	0.0279	2.5000e-004	6.4000e-003	5.3000e-004	6.9300e-003	1.8400e-003	5.0000e-004	2.3500e-003		26.6513	26.6513	1.8500e-003		26.6976
Worker	0.0148	9.9900e-003	0.1104	3.2000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		32.1110	32.1110	9.2000e-004		32.1340
<b>Total</b>	<b>0.0198</b>	<b>0.1700</b>	<b>0.1500</b>	<b>7.2000e-004</b>	<b>0.0434</b>	<b>9.6000e-004</b>	<b>0.0444</b>	<b>0.0117</b>	<b>9.0000e-004</b>	<b>0.0126</b>		<b>75.2202</b>	<b>75.2202</b>	<b>3.9400e-003</b>		<b>75.3188</b>

**4.0 Operational Detail - Mobile**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

## 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0144	0.0815	0.2070	7.4000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		74.8301	74.8301	3.7800e-003		74.9245
Unmitigated	0.0144	0.0815	0.2070	7.4000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		74.8301	74.8301	3.7800e-003		74.9245

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	6.72	6.72	6.72	28,800	28,800
Total	6.72	6.72	6.72	28,800	28,800

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
NaturalGas Unmitigated	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	9.53425	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
<b>Total</b>		<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>1.1217</b>	<b>1.1217</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.1283</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.00953425	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
<b>Total</b>		<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>1.1217</b>	<b>1.1217</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.1283</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
<b>Total</b>	<b>0.0894</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>9.3000e-004</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
<b>Total</b>	<b>0.0894</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>9.3000e-004</b>

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---



## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**1407 Enclosure Improvement 2 Walls**  
**South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.00	1000sqft	0.09	4,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - assumption: 100x100 ft building, construct 2 walls = 40% = 4,000 sf

Construction Phase - assumptions: 5 days construction

Off-road Equipment - default hp, and LF. Equipment type and hr/day are from the previous EA for R1155 assumptions. Double the unit amount since two baghouses will be installed at the same time (worst case)

Off-road Equipment - assumptions: 4hrs per day, equipment based on PAR 1420 enclosure construction

Trips and VMT - assumptions 1 hauling trips, 3 workers/day

Demolition -

Grading -

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblOffRoadEquipment	HorsePower	46.00	97.00
tblOffRoadEquipment	LoadFactor	0.45	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	2.00	3.00

## 2.0 Emissions Summary

---

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.4611	4.5736	2.9473	6.3100e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	611.8183	611.8183	0.1311	0.0000	615.0961
Maximum	0.4611	4.5736	2.9473	6.3100e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	611.8183	611.8183	0.1311	0.0000	615.0961

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.4611	4.5736	2.9473	6.3100e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	611.8183	611.8183	0.1311	0.0000	615.0961
Maximum	0.4611	4.5736	2.9473	6.3100e-003	0.0434	0.2288	0.2722	0.0117	0.2160	0.2277	0.0000	611.8183	611.8183	0.1311	0.0000	615.0961

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
Mobile	0.0151	0.0793	0.2230	7.8000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		79.0023	79.0023	3.8100e-003		79.0975
<b>Total</b>	<b>0.1046</b>	<b>0.0802</b>	<b>0.2242</b>	<b>7.9000e-004</b>	<b>0.0612</b>	<b>8.3000e-004</b>	<b>0.0621</b>	<b>0.0164</b>	<b>7.8000e-004</b>	<b>0.0172</b>		<b>80.1249</b>	<b>80.1249</b>	<b>3.8300e-003</b>	<b>2.0000e-005</b>	<b>80.2268</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
Mobile	0.0151	0.0793	0.2230	7.8000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		79.0023	79.0023	3.8100e-003		79.0975
<b>Total</b>	<b>0.1046</b>	<b>0.0802</b>	<b>0.2242</b>	<b>7.9000e-004</b>	<b>0.0612</b>	<b>8.3000e-004</b>	<b>0.0621</b>	<b>0.0164</b>	<b>7.8000e-004</b>	<b>0.0172</b>		<b>80.1249</b>	<b>80.1249</b>	<b>3.8300e-003</b>	<b>2.0000e-005</b>	<b>80.2268</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Enclosure Construction	Building Construction	1/1/2020	1/7/2020	5	5	

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Enclosure Construction	Cranes	1	4.00	231	0.29
Enclosure Construction	Forklifts	1	4.00	89	0.20
Enclosure Construction	Welders	1	4.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Enclosure Construction	3	3.00	1.00	1.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**3.1 Mitigation Measures Construction****3.2 Enclosure Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4427	4.4051	2.7888	5.5500e-003		0.2278	0.2278		0.2151	0.2151		533.2744	533.2744	0.1273		536.4563
<b>Total</b>	<b>0.4427</b>	<b>4.4051</b>	<b>2.7888</b>	<b>5.5500e-003</b>		<b>0.2278</b>	<b>0.2278</b>		<b>0.2151</b>	<b>0.2151</b>		<b>533.2744</b>	<b>533.2744</b>	<b>0.1273</b>		<b>536.4563</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5200e-003	0.0544	0.0108	1.6000e-004	3.4900e-003	1.8000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003		16.7666	16.7666	1.1300e-003		16.7947
Vendor	3.2800e-003	0.1049	0.0250	2.6000e-004	6.4000e-003	5.2000e-004	6.9200e-003	1.8400e-003	5.0000e-004	2.3400e-003		27.4449	27.4449	1.7200e-003		27.4879
Worker	0.0136	9.1200e-003	0.1227	3.4000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		34.3325	34.3325	9.9000e-004		34.3572
<b>Total</b>	<b>0.0184</b>	<b>0.1685</b>	<b>0.1585</b>	<b>7.6000e-004</b>	<b>0.0434</b>	<b>9.5000e-004</b>	<b>0.0444</b>	<b>0.0117</b>	<b>9.0000e-004</b>	<b>0.0126</b>		<b>78.5440</b>	<b>78.5440</b>	<b>3.8400e-003</b>		<b>78.6398</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**3.2 Enclosure Construction - 2020****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4427	4.4051	2.7888	5.5500e-003		0.2278	0.2278		0.2151	0.2151	0.0000	533.2744	533.2744	0.1273		536.4563
<b>Total</b>	<b>0.4427</b>	<b>4.4051</b>	<b>2.7888</b>	<b>5.5500e-003</b>		<b>0.2278</b>	<b>0.2278</b>		<b>0.2151</b>	<b>0.2151</b>	<b>0.0000</b>	<b>533.2744</b>	<b>533.2744</b>	<b>0.1273</b>		<b>536.4563</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5200e-003	0.0544	0.0108	1.6000e-004	3.4900e-003	1.8000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003		16.7666	16.7666	1.1300e-003		16.7947
Vendor	3.2800e-003	0.1049	0.0250	2.6000e-004	6.4000e-003	5.2000e-004	6.9200e-003	1.8400e-003	5.0000e-004	2.3400e-003		27.4449	27.4449	1.7200e-003		27.4879
Worker	0.0136	9.1200e-003	0.1227	3.4000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		34.3325	34.3325	9.9000e-004		34.3572
<b>Total</b>	<b>0.0184</b>	<b>0.1685</b>	<b>0.1585</b>	<b>7.6000e-004</b>	<b>0.0434</b>	<b>9.5000e-004</b>	<b>0.0444</b>	<b>0.0117</b>	<b>9.0000e-004</b>	<b>0.0126</b>		<b>78.5440</b>	<b>78.5440</b>	<b>3.8400e-003</b>		<b>78.6398</b>

**4.0 Operational Detail - Mobile**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

## 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0151	0.0793	0.2230	7.8000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		79.0023	79.0023	3.8100e-003		79.0975
Unmitigated	0.0151	0.0793	0.2230	7.8000e-004	0.0612	7.6000e-004	0.0620	0.0164	7.1000e-004	0.0171		79.0023	79.0023	3.8100e-003		79.0975

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	6.72	6.72	6.72	28,800	28,800
Total	6.72	6.72	6.72	28,800	28,800

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956



## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
NaturalGas Unmitigated	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	9.53425	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
<b>Total</b>		<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>1.1217</b>	<b>1.1217</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.1283</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.00953425	1.0000e-004	9.3000e-004	7.9000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.1217	1.1217	2.0000e-005	2.0000e-005	1.1283
<b>Total</b>		<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>1.1217</b>	<b>1.1217</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.1283</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	0.0894	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
<b>Total</b>	<b>0.0894</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>9.3000e-004</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0102					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
<b>Total</b>	<b>0.0894</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>9.3000e-004</b>

**7.0 Water Detail****7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**1407 Enclosure Improvement 2 Walls**  
**South Coast AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.00	1000sqft	0.09	4,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - assumption: 100x100 ft building, construct 2 walls = 40% = 4,000 sf

Construction Phase - assumptions: 5 days construction

Off-road Equipment - default hp, and LF. Equipment type and hr/day are from the previous EA for R1155 assumptions. Double the unit amount since two baghouses will be installed at the same time (worst case)

Off-road Equipment - assumptions: 4hrs per day, equipment based on PAR 1420 enclosure construction

Trips and VMT - assumptions 1 hauling trips, 3 workers/day

Demolition -

Grading -

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	5.00
tblOffRoadEquipment	HorsePower	46.00	97.00
tblOffRoadEquipment	LoadFactor	0.45	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	2.00	3.00

## 2.0 Emissions Summary

---

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.1500e-003	0.0115	7.3500e-003	2.0000e-005	1.1000e-004	5.7000e-004	6.8000e-004	3.0000e-005	5.4000e-004	5.7000e-004	0.0000	1.3827	1.3827	3.0000e-004	0.0000	1.3902
Maximum	1.1500e-003	0.0115	7.3500e-003	2.0000e-005	1.1000e-004	5.7000e-004	6.8000e-004	3.0000e-005	5.4000e-004	5.7000e-004	0.0000	1.3827	1.3827	3.0000e-004	0.0000	1.3902

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.1500e-003	0.0115	7.3500e-003	2.0000e-005	1.1000e-004	5.7000e-004	6.8000e-004	3.0000e-005	5.4000e-004	5.7000e-004	0.0000	1.3827	1.3827	3.0000e-004	0.0000	1.3902
Maximum	1.1500e-003	0.0115	7.3500e-003	2.0000e-005	1.1000e-004	5.7000e-004	6.8000e-004	3.0000e-005	5.4000e-004	5.7000e-004	0.0000	1.3827	1.3827	3.0000e-004	0.0000	1.3902

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.0126	0.0126
		Highest	0.0126	0.0126

## 2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0163	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Energy	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1562	5.1562	2.1000e-004	5.0000e-005	5.1751
Mobile	2.5800e-003	0.0151	0.0384	1.4000e-004	0.0109	1.4000e-004	0.0111	2.9300e-003	1.3000e-004	3.0600e-003	0.0000	12.5292	12.5292	6.2000e-004	0.0000	12.5448
Waste						0.0000	0.0000		0.0000	0.0000	0.7633	0.0000	0.7633	0.0451	0.0000	1.8909
Water						0.0000	0.0000		0.0000	0.0000	0.2935	3.8376	4.1311	0.0303	7.4000e-004	5.1104
<b>Total</b>	<b>0.0189</b>	<b>0.0153</b>	<b>0.0386</b>	<b>1.4000e-004</b>	<b>0.0109</b>	<b>1.5000e-004</b>	<b>0.0111</b>	<b>2.9300e-003</b>	<b>1.4000e-004</b>	<b>3.0700e-003</b>	<b>1.0567</b>	<b>21.5232</b>	<b>22.5799</b>	<b>0.0762</b>	<b>7.9000e-004</b>	<b>24.7213</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0163	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Energy	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1562	5.1562	2.1000e-004	5.0000e-005	5.1751
Mobile	2.5800e-003	0.0151	0.0384	1.4000e-004	0.0109	1.4000e-004	0.0111	2.9300e-003	1.3000e-004	3.0600e-003	0.0000	12.5292	12.5292	6.2000e-004	0.0000	12.5448
Waste						0.0000	0.0000		0.0000	0.0000	0.7633	0.0000	0.7633	0.0451	0.0000	1.8909
Water						0.0000	0.0000		0.0000	0.0000	0.2935	3.8376	4.1311	0.0303	7.4000e-004	5.1104
<b>Total</b>	<b>0.0189</b>	<b>0.0153</b>	<b>0.0386</b>	<b>1.4000e-004</b>	<b>0.0109</b>	<b>1.5000e-004</b>	<b>0.0111</b>	<b>2.9300e-003</b>	<b>1.4000e-004</b>	<b>3.0700e-003</b>	<b>1.0567</b>	<b>21.5232</b>	<b>22.5799</b>	<b>0.0762</b>	<b>7.9000e-004</b>	<b>24.7213</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Enclosure Construction	Building Construction	1/1/2020	1/7/2020	5	5	

**Acres of Grading (Site Preparation Phase): 0**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Enclosure Construction	Cranes	1	4.00	231	0.29
Enclosure Construction	Forklifts	1	4.00	89	0.20
Enclosure Construction	Welders	1	4.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Enclosure Construction	3	3.00	1.00	1.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**3.2 Enclosure Construction - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1100e-003	0.0110	6.9700e-003	1.0000e-005		5.7000e-004	5.7000e-004		5.4000e-004	5.4000e-004	0.0000	1.2095	1.2095	2.9000e-004	0.0000	1.2167
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>6.9700e-003</b>	<b>1.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.2095</b>	<b>1.2095</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.2167</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0377	0.0377	0.0000	0.0000	0.0378
Vendor	1.0000e-005	2.7000e-004	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0615	0.0615	0.0000	0.0000	0.0616
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0741	0.0741	0.0000	0.0000	0.0741
<b>Total</b>	<b>4.0000e-005</b>	<b>4.4000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1735</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**3.2 Enclosure Construction - 2020****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1100e-003	0.0110	6.9700e-003	1.0000e-005		5.7000e-004	5.7000e-004		5.4000e-004	5.4000e-004	0.0000	1.2094	1.2094	2.9000e-004	0.0000	1.2167
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0110</b>	<b>6.9700e-003</b>	<b>1.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.2094</b>	<b>1.2094</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.2167</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0377	0.0377	0.0000	0.0000	0.0378
Vendor	1.0000e-005	2.7000e-004	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0615	0.0615	0.0000	0.0000	0.0616
Worker	3.0000e-005	3.0000e-005	2.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0741	0.0741	0.0000	0.0000	0.0741
<b>Total</b>	<b>4.0000e-005</b>	<b>4.4000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1735</b>

**4.0 Operational Detail - Mobile**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

## 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5800e-003	0.0151	0.0384	1.4000e-004	0.0109	1.4000e-004	0.0111	2.9300e-003	1.3000e-004	3.0600e-003	0.0000	12.5292	12.5292	6.2000e-004	0.0000	12.5448
Unmitigated	2.5800e-003	0.0151	0.0384	1.4000e-004	0.0109	1.4000e-004	0.0111	2.9300e-003	1.3000e-004	3.0600e-003	0.0000	12.5292	12.5292	6.2000e-004	0.0000	12.5448

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	6.72	6.72	6.72	28,800	28,800
Total	6.72	6.72	6.72	28,800	28,800

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.547828	0.043645	0.199892	0.122290	0.016774	0.005862	0.020637	0.032653	0.002037	0.001944	0.004777	0.000705	0.000956

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.9705	4.9705	2.1000e-004	4.0000e-005	4.9883
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.9705	4.9705	2.1000e-004	4.0000e-005	4.9883
NaturalGas Mitigated	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1857	0.1857	0.0000	0.0000	0.1868
NaturalGas Unmitigated	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1857	0.1857	0.0000	0.0000	0.1868

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	3480	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1857	0.1857	0.0000	0.0000	0.1868
<b>Total</b>		<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1857</b>	<b>0.1857</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1868</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	3480	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1857	0.1857	0.0000	0.0000	0.1868
<b>Total</b>		<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1857</b>	<b>0.1857</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1868</b>



## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	15600	4.9705	2.1000e-004	4.0000e-005	4.9883
<b>Total</b>		<b>4.9705</b>	<b>2.1000e-004</b>	<b>4.0000e-005</b>	<b>4.9883</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	15600	4.9705	2.1000e-004	4.0000e-005	4.9883
<b>Total</b>		<b>4.9705</b>	<b>2.1000e-004</b>	<b>4.0000e-005</b>	<b>4.9883</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0163	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
Unmitigated	0.0163	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
<b>Total</b>	<b>0.0163</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-004</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.1000e-004
<b>Total</b>	<b>0.0163</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-004</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.1311	0.0303	7.4000e-004	5.1104
Unmitigated	4.1311	0.0303	7.4000e-004	5.1104

## 7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.925 / 0	4.1311	0.0303	7.4000e-004	5.1104
<b>Total</b>		<b>4.1311</b>	<b>0.0303</b>	<b>7.4000e-004</b>	<b>5.1104</b>

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.925 / 0	4.1311	0.0303	7.4000e-004	5.1104
<b>Total</b>		<b>4.1311</b>	<b>0.0303</b>	<b>7.4000e-004</b>	<b>5.1104</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.7633	0.0451	0.0000	1.8909
Unmitigated	0.7633	0.0451	0.0000	1.8909

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	3.76	0.7633	0.0451	0.0000	1.8909
<b>Total</b>		<b>0.7633</b>	<b>0.0451</b>	<b>0.0000</b>	<b>1.8909</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	3.76	0.7633	0.0451	0.0000	1.8909
<b>Total</b>		<b>0.7633</b>	<b>0.0451</b>	<b>0.0000</b>	<b>1.8909</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

## 1407 Enclosure Improvement 2 Walls - South Coast AQMD Air District, Annual

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## **APPENDIX B-2**

---

### **CalEEMod Files and Assumptions – Baghouse Construction**



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**PAR1407\_baghouse\_construction\_06.13.2019****South Coast AQMD Air District, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - 1 project

Construction Phase - 5 Days to install

Off-road Equipment - worst-case construction day: 1 APCDs installation per facility (each has 1 air compressor, 1 welder, 1 forklift, 1 aerial lift)

Trips and VMT - each APCD installation needs 5 worker vehicles and 1 vendor vehicle

Vehicle Emission Factors -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	WorkerTripNumber	0.00	5.00

## 2.0 Emissions Summary

---

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.5009	3.1724	3.5071	5.5800e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	523.4810	523.4810	0.0855	0.0000	525.6183
Maximum	0.5009	3.1724	3.5071	5.5800e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	523.4810	523.4810	0.0855	0.0000	525.6183

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.5009	3.1724	3.5071	5.5800e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	523.4810	523.4810	0.0855	0.0000	525.6183
Maximum	0.5009	3.1724	3.5071	5.5800e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	523.4810	523.4810	0.0855	0.0000	525.6183

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/13/2019	6/19/2019	5	5	APCD installation

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	1	4.00	78	0.48
Building Construction	Forklifts	1	4.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	5.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	MHDT	HHDT

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**3.1 Mitigation Measures Construction****3.2 Building Construction - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4706	3.0903	3.2746	4.8600e-003		0.1994	0.1994		0.1943	0.1943		450.1479	450.1479	0.0834		452.2335
<b>Total</b>	<b>0.4706</b>	<b>3.0903</b>	<b>3.2746</b>	<b>4.8600e-003</b>		<b>0.1994</b>	<b>0.1994</b>		<b>0.1943</b>	<b>0.1943</b>		<b>450.1479</b>	<b>450.1479</b>	<b>0.0834</b>		<b>452.2335</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**3.2 Building Construction - 2019****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.7200e-003	0.0635	0.0298	1.7000e-004	6.7600e-003	1.1100e-003	7.8600e-003	2.0300e-003	1.0600e-003	3.0900e-003		18.1003	18.1003	3.4000e-004		18.1089
Worker	0.0267	0.0187	0.2027	5.5000e-004	0.0559	4.3000e-004	0.0563	0.0148	4.0000e-004	0.0152		55.2328	55.2328	1.7300e-003		55.2759
<b>Total</b>	<b>0.0304</b>	<b>0.0821</b>	<b>0.2325</b>	<b>7.2000e-004</b>	<b>0.0627</b>	<b>1.5400e-003</b>	<b>0.0642</b>	<b>0.0169</b>	<b>1.4600e-003</b>	<b>0.0183</b>		<b>73.3331</b>	<b>73.3331</b>	<b>2.0700e-003</b>		<b>73.3848</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4706	3.0903	3.2746	4.8600e-003		0.1994	0.1994		0.1943	0.1943	0.0000	450.1479	450.1479	0.0834		452.2335
<b>Total</b>	<b>0.4706</b>	<b>3.0903</b>	<b>3.2746</b>	<b>4.8600e-003</b>		<b>0.1994</b>	<b>0.1994</b>		<b>0.1943</b>	<b>0.1943</b>	<b>0.0000</b>	<b>450.1479</b>	<b>450.1479</b>	<b>0.0834</b>		<b>452.2335</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**3.2 Building Construction - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.7200e-003	0.0635	0.0298	1.7000e-004	6.7600e-003	1.1100e-003	7.8600e-003	2.0300e-003	1.0600e-003	3.0900e-003		18.1003	18.1003	3.4000e-004		18.1089
Worker	0.0267	0.0187	0.2027	5.5000e-004	0.0559	4.3000e-004	0.0563	0.0148	4.0000e-004	0.0152		55.2328	55.2328	1.7300e-003		55.2759
<b>Total</b>	<b>0.0304</b>	<b>0.0821</b>	<b>0.2325</b>	<b>7.2000e-004</b>	<b>0.0627</b>	<b>1.5400e-003</b>	<b>0.0642</b>	<b>0.0169</b>	<b>1.4600e-003</b>	<b>0.0183</b>		<b>73.3331</b>	<b>73.3331</b>	<b>2.0700e-003</b>		<b>73.3848</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

## 5.0 Energy Detail

Historical Energy Use: N  
PAR 1407

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**7.0 Water Detail**

PAR 1407

B-2-12

June 2019

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Winter

---

## 7.1 Mitigation Measures Water

---

## 8.0 Waste Detail

---

### 8.1 Mitigation Measures Waste

---

## 9.0 Operational Offroad

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

---

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

---

## 11.0 Vegetation

---

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**PAR1407\_baghouse\_construction\_06.13.2019****South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - 1 project

Construction Phase - 5 Days to install

Off-road Equipment - worst-case construction day: 1 APCDs installation per facility (each has 1 air compressor, 1 welder, 1 forklift, 1 aerial lift)

Trips and VMT - each APCD installation needs 5 worker vehicles and 1 vendor vehicle

Vehicle Emission Factors -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	WorkerTripNumber	0.00	5.00

## 2.0 Emissions Summary

---

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.4987	3.1693	3.5276	5.6200e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	527.3416	527.3416	0.0856	0.0000	529.4817
Maximum	0.4987	3.1693	3.5276	5.6200e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	527.3416	527.3416	0.0856	0.0000	529.4817

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.4987	3.1693	3.5276	5.6200e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	527.3416	527.3416	0.0856	0.0000	529.4817
Maximum	0.4987	3.1693	3.5276	5.6200e-003	0.0627	0.2009	0.2635	0.0169	0.1957	0.2126	0.0000	527.3416	527.3416	0.0856	0.0000	529.4817

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3000e-004</b>

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/13/2019	6/19/2019	5	5	APCD installation

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	1	4.00	78	0.48
Building Construction	Forklifts	1	4.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	5.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	MHDT	HHDT

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**3.1 Mitigation Measures Construction****3.2 Building Construction - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4706	3.0903	3.2746	4.8600e-003		0.1994	0.1994		0.1943	0.1943		450.1479	450.1479	0.0834		452.2335
<b>Total</b>	<b>0.4706</b>	<b>3.0903</b>	<b>3.2746</b>	<b>4.8600e-003</b>		<b>0.1994</b>	<b>0.1994</b>		<b>0.1943</b>	<b>0.1943</b>		<b>450.1479</b>	<b>450.1479</b>	<b>0.0834</b>		<b>452.2335</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**3.2 Building Construction - 2019****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.6200e-003	0.0620	0.0283	1.7000e-004	6.7600e-003	1.1000e-003	7.8600e-003	2.0300e-003	1.0500e-003	3.0800e-003		18.1443	18.1443	3.3000e-004		18.1526
Worker	0.0245	0.0170	0.2247	5.9000e-004	0.0559	4.3000e-004	0.0563	0.0148	4.0000e-004	0.0152		59.0495	59.0495	1.8500e-003		59.0956
<b>Total</b>	<b>0.0281</b>	<b>0.0790</b>	<b>0.2530</b>	<b>7.6000e-004</b>	<b>0.0627</b>	<b>1.5300e-003</b>	<b>0.0642</b>	<b>0.0169</b>	<b>1.4500e-003</b>	<b>0.0183</b>		<b>77.1937</b>	<b>77.1937</b>	<b>2.1800e-003</b>		<b>77.2482</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4706	3.0903	3.2746	4.8600e-003		0.1994	0.1994		0.1943	0.1943	0.0000	450.1479	450.1479	0.0834		452.2335
<b>Total</b>	<b>0.4706</b>	<b>3.0903</b>	<b>3.2746</b>	<b>4.8600e-003</b>		<b>0.1994</b>	<b>0.1994</b>		<b>0.1943</b>	<b>0.1943</b>	<b>0.0000</b>	<b>450.1479</b>	<b>450.1479</b>	<b>0.0834</b>		<b>452.2335</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**3.2 Building Construction - 2019****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.6200e-003	0.0620	0.0283	1.7000e-004	6.7600e-003	1.1000e-003	7.8600e-003	2.0300e-003	1.0500e-003	3.0800e-003		18.1443	18.1443	3.3000e-004		18.1526
Worker	0.0245	0.0170	0.2247	5.9000e-004	0.0559	4.3000e-004	0.0563	0.0148	4.0000e-004	0.0152		59.0495	59.0495	1.8500e-003		59.0956
<b>Total</b>	<b>0.0281</b>	<b>0.0790</b>	<b>0.2530</b>	<b>7.6000e-004</b>	<b>0.0627</b>	<b>1.5300e-003</b>	<b>0.0642</b>	<b>0.0169</b>	<b>1.4500e-003</b>	<b>0.0183</b>		<b>77.1937</b>	<b>77.1937</b>	<b>2.1800e-003</b>		<b>77.2482</b>

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

## 5.0 Energy Detail

Historical Energy Use: N  
PAR 1407

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**7.0 Water Detail**

PAR 1407

B-2-25

June 2019

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Summer

---

## 7.1 Mitigation Measures Water

---

## 8.0 Waste Detail

---

### 8.1 Mitigation Measures Waste

---

## 9.0 Operational Offroad

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

---

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

---

## 11.0 Vegetation

---

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**PAR1407\_baghouse\_construction\_06.13.2019**  
**South Coast AQMD Air District, Annual**

## 1.0 Project Characteristics

---

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 1 project

Construction Phase - 5 Days to install

Off-road Equipment - worst-case construction day: 1 APCDs installation per facility (each has 1 air compressor, 1 welder, 1 forklift, 1 aerial lift)

Trips and VMT - each APCD installation needs 5 worker vehicles and 1 vendor vehicle

Vehicle Emission Factors -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	WorkerTripNumber	0.00	5.00

## 2.0 Emissions Summary

---

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	1.2500e-003	7.9300e-003	8.7800e-003	1.0000e-005	1.5000e-004	5.0000e-004	6.6000e-004	4.0000e-005	4.9000e-004	5.3000e-004	0.0000	1.1894	1.1894	1.9000e-004	0.0000	1.1943
Maximum	1.2500e-003	7.9300e-003	8.7800e-003	1.0000e-005	1.5000e-004	5.0000e-004	6.6000e-004	4.0000e-005	4.9000e-004	5.3000e-004	0.0000	1.1894	1.1894	1.9000e-004	0.0000	1.1943

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	1.2500e-003	7.9300e-003	8.7800e-003	1.0000e-005	1.5000e-004	5.0000e-004	6.6000e-004	4.0000e-005	4.9000e-004	5.3000e-004	0.0000	1.1894	1.1894	1.9000e-004	0.0000	1.1943
Maximum	1.2500e-003	7.9300e-003	8.7800e-003	1.0000e-005	1.5000e-004	5.0000e-004	6.6000e-004	4.0000e-005	4.9000e-004	5.3000e-004	0.0000	1.1894	1.1894	1.9000e-004	0.0000	1.1943

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-13-2019	9-12-2019	0.0092	0.0092
		Highest	0.0092	0.0092

**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/13/2019	6/19/2019	5	5	APCD installation

**Acres of Grading (Site Preparation Phase): 0**

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	1	4.00	78	0.48
Building Construction	Forklifts	1	4.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	5.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	MHDT	HHDT

**3.1 Mitigation Measures Construction**



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**3.2 Building Construction - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1800e-003	7.7300e-003	8.1900e-003	1.0000e-005		5.0000e-004	5.0000e-004		4.9000e-004	4.9000e-004	0.0000	1.0209	1.0209	1.9000e-004	0.0000	1.0257
<b>Total</b>	<b>1.1800e-003</b>	<b>7.7300e-003</b>	<b>8.1900e-003</b>	<b>1.0000e-005</b>		<b>5.0000e-004</b>	<b>5.0000e-004</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.0209</b>	<b>1.0209</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0257</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0411	0.0411	0.0000	0.0000	0.0411
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1274	0.1274	0.0000	0.0000	0.1275
<b>Total</b>	<b>7.0000e-005</b>	<b>2.1000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1685</b>	<b>0.1685</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1686</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**3.2 Building Construction - 2019****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1800e-003	7.7300e-003	8.1900e-003	1.0000e-005		5.0000e-004	5.0000e-004		4.9000e-004	4.9000e-004	0.0000	1.0209	1.0209	1.9000e-004	0.0000	1.0257
<b>Total</b>	<b>1.1800e-003</b>	<b>7.7300e-003</b>	<b>8.1900e-003</b>	<b>1.0000e-005</b>		<b>5.0000e-004</b>	<b>5.0000e-004</b>		<b>4.9000e-004</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.0209</b>	<b>1.0209</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0257</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	1.6000e-004	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0411	0.0411	0.0000	0.0000	0.0411
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1274	0.1274	0.0000	0.0000	0.1275
<b>Total</b>	<b>7.0000e-005</b>	<b>2.1000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1685</b>	<b>0.1685</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1686</b>

**4.0 Operational Detail - Mobile**

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

## PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

## 6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

**7.0 Water Detail****7.1 Mitigation Measures Water**



PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

PAR1407\_baghouse\_construction\_06.13.2019 - South Coast AQMD Air District, Annual

## 10.0 Stationary Equipment

---

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

### User Defined Equipment

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## **APPENDIX B-3**

---

### **Operational and Construction Emissions Assumptions and Calculations**

**Mobile Source Emissions for Operation and Construction (As Published in the Draft EA)**

Activity	Description	Trip Distance (miles)	CO2 Emissions (lb/mile)	Number Trips/yr	CO2 Emissions (lb/yr)	CO2 Emissions (MT/yr)
Uo qng'Vguv'Vtkr u'/'Rcuugpi gt'Cwq	3; 'Uo qng'Vguv'Gxgt { '8'O qpj u	62	20;	5: 02	3.4220 2	2077
Uqwteg'Vguv'Vtkr u'/'Rcuugpi gt'Cwq	43'Uqwteg'Vguv'Gxgt { '7'l gctu	62	20;	6042	35404	2028
Uqwteg'Vguv'Vtkr u'/'O gf kwo 'F w{ " Vtwn	43'Uqwteg'Vguv'Gxgt { '7'l gctu	62	30 5	6042	546046	2087
Gs wkr o gpv'F grxgt { '/'O gf kwo 'F w{ " Xgpf qt"Vtwnu	3; 'Gperquwtg'K r tqxgo gpv.": " ugvu'qh'Go kuukp'Eqpvtqn'F gxleg" O qpkqtkpi "Gs wkr o gpv." Co o qtk gf "qxtg"52'l gctu	37	30 5	20 2	48028	2023
Gs wkr o gpv'Kpuvcmvqp'/'Rcuugpi gt" Cwq	4'Y qtingtu'gcej 'hqt"3; 'Gperquwtg' K r tqxgo gpv.": 'Uguv'qh'Go kuukp' Eqpvtqn'F gxleg'O qpkqtkpi " Gs wkr o gpv."Co o qtk gf "qxtg"52" { gctu	52	20;	30 2	64088	2024
Dci j qwug'Y cug'J cwlpj '/'J gcx{ " F w{ "Vtwn Vqcn	6'Hekkkgu."6'Vtkr u'Gcej 'r gt'l gct	62	504	3402	3.8; 3086	209
					5.639083	3077

EQ4"go kuukp'rcvqtu'qdvclpgf 'Hqo 'GO HCE'4239

**Baghouse Emissions**

Activity	Description	# Baghouses	Fabric Area (sf)	Annual Energy Use (kWhr)	CO2 Intensity (lb/kWhr)	CO2 Emissions (lb/yr)	CO2 Emissions (MT/yr)
Dci j qwug'Qr gtcvqp'Grgextlek{	46'J qwt lF c{. '587'F c{ul} gct	32	6222	4342	2024	36: : 046	208:

P qvg'EQ4'kpvgpuks{ 'qh'grgextlek{ 'qdvclpgf 'Hqo 'EcrGGO qf

Dci j qwug'Rqy gt'Gs wcvqp. 'R'ny j l{t. "eqpvlpwqu'qr gtcvqp+?"20275, Ctgc. 'WUC'GRC.'3; ;: 0Rctvkwrcvg'O cwtg'Eqpvtqn. 'Dci j qwug'cpf 'Hngtu0Cxcvrdng'cv" j wr u-dly y y 50qr c0 qx lvp lccv lf k3 ku8ej 30 fh

**Construction Emissions**

Activity	Description	CO2/Event (MT)	# Events	CO2 Emissions (MT)	CO2 Emissions (MT/yr)
Gperquwtg'Eqputwcvqp	6'Gperquwtgu"4'Y cmu+vq'dg" Eqputwcvf	30; 24	6	7082:	208: 758
Dci j qwug'Kpuvcmvqp	32'Dci j qwug'u'q'dg'Kpuvcmf	30; 65	32	330 65	208; : 3

Eqputwcvqp"go kuukpu'qdvclpgf 'Hqo 'EcrGGO qf. "co o qtk gf "qxtg"52"l gctu

## On-Road Vehicles, VMT + Fuel Usage (As Published in the Draft EA)

Phase	Activity	Description	Trip Distance (miles)	Number Trips/yr	VMT	Fuel Type	MPG	Gallons Fuel	Peak Day Trips
qr gcvkqp	Uo qng'Vguv'Vtkr u'/'Rcuugpi gt'Cwq	3; 'Uo qng'Vguv'Gxgt { '8" O qpvj u	62	5: 0	3.7420	I cu	43	94	4
	Uqwteg'Vguv'Vtkr u'/'Rcuugpi gt'Cwq	43'Uqwteg'Vguv'Gxgt { '7' l gctu' *43'f wtkpi " { gct'3+	62	430	: 620	I cu	43	62	4
	Uqwteg'Vguv'Vtkr u'/'O gf kwo 'F w{ 'Vtwem	43'Uqwteg'Vguv'Gxgt { '7' l gctu' *43'f wtkpi " { gct'3+	62	430	: 620	F kgugn	32	: 6	4
	Dci j qwug'Y cug'J cwtkpi " / 'J gcx { 'F w{ " Vtwem	6'Hcklkgu.'6'Vtkr u'Gcej 'f gt' [ gct	62	340	6: 20	F kgugn	9	95	3
eqpntwvklp	Gs wlr o gpv'F grkxgt { " / 'O gf kwo 'F w{ " Xgpf qt'Vtwem	3; 'Gperquwtg'K r tqxgo gpv. " : " ugw'qhi'Go kuukqp'Eqpvtqnl' F gxleg'O qpkxqtkpi 'Gs wlr o gpv. Co o qtwk gf 'qxgt'52' l gctu	37	490	6270	F kgugn	32	63	:
	Gs wlr o gpv'Kpucm'vklp'/'Rcuugpi gt'Cwq	4'Y qtngtu'gcej 'Hqt'3; " Gperquwtg'K r tqxgo gpv. " : " Ugw'qhi'Go kuukqp'Eqpvtqnl' F gxleg'O qpkxqtkpi 'Gs wlr o gpv. Co o qtwk gf 'qxgt'52' l gctu	52	760	3.8420	I cu	43	99	38
	Gperquwtg'Eqpntwvklp'/'Y qtngt'Vtkr u	5'y qtngt'vtkr u.'7'f c { u.'6'ukgu	52	820	3.: 220	I cu	43	: 8	34
	Gperquwtg'Eqpntwvklp'/'F grkxgt { "Vtkr u	3'Xgpf qt'vtem'7'f c { u.'6'ukgu	37	420	5220	F kgugn	32	52	6
	Dci j qwug'Kpucm'vklp'/'Y qtngt'Vtkr u	7'y qtngt'vtkr u.'7'f c { u.'32'ukgu	52	4720	9.7220	I cu	43	579	42
	Dci j qwug'Kpucm'vklp'/'F grkxgt { "Vtkr u	3'Xgpf qt'vtem'7'f c { u.'32' ukgu	37	720	9720	F kgugn	32	97	6
	Vqcr'XO V				16,055				71

Hwgn'Wuci g'? "XO V"TO RI

## Offroad Equipment Fuel Usage

Activity	Equipment	Number of Equipment	Usage Hours/day	Horse power	Load Factor	Fuel Rate (Gal/hr)	Fuel Use (Gal)	Peak Day Trips
Dci j qwug'Kpucm'vklp'*32+	Cgtlcn'Nkhu	3	6	85	2053	304	306	60
Dci j qwug'Kpucm'vklp'*32+	Ck'Ego r tguuqtu	3	6	9:	206:	302	402	/
Dci j qwug'Kpucm'vklp'*32+	Hqtmkhu	3	6	:	204	20	209	60
Dci j qwug'Kpucm'vklp'*32+	Y grf gtu	3	6	68	2067	304	408	/
Gperquwtg'Eqpntwvklp'*6+	Etcpgu	3	6	453	204;	505	50	60
Gperquwtg'Eqpntwvklp'*6+	Hqtmkhu	3	6	:	204	20	209	60
Gperquwtg'Eqpntwvklp'*6+	Y grf gtu	3	6	: 9	2059	304	30	/
Vqcr'F kgugn'Hwgn'Wuci g'htqo "Qhtqcf" Gs wlr o gpv							3408	

Hwgn'Wuci g'? "J qwtulf c { ", 'F c { u', 'Nqcf 'Hcxqt', 'Hwgn'Tcvg

2019 Fleet Mix EMFAC 2017 Emission Factors (lbs/mile)

Vehicle Type	-	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4
J gcx{ 'F ww{ 'J cwnpi	/	2022668	2034226	2024649	2022255	20225: :	2022466	50745422	2022248
Nli j vF ww{ 'Cwwq	/	2022662	20268: 4	2024649	202223;	20225: :	2022466	30 49; : 8	2022264
O gf kwo 'F ww{ 'F grkxgt {	/	20225; 4	20224; ;	202585:	202222:	2022326	2022266	20: ; 5: 5	2022263

Mobile Emissions (lbs/trip)

Trip Type	Miles	VOC	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	CO2e
Qpg'J gcx{ 'F ww{ 'J cwnpi 'Vtkr	62	203:	206: 2	202; 9	2023	2038	2032	3620 4:	2023	3620 76
Qpg'Nli j vF ww{ 'Cwwq 'Y qtngt 'Vtkr / 'KoucmiGs wkr o gpv'	52	2035	2062	2095	2023	2034	2029	790 62	2023	790 93
Qpg'Nli j vF ww{ 'Cwwq 'Y qtngt 'Vtkr / 'Uqwteg 'Vguv'	62	203:	208: 9	202; 9	2023	2038	2032	9903;	2024	99083
Qpg'O gf kwo 'F ww{ 'Uqwteg 'Vgunkpi 'Vtkr	62	2038	2034	2068	2022	2026	2024	530797	2024	530839
Qpg'O gf kwo 'F ww{ 'Xgpf qt 'F grkxgt { 'Vtkr	37	2028	2026	2077	2022	2024	2023	330 63	2023	330 78
Qpg'Nli j vF ww{ 'Cwwq 'Y qtngt 'Vtkr / 'Uo qng 'Vguv	62	203:	208: 9	202; 9	2023	2038	2032	9903;	2024	99083

**Calculations**

O qdkrg 'Go kuukpu'? 'Go kuukp 'Hcewt', 'O krgu

EQ4g'? 'EQ4'- '47, EJ 6



## Final Mobile Source Emissions for Operation and Construction

Activity	Description	Trip Distance (miles)	CO2 Emissions (lb/mile)	Number Trips/yr	CO2 Emissions (lb/yr)	CO2 Emissions (MT/yr)
Uo qng"Vguv"Vtkr u/"Rcuugpi gt"Cwq	4: "Uo qng"Vguv"Gxgt { "8"O qpj u	62	20;	7802	3.98; 082	20 2
Uqwteg"Vguv"Vtkr u/"Rcuugpi gt"Cwq	5; "Uqwteg"Vguv"Gxgt { "7"l gctu	62	20;	90 2	46806;	203
Uqwteg"Vguv"Vtkr u/"O gf kwo "F wwl" Vtwem	5; "Uqwteg"Vguv"Gxgt { "7"l gctu	62	30 5	90 2	824088	2049
Gs wkr o gpv"F grkxgt { "/"O gf kwo "F wwl" Xgpf qt"Vtwem	38"Gperquwtg"K r tqxgo gpw."35" ugw"qh"Go kukqp"Eqpvtqn"Fxleg" O qpksqtkpi "Gs wkr o gpv." Co o qt w gf "qxgt"52"l gctu	37	30 5	20 9	490 ;	2023
Gs wkr o gpv"Kpucm:vkp"/"Rcuugpi gt" Cwq	4"Y qtmgtu"gej "hqt"38"Gperquwtg" K r tqxgo gpw."35"Ugw"qh" Go kukqp"Eqpvtqn"Fxleg" O qpksqtkpi "Gs wkr o gpv." Co o qt w gf "qxgt"52"l gctu	52	20;	30 5	670 4	2024
Dci j qwug"Y cuxg"J cwklpi "/"J gcx { " F wwl" Vtwem	6"Hckkkgu."6"Vtkr u"Gcej "r gt"l gct	62	5074	3402	3.8; 306	209
Vqxn					6.5; 508;	30 ;

EQ4"go kukqp"hevtu"qdvkpgf"ltqo "GO HCE"4239

## Final Onroad Vehicles, VMT + Fuel Usage

Phase	Activity	Description	Trip Distance (miles)	Number Trips/yr	VMT	Fuel Type	MPG	Gallons Fuel	Peak Day Trips
qr gtcvq	Uo qng"Vguv"Vtkr u"/"Rcuugpi gt"Cwq	4: "Uo qng"Vguv"Gxgt {"8" O qpj u	62	780	4.4620	I cu	43	329	4
	Uqwtg"Vguv"Vtkr u"/"Rcuugpi gt"Cwq	5: "Uqwtg"Vguv"Gxgt {"7"l gctu' *57"f wtkpi {"gct'3+	62	5; 0	3.7820	I cu	43	96	4
	Uqwtg"Vguv"Vtkr u"/"O gf kwo "F w{"Vtwem	57"Uqwtg"Vguv"Gxgt {"7"l gctu' *57"f wtkpi {"gct'3+	62	5; 0	3.7820	F kgugn	32	378	4
	Dci j qwug"Y cuvg"J cwtkpi "/"J gcx {"F w{"Vtwem	6"Hckrkkgu."6"Vtkr u"Gcej "r gt" [ gct	62	340	6: 20	F kgugn	9	95	3
eqpwtvckp	Gs wkr o gpv"F grkxgt {"O gf kwo "F w{"Xgpf qt"Vtwem	38"Gperquwtg"K r tqxgo gpv."35"ugw"qh"Go kuukqp"Eqpwtqn" F gxleg"O qpksqtkpi "Gs wkr o gpv."	37	4; 0	6570	F kgugn	32	66	:
	Gs wkr o gpv"Kpucmckp"/"Rcuugpi gt"Cwq	4"Y qtngtu"gej "hqt"38" Gperquwtg"K r tqxgo gpv."35" Ugw"qh"Go kuukqp"Eqpwtqn" F gxleg"O qpksqtkpi "Gs wkr o gpv."	52	7: 0	3.9620	I cu	43	: 5	38
	Gperquwtg"Eqpwtvckp"/"Y qtngt"Vtkr u	5"y qtngt"vtr u."7"f c { u."6"ukgu	52	820	3.: 220	I cu	43	: 8	34
	Gperquwtg"Eqpwtvckp"/"F grkxgt {"Vtkr u	3"Xgpf qt"vtem"7"f c { u."6"ukgu	37	420	5220	F kgugn	32	52	6
	Dci j qwug"Kpucmckp"/"Y qtngt"Vtkr u	7"y qtngt"vtr u."7"f c { u."32"ukgu	52	4720	9.7220	I cu	43	579	42
	Dci j qwug"Kpucmckp"/"F grkxgt {"Vtkr u	3"Xgpf qt"vtem"7"f c { u."32" ukgu	37	720	9720	F kgugn	32	97	6
	Vqvcn"XO V				18,365				71

Hvgn"Wuci g"?"XO V"TO RI

## **APPENDIX C**

---

### **PAR 1407 List of Affected Facilities**

PAR 1407 List of Affected Facilities

Facility ID	Facility Name	Address	On DTSC List per Government Code 65962.5 (Envirostor)?	Nearest Sensitive Receptor (Miles)	Located within 1/4 Mile of a School?	Located within Two Miles of an Airport?
852	EQP UQNF CVGF 'HQP F TIGU'PE	: 555'Y KNEQZ 'CX'EWFCJ [ ' ; 2423	Pq	202:	Pq	Pq
3448	J [ CVVF K'ECUV' 'GPI RGGTPI 'EQTR	6878'NPEQNP 'CX'E[ RTGU'; 2852	[ gu	2022	Pq	Pq
3: 46	DWFF [ 'DCT'ECUVR I	32: 23/47'UGUUNG'UVUQWJ 'I CVG'; 24: 2	Pq	2022	Pq	Pq
6525	N[ P Y QQF 'RCVVGTP 'UGTX'PE	33455'RGCEJ 'UVTGGV'N[ P Y QQF'; 2484	Pq	2022	[ gu	Pq
6: 78	F QY GNN'CNWO R WO 'HQP F T[ 'PE	33564'J CTVNCP F 'UVOPQT VJ 'J QNN[ Y QQF'; 3827	Pq	2083	Pq	Pq
6: 84	RQPGGT'F KECUVGTU'PE	642; 'EJ GX[ 'EJ CUGFT'NQU'CP I NGU'; 225;	Pq	2027	Pq	Pq
8; ; 8	CPI GNWU'CNWO R WO 'HQP F T[ 'EQ'PE	569; 'G'RREQ'DNXF ONQU'CP I NGU'; 2245	Pq	2029	Pq	Pq
9633	F CXHUY K'G'EQTR	7777'KTY R F CNG'CX'KTY R F CNG'; 3928	[ gu	2064	Pq	Pq
: 729	CNWO /CNNQ[ 'EQ'PE	836'UDQP 'XIGY 'CX'QP VCTIQ'; 3983	Pq	208;	Pq	[ gu
: 57:	UGO EQ'GP VGT0'PE	697'Y KNUQP 'Y C[ 'EK[ 'QH'RF WUVT[ ' ; 3966	Pq	2045	Pq	Pq
33: 69	ECUV/TK'G'EQTR	737'G'CKTN'G'Y C[ 'I CTF GP C'; 246:	Pq	2025	Pq	Pq
35252	O QFGTP 'RCVVGTP' 'HQP F T[ 'EQ'PE	7832'CNEQC'CXG0XGTP QP'; 227:	Pq	2058	Pq	Pq
36656	VKY K'G	3467; 'CTTQY 'J Y [ 'GVK'CP FC'; 395;	Pq	2076	Pq	Pq
366; 7	XHUC'O GVCNU'EQTRQTCVQP	35647'Y J K'VTCO 'CXGP WGHQP VCP C'; 4557	Pq	2045	Pq	Pq
36922	O CI RCTVU'PE	3767'TQQUGXGNV'UV'C\ WUC'; 3924	Pq	2076	Pq	Pq
3855:	MCUGT'CNWO R WO 'HCDT'ECVGF 'RTQF WEVU'NNE	8472'DCPF R KDNXF 'NQU'CP I NGU'; 2262	Pq	2077	Pq	Pq
39738	NCPECU'CNWO R WO 'PE	3866'Y "'357VJ 'UVI CTF GP C'; 246;	Pq	2048	Pq	Pq
3: 466	O QT/ECUV'CNWO R WO 'HQP F T[	4783'G'47VJ 'UVONQU'CP I NGU'; 227:	Pq	202	Pq	Pq
3: 685	EQXGTV'KQP 'Y QTMU	9: 43'UQVU'CXG'J WP VR I VQP 'RCTM'; 2477	Pq	2027	Pq	Pq
42222	DGNN'HQP F T[ 'EQ	7532'UQWJ GTP 'CX'UQWJ 'I CVG'; 24: 2	Pq	2027	Pq	Pq
42389	NQU'CP I GNGURWOR' 'XCXNG'RTQF WEVU	474; 'G'77VJ 'UV'J WP VR I VQP 'RCTM'; 2477	Pq	208;	[ gu	Pq
442; 4	Y GUVGP 'VWDG' 'EQP F W'EQTR	4223'GFQO R I WG\ 'UVNQPI 'DGCEJ ' ; 2: 23	[ gu	205;	Pq	Pq
45447	O QPCTEJ 'CNWO R WO 'ECUVR I 'EQ	33433'UQOI CTHGNF 'CXG0UQWJ 'I CVG'; 24: 2	Pq	2023	Pq	Pq
45686	CODTK'R F 'PE	34: : 'NQU'CP I NGU'UVOI NGP FCNG'; 3426	Pq	2027	Pq	Pq
45955	UWRTGO G'ECUVR I U' 'RCVVGTP 'EQ'PE	3387.'3395'MTCGO GT'RN'CP CJ GKO'; 4: 28	Pq	2044	Pq	Pq
57742	EQORWF K'ECUVR I U'PE	643'Y GDGT'CX'EQORVQP'; 2444	Pq	202:	Pq	Pq
65658	VUV.'PE0	33822'GVK'CP FC'HQP VCP C'; 4559	Pq	3024	Pq	Pq
6: 769	H'PMN' 'UQPUEQ	32957'UGUUNG'UV'UQWJ 'I CVG'; 24: 2	Pq	2023	Pq	Pq
76624	UGTTC'CNWO R WO 'EQORCP [	4567'HNGGVY QQF 'TKGTU'FG'; 472;	[ gu	2059	Pq	Pq
7: 988	I GO R KCNWO R WO 'EQTR	5477'RQO QP C'DNXF 'RQO QP C'; 398:	Pq	2082	Pq	Pq
7: 948	CNWO R WO 'F K'ECUVR I 'EQ'PE	32997'UCP 'UGXCR G'Y [ 'O R C'NQO C'; 3974	[ gu	2045	Pq	Pq
84432	ECN'CF 'PE	3952'DCNDQC'CX'QP VCTIQ'; 3983	Pq	2085	Pq	[ gu
97753	GF GNDTQEM'HQP F T[ 'EQTR	3542'DWGP C'XHUC'UCP 'LCEP VQ'; 47: 5	Pq	2048	Pq	Pq
99493	CVNCURCEH'EQTQTCVQP	4: 25'R F WUVTK'N'FTKGDNQO R I VQP'; 4538	Pq	2069	Pq	Pq
: 4573	Y GUV'EQCU'UVC'R NGU'RTQF WEVU	4652'G'75TF 'UV'J WP VR I VQP 'RCTM'; 2477	Pq	2057	Pq	Pq
: 5324	NK J 'VO GVCNU'PE	3554; 'GEVQT'UV'EK[ 'QH'RF WUVT[ ' ; 3968	[ gu	2088	Pq	Pq
: 69: 3	CNWO /CNNQ[ 'EQ'PE	825'UJ QRG'CX'QP VCTIQ'; 3983	Pq	208;	Pq	[ gu
: 7: 65	UGTTC'CNWO R WO 'EQORCP [	33933/33: 28'RCEH'E'CX'HQP VCP C'; 4559	[ gu	2085	Pq	Pq

PAR 1407 List of Affected Facilities

Facility ID	Facility Name	Address	On DTSC List per Government Code 65962.5 (Envirostor)?	Nearest Sensitive Receptor (Miles)	Located within 1/4 Mile of a School?	Located within Two Miles of an Airport?
325983	EQP UQNF CVGF 'HQP F TKGU' R E	: 555"Y RNEQZ 'CXG' EWF CJ [ "; 2423	P q	20:	P q	P q
327; 25	RTIO G'Y J GGN	39926"DTQCF Y C[ 'ECTUQP "; 2968	P q	20:	[ gu	P q
3343; :	HQP VCP C' HQP F T[ 'EQTR0	: 528"EJ GTT[ 'CXG' HQP VCP C"; 4557	P q	20:	P q	P q
334489	CNNQ[ 'F K' ECUV R I 'E Q	8772"ECDCNNGTQ'DNXF 0DWGP C'RCTM"; 2842	[ gu	20:	P q	P q
335473	F[ P CECUV. R E0	47; 74"EQO O GTEGP VTG'F T'NCMG' HQT GUV"; 4852	P q	20:	[ gu	P q
3428; 9	ECNK HQT P K' F K' ECUV R I 'R E	3: 42"UI TQXG' CXG' QP VCTIQ"; 3983	P q	20:	P q	[ gu
34538:	RGTHQTO CPEG'CNWO R WO 'RTQF WEVU	72: "URCNO GVVQ' CXG' QP VCTIQ"; 3984	P q	20:	P q	P q
347; 52	HQP F T[ 'Y QTMU	9829"3 H" TCO KU 'UV'DGNN' I CTF GP U"; 2423	P q	20:	P q	P q
348758	EQP UQNF CVGF 'HQP F TKGU' R QO QP C	6422"Y "XCNNQ[ 'DN' RQO QP C"; 398;	[ gu	20:	P q	P q
3498: 3	V[ 'DCT' EQTR	32949" I CTHGNF 'CXG' UQWJ 'I CVG"; 24: 2	P q	20:	P q	P q
34: 538	CO GT ECP 'R VGT P CVI QP CN' GPI	: 82"CTTQ[ Q' CXG' UCP 'HGT P CPF Q"; 3562	P q	20:	[ gu	P q
353729	Y K' GVGEJ . R E0	8662" GECPP R I 'UVEQO O GTEG"; 2262	P q	20:	P q	P q
35: 9; 7	J ' 'O 'HQP F T[ . R E	7837" NGGF UUV' UQWJ 'I CVG"; 24: 2	P q	20:	P q	P q
367438	WP K' GTUCN' O QNF R I 'EQO RCP [	32: 28" UVCP HQT F 'CXG' N[ P Y QQF "; 2484	P q	20:	P q	P q
37; 554	CO GT ECP 'F K' ECUV R I . R E0	36798" HQP VNGG' NP 'HQP VCP C"; 4557	P q	20:	P q	P q
392: 86	RCEK H E' ECUV' RTQF WEVU' CNWO K VCT' R E	34933" G' O RGT K' N' J Y [ 'UCP VC' HGT URT R I U"; 2892	P q	20:	P q	P q
: 673	J W J GUDTQU' C K' ETC HVGTU' R E	33232" I CTHGNF 'RNOUQWJ 'I CVG"; 24: 2	P q	20:	P q	P q
32; 7: 9	ETCHVGEJ 'O GVCN' HQT O R I 'R E	46322" D' Y CVGT 'UV' RGT T K'; 4792	P q	20:	P q	P q
388674	UGC' U I KGNF 'O CT R' G' RTQF WEVU. R E0	42: 54" EWT T KGT 'TF 'Y CNP W"; 39: :	P q	20:	P q	P q
3: 5732	RTQ' ECUV' R F WMT KGU	37777" O R P P GUQVC' CXG' RCTCO QWP V"; 2945	P q	20:	P q	P q
39547	CEG' ENGCT Y CVGT 'GP VGT RT KGU	36327" UI CTHGNF 'CX' RCTCO QWP V"; 2945	[ gu	20:	P q	P q
3277; :	UGP KQT' CGT QURCEG' UUR	4: : 2' P 'UCP 'HGT P CPF Q'DNXF 0DWTDCP M"; 3726	P q	20:	P q	P q

## **APPENDIX D**

---

### **Comment Letter Received on the Draft EA and Response**

#### **Comment Letter #1 – California Department of Transportation**

## Comment Letter #1

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

Gavin Newsom, Governor

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 12  
1750 EAST FOURTH STREET, SUITE 100  
SANTA ANA, CA 92705  
PHONE (657) 328-6368  
FAX (657) 328-6510  
TTY 711  
[www.dot.ca.gov](http://www.dot.ca.gov)



Making Conservation  
a California Way of Life.

July 18, 2019

Barbara Radlein  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

File: IGR/CEQA  
12-ORA-2019-01164

Dear Ms. Radlein,

Thank you for including the California Department of Transportation (Caltrans) in the review of the Draft Environmental Analysis (EA) for the Proposed Amended Rule (PAR) 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations. The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability.

Proposed amendments to Rule 1407 would apply to metal melting operations such as smelting, tinning, galvanizing, and other miscellaneous processes where nonchromium, instead of non-ferrous, metals such as aluminum, brass, bronze, carbon steel, and zinc are processed in molten form. PAR 1407 revises emission standards, establishes monitoring provisions for air pollution control equipment, adds building enclosure provisions to limit fugitive emissions, and updates housekeeping, source testing, and monitoring, recordkeeping, and reporting requirements. The Draft EA indicated that while the project may further reduce fugitive emissions of arsenic, cadmium and nickel, complying with PAR 1407 may also create secondary adverse environmental impacts that would not result in significant adverse impacts to any environmental topic areas. Some facilities affected by PAR 1407 may be identified on lists compiled by the California Department of Toxic Substances Control per Government Code Section 65962.5.

PAR 1407 applies to any owner or operator of non-chromium metal melting operations, including, but not limited to, smelters, foundries, die-casters, coating processes, and other miscellaneous processes such as dip soldering, brazing and aluminum powder production. The South Coast AQMD has jurisdiction over an area of approximately 10,743 square miles, consisting of the fourcounty South Coast Air Basin (Basin) (Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties), and the Riverside County

*"Provide a safe, sustainable, integrated and efficient transportation system  
to enhance California's economy and livability"*

"

South Coast Air Quality Management District

July 18, 2019

Page 2

portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The Basin, which is a subarea of South Coast AQMD's jurisdiction, is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto mountains to the north and east. It includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. The Riverside County portion of the SSAB is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley. A federal non-attainment area (known as the Coachella Valley Planning Area) is a subregion of Riverside County and the SSAB that is bounded by the San Jacinto Mountains to the west and the eastern boundary of the Coachella Valley to the east.

After reviewing the Draft EA, at this time, Caltrans does not have any comments. Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Julie Lugaro at 657-328-6368 or [Julie.lugaro@dot.ca.gov](mailto:Julie.lugaro@dot.ca.gov).

Sincerely,



Scott Shelley  
Branch Chief, Regional-IGR-Transit Planning  
District 12

*"Provide a safe, sustainable, integrated and efficient transportation system  
to enhance California's economy and livability"*

"

"



### Response to Comment Letter #1"

Vj cpm{ qwhqt" { qwt'rgwgt0"Vj ku'rgwgt"f qgu'pqv'cr r gct"vq'tckug"cp{ "EGS C"kuwgu'tgrvkg"vq"vj g"  
cpcn{uku'kp"F tchv'GC"qt"vj g'RCT"3629'twrg'rcpi wci g0Vj gtghqtg."pq'hwty gt'tgur qpug'ku'tgs wktgf 0'

# ATTACHMENT I

"

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

"

### Final Socioeconomic Impact Assessment for Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations "

September 2019

#### Deputy Executive Officer

Rrpplpi . "Twg" F gxgnr o gpv. "cpf" "Ctgc" "Uqwegu"  
Rj kkr "O 0Hpg. "Rj (F 0"

#### Assistant Deputy Executive Officer

Rrpplpi . "Twg" F gxgnr o gpv. "cpf" "Ctgc" "Uqwegu"  
Utcj "N0Tggg. "Rj (F 0"

"

**Author:** " " RcwUqtqm "Rj (F 0" Ck "S wcrkv{ "Ur gekcrkv" " " "

**Technical Assistance:** " Mppctf "Gnku. "Ck "S wcrkv{ "Ur gekcrkv" \*t gvt gf +"  
" I ngpp "Mcuck "Ugpkqt "Ck "S wcrkv{ "Gpi kpggt "  
" O lej cgn "O qttku. "Rrpplpi "cpf "Twgu "O cpci gt "  
" F qp "P i w{ gp. "Ugpkqt "Ck "S wcrkv{ "Gpi kpggt "  
" Dkn "Y grej . "Ugpkqt "Ck "S wcrkv{ "Gpi kpggt "  
" W{ gp / W{ gp "Xq. "Rtqi tco "Uwr gtxluqt "  
" Nkuc "Y qpi . "Ck "S wcrkv{ "Ur gekcrkv"  
"

**Reviewed By:** " Uj cj "F cdkkcp. "Rj (F 0" Rtqi tco "Uwr gtxluqt "  
" Kp "O ceO knrp. "Rrpplpi "cpf "Twgu "O cpci gt "  
" Uwucp "P cnro wtc. "Cuukncpv "F gr w{ "Gz gewkxg "Qhkegt "  
" Uceg{ "Rt wkw. "Ugpkqt "F gr w{ "F kntkv "Eqwpugn "  
" Y knko "Y qpi . "Rtlpekr cn "F gr w{ "F kntkv "Eqwpugn "

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT" GOVERNING BOARD

Ej ckto cp<" FT0Y KNNICO 'C0DWTMG  
Ur gcngt"qh'vj g'Cungo dn{ 'Cr r qlpvvg"

Xleg'Ej ckto cp<" DGP "DGP QK"  
" Eqwpekl'O go dgt."Y krf qo ct"  
" Ekkgu"qh'Tkxgtukf g'Eqwpv{ "  
O GO DGTU<"

NKUC "DCT VNGVV"  
Uwr gt xkuqt.'Hkhj 'F kntlev"  
Eqwpv{ "qh'Qtcpig"

LQG'DWUEC K Q"  
Eqwpekl'O go dgt."37j 'F kntlev"  
Ek{ "qh'Nqu'Cpi grgu'Tgr tgu gpvcvkxg"

O K E J C G N " C 0 E C E E K Q V V K "  
Eqwpekl'O go dgt."Uqwj 'Rcucf gpc"  
Ekkgu"qh'Nqu'Cpi grgu'Eqwpv{ lGcungtp'Tgi kqp"

XCP GUUC 'F GNI CF Q"  
Ugpcvg'Twrgu'Ego o kvgg'Cr r qlpvvg"

ICP KEG'J CJ P  
Uwr gt xkuqt.'Hqwtj 'F kntlev"  
Eqwpv{ "qh'Nqu'Cpi grgu"

NCTT[ 'O E E C N N Q P "  
O c { q t " R t q " V g o . " J k i j r c p f "  
Ekkgu"qh'Ucp'Dgt p c t f l p q " E q w p v { "

LWF KJ 'O K E J G N N "  
O c { q t . " T q m l p i " J k m " G u c v g u "  
Ekkgu"qh'Nqu'Cpi grgu'Eqwpv{ lY gungtp'Tgi kqp"

X0O CP WGN " RGT G \ "  
Uwr gt xkuqt.'Hqwtj 'F kntlev"  
Eqwpv{ "qh'Tkxgtukf g"

F Y K J V " T Q D K U Q P "  
Eqwpekl'O go dgt."Ncng'Hq t g u v "  
Ekkgu"qh'Qtcpig'Eqwpv{ "

ICP KEG'TWJ GTHQTF "  
Uwr gt xkuqt.'Ugeqpf 'F kntlev"  
Eqwpv{ "qh'Ucp'Dgt p c t f l p q "

XCECP V"  
I qxgtpqtat'Cr r qlpvvg"

GZGEWWKXG'QHHEGT<"

Y C[ P G'P C U V T K'

# EXECUTIVE SUMMARY

"

C"uqekqgeqpqo le"cpn{uku"y cu"eqpf wevgf "v"cuugu"vj g"r qvgpvkn"ko r cevu"qh"Rtqr qugf " Co gpf gf "Twg"RCT+3629"6"Eqpvtqn"qh"Go kuukqpu"qh"ctugple."Ecf o kwo ."cpf "Plengn"ltqo " P qp/Ej tqo kwo "O gvcn"O gmkpi "Qr gtcvkqpu"qp"vj g"hwte/eqwpv{ "tgi kqp"qh"Nqu"Cpi grgu." Qtcpi g."Tlxgtukf g."cpf "Ucp"Dgtptcf kpq0" C"uwo o ct{ "qh"vj g"cpn{uku"cpf "hkf kpi u"ku" r tguwpvgf "dgrny 0"

"

<p><b>Elements of Proposed Amendments</b></p>	<p>RCT"3629"/"Eqpvtqn"qh"Go kuukqpu"qh"ctugple."Ecf o kwo ."cpf "Plengn"ltqo " P qp/Ej tqo kwo "O gvcn"O gmkpi "Qr gtcvkqpu"y kniko r ngo gpv."kp"r ctv."vj g"Uqwj " Eqcu"4238" Ck" S wcrk{ " O cpci go gpv" Rcpv" eqpvtqn"o gcuwg" VZO/28" 6" Eqpvtqn"qh"Vqzle"Go kuukqpu"ltqo "O gvcn"O gmkpi "Hcekrklgu"Vj g"r wtr qug"qh" VZO/28"ku"vq"tgf weg"ctugple."ecf o kwo ."plengn"qj gt"vqzle"o gvcn."cpf " r ctvwrcvg"o cwtg"ltqo "hwpf tkgu"cpf "qj gt"o gvcn"o gmkpi "qr gtcvkqpu"</p> <p>RCT"3629"cr r dgu"vq"cm"hekrklgu"o gmkpi "o gvcn"eqpvcklpi "nguu"vj cp"207" " ej tqo kwo "eqpvgpv."hqt"gzco r ng"cnwo kpwo ."dtcuu."dtqp{ g."ectdqp"uygg"l kpe." gve0"Uwej "o gvcn"o gmkpi "qr gtcvkqpu"kpemf g"hwte/eqwpv{ "qj gt"hekrklgu" r gthqto kpi "uo gmkpi ."kppkpi ."i ckrckp kpi ."gve0"</p> <p>RCT"3629"guvdrkuj gu"ctugple."ecf o kwo ."cpf "plengn"tgf wevkqp"ghhekgpe{ " tgs vkt go gvu"ltqo "o gvcn"o gmkpi "qr gtcvkqpu."y j krg"cmqy kpi "cp"qr vkp"vq" o ggvtugple."ecf o kwo ."cpf "plengn"o cuu"go kuukqpu"ko ku"kp"r nceg"qh"o ggkpi " tgf wevkqp"ghhekgpe{ "tgs vkt go gvu0"RCT"3629"tgs vkt gu"ppq/ej tqo kwo "o gvcn" o gmkpi " hekrklgu" vq" f go qpwtcvg" eqo r rkepeg" y kj " vj g" tgs vkt go gvu" qh" r qmwkqp"tgf wevkqp"ghhekgpe{ "qt"o cuu"go kuukqpu"ko ku"vj tqwi j "uqwtg"vgnkpi 0"</p> <p>RCT"3629"tgs vkt gu"ppq/ej tqo kwo "o gvcn"o gmkpi "hekrklgu"vq"gpernug"vj gkt" qr gtcvkqpu0"RCT"3629"cf f kkpem{ "tgs vkt gu"emkpi "qr gpki u"kp"gpernugt" mcevgf "cv"qr r qukg" gpf u"qh"vj g"dwkf kpi "vq"tgf weg"hw kkg" go kuukqpu"qh" ctugple."ecf o kwo ."cpf "plengn"r ctvwrcvgu"qwuif g"vj gkt"hekrklgu0"</p> <p>RCT"3629"guvdrkuj gu"j qwugnggr kpi ."go kuukqpu"eqpvtqn"fxleg"o clpvgpcpeg." cpf "tgeqtf nggr kpi " tgs vkt go gvu" hqt"o gvcn"o gmkpi " hekrklgu0" RCT" 3629" r tqr qugu"vq"o qf kh{ "ugxgten"gzgo r vkpu."o clpn{ "vj g"do gvcn"qt"cmq{ "r wtk{ 6" gzgo r vkp"cpf "vj g"oengcp"cnwo kpwo "ueter 6"gzgo r vkp0"Vj g"do gvcn"qt"cmq{ " r wtk{ 6"gzgo r vkp"ku"o qf khgf "vq"cr r n{ "qpn{ "vq"hekrklgu"r tqeguulpi "uo cmgt" co qwpw" qh" ppq/ej tqo kwo " o gvcn" y j krg" vj g" oengcp" cnwo kpwo " ueter 6" gzgo r vkp"y kn{gpf "uvtvki "Lcpwet { "3."42430"</p>
<p><b>Potentially Affected Facilities and Industries</b></p>	<p>RCT"3629"ku"gzr gevfg "vq"r qvgpvkm{ "chgev"82"hekrklgu"ercuukhgf "wpgt" c" xctkgv{ " qh" kpf wut{ " eqf gu." o clpn{ " kp" vj g" kpf wutkgu" qh" uygn" r tqf wev" o cpwrcwtlpi "ltqo "r wtej cugf "uygn"PCHEU5534+."cnwo kpc"cpf "cnwo kpwo " r tqf wevkqp"cpf "r tqeguulpi "PCHEU5535+."cpf "hwte/eqwpv{ "PCHEU5537+0"Qh" vj g"82"hekrklgu"r qvgpvkm{ "chgevfg "d{ "RCT"3629."62"ctg"mcevgf "kp"Nqu" Cpi grgu"NC+"Eqwpv{ ."hwte"kp"Qtcpi g"QT+"Eqwpv{ ."hwte"kp"Txgtukf g"TX+" Eqwpv{ ."cpf "34"kp"Ucp"Dgtptcf kpq"UD+"Eqwpv{ 0"</p>

<p><b>Cost Assumptions</b></p>	<p><b>Emission control devices (i.e. baghouses) and supporting equipment</b>  Vq"eqo r n{ 'y kj "RCT"3629."Uqwj "Eqcu'CS O F "uchh'g'zr gewu'32'dci j qwugu"  cv'hqt'hcekklgu'vq'dg'lpucm'g'0Uchh'g'uko cvgu'y g'g'dci j qwugu'vq'equv"  &amp;478.222"gej "hqt'r wtej cug."lpucm'vqp."cpf 'r gto k'kpi "cm'pi 'y kj "  &amp;497.222"cppwcm{ 'hqt'dci j qwug'qr gtcv'qp"cpf 'o cl'p'vgpcpeg0'k'p'v'cn"RCT"  3629'ku'g'zr gev'f'vq't'guwn'lp"&amp;4078'o k'kqp'lp'qp'g/v'ko g'equu'hqt'dci j qwugu"  lp'4243."cm'pi 'y kj "cp'cf f k'kqpcn'&amp;407'o k'kqp'cppwcn'equv'uct'v'pi 'lp'42430'  "</p> <p><b>Bag leak detection systems and pressure gauges with data acquisition systems</b>  Vq"eqo r n{ 'y kj "RCT"3629."Uqwj "Eqcu'CS O F "uchh'g'zr gewu'4: "dci j qwugu"  *32'pgy "cpf "3: "gz'k'kpi '+cv'32'hcekklgu'vq'pg'f'dci 'h'cn'f'g'v'ek'p'u{ 'ungo u'  cpf 'r t'guwt'g'i cwi gu'y kj "f'c'v'ces w'k'k'k'p'u{ 'ungo u'0Uchh'g'uko cvgu'r wtej cug"  cpf 'lpucm'vqp'qh'y g'g'u{ 'ungo u'v'q'equv'&amp;5.322"gej 0'k'p'v'cn"RCT"3629'ku"  g'zr gev'f'vq't'guwn'lp"&amp; 8.: 22'lp'qp'g/v'ko g'equu'hqt'dci 'h'cn'f'g'v'ek'p"  u{ 'ungo u'cpf 'r t'guwt'g'i cwi gu'y kj "f'c'v'ces w'k'k'k'p'u{ 'ungo u'lp'42430'  "</p> <p><b>Building enclosures (e.g. walls, plastic strip curtains, and roll-up doors)</b>  Vq"eqo r n{ 'y kj "RCT"3629."Uqwj "Eqcu'CS O F "uchh'g'zr gewu'hqt'hcekklgu"  vq'lpucm'o clqt'dw'k'f'k'pi "g'p'eq'wt'gu'cf f'k'pi "qp'g'qt'y q'y cm'v'q'c'dw'k'f'k'pi +"  cpf "39'hcekklgu'vq'lpucm'o k'p'qt'dw'k'f'k'pi "g'p'eq'wt'gu."35'qh'y j lej "ct'g"  g'zr gev'f'vq'dg'r m'uk'e'ut'k'r 'ewt'v'k'p'u."cpf 'y g't'go cl'k'p'k'pi 'h'qt'ct'g'g'zr gev'f'vq"  dg't'qm/w'r 'f'q'qt'u'0Uchh'g'uko cvgu'o clqt'dw'k'f'k'pi "g'p'eq'wt'gu'vq'equv'&amp;373.722"  gej . 'r m'uk'e'ut'k'r 'ewt'v'k'p'u'vq'equv'&amp; .222"gej . "cpf 't'qm/w'r 'f'q'qt'u'vq'equv"  &amp;66.222"gej 0'k'p'v'cn"RCT"3629'ku'g'zr gev'f'vq't'guwn'lp"&amp; ; ; .222'lp'qp'g/  v'ko g'equu'hqt'dw'k'f'k'pi "g'p'eq'wt'gu'lp'42420'  "</p> <p><b>Source tests</b>  Vq"eqo r n{ 'y kj "RCT"3629."Uqwj "Eqcu'CS O F "uchh'g'zr gewu'cm'pgy "cpf "  gz'k'k'pi "dci j qwugu'f'w'g'vq"RCT"3629."k'g'04: "dci j qwugu."vq't'gs w'k'g'ug'w'eg"  v'g'uk'pi . "cm'pi 'y kj "cp'cf f k'kqpcn'33'h'w'p'ceg'u."hqt"c"v'q'cn'qh'5; "uq'w'eg'v'gu'u'0'  Uchh'g'uko cvgu'gej "uq'w'eg'v'gu'y k'n'lequv'ct'q'w'p'f "&amp;43.2220Uchh'g'uko cvgu'y g"  v'q'cn'equv'qh'uq'w'eg'v'g'uk'pi "vq'dg"&amp; 3; .222'lp'4243"cpf "gx'gt{ "u'w'd'ugs w'gp'v'82"  o q'p'y u'0'  "</p> <p><b>Smoke tests, anemometers, and slot velocity testing</b>  Vq"eqo r n{ 'y kj "RCT"3629."Uqwj "Eqcu'CS O F "uchh'g'zr gewu'4: "dci j qwugu"  *32'pgy "cpf "3: "gz'k'k'pi '+cv'32'hcekklgu'vq't'gs w'k'g'uo q'ng'v'guu."u'q'v'x'g'm'ek'v{ "  v'guu." cpf " cp'go qo g'v'gt" r wtej cug'0' Uchh' g'uko cvgu" c" qp'g/v'ko g" equv' hqt"  cp'go qo g'v'gt'r wtej cug'qh'&amp;3.222"gej . "cpf 'c'eqo d'k'p'g'f'cppwcn'uo q'ng'cpf 'u'q'v'  x'g'm'ek'v{ "v'g'uk'pi "equv'qh'&amp;3.382"hqt"gej "dci j qwug'0'k'p'v'cn"RCT"3629'ku"  g'zr gev'f'vq't'guwn'lp"&amp;35.222"lp'qp'g/v'ko g'equu'hqt'cp'go qo g'v'gt'u'lp'4243."  cm'pi 'y kj "cp'cf f k'kqpcn'&amp;54.6: 2'cppwcn'equv'hqt'uo q'ng'cpf 'u'q'v'x'g'm'ek'v{ 'v'guu"  uct'v'pi 'lp'42430'  "  "</p>
--------------------------------	--

	<p><b>Housekeeping</b></p> <p>Vq"eqo r n{ "y kj "RCT"3629."Uqwj "Eqcu\CS O F "uchh"gzr gewu"78"qh"vj g"82" r qvpgkcm{ "chgevgf "hcekkkgu"vq"r gthqto "cppwcn{j qwugnnggr kpi . "gzr gevfg "vq" equv"cv'o quv"&amp;3.222"cppwcm{ 0'O qtgqxtg. "65"qh"vj g"82"hcekkkgu"ctg"gzr gevfg " vq"gej "r wtej cug"cpf "qr gtcvg"cdcmr cemJ GRC"xcewwo "f wg"vq"dgkpi "uo cmgt" hcekkkgu."y j kg"vj g"tgo clpki "35"hcekkkgu"ctg"gzr gevfg "vq"r wtej cug"cpf " qr gtcvg"tkf kpi "J GRC"xcewwo u"f wg"vq"dgkpi "rti gt"hcekkkgu0"Uchh"guvko cygu" dcmr cemJ GRC"xcewwo u"vq"equv"&amp;822"gej . "cpf "tkf kpi "J GRC"xcewwo u"vq" equv"&amp;3.722"gej 0'kp"vqcn"RCT"3629"ku"gzr gevfg "vq"tguwn"kp"&amp;397.522"kp" qpg/vko g"equu"htq"J GRC"xcewwo u"kp"423; . "cmqi "y kj "cp"cf f kkpqcn"&amp;78.222" cppwcn"equv"htq"j qwugnnggr kpi "uvtvki "kp"423; 0'</p> <p>"</p> <p><b>Monitoring, reporting, and recordkeeping</b></p> <p>Uqwj "Eqcu\CS O F "uchh"dgngxgu"cf f kkpqcn"equu"qh'o qpkqtkpi . "tgr qt vki . " cpf "tgeqtf nnggr kpi "tgs vkt gf "vq"eqo r n{ "y kj "RCT"3629"vq"dg"pgi rki kdrg"gg 0' rxdqt"equv"vq"tgeqtf "cpgo qo gvg"tgc f kpi u."o clpvclpki "r tguwtg"i cwi g"fcv. " o clpvclpki "uqwtg"vguv."uo qng"vguv."cpf "uqv"xgmek{ "vguv"tgeqtf u."gve00'</p>									
Compliance Costs	<p><b>PAR 1407 Industry-Wide Expected Compliance Costs (2019-2040)"</b></p> <table><tr><th>Real interest rate scenario"</th><th>Total cost if all expenses made in 2019</th><th>Annualized cost</th></tr><tr><td>J ki j /tcvg"uegpctkq" *6' "kpvtguv"tcvg+"</td><td>&amp;65.577.222"</td><td>&amp;5.33; .222"</td></tr><tr><td>Nqy /tcvg"uegpctkq" *3' "kpvtguv"tcvg+"</td><td>&amp;7; .826.222"</td><td>&amp;5.27; .222"</td></tr></table> <p>P qvg&lt;C"j ki j gt"cuwo gf "tgcnlkpvtguv"tcvg"o gcpu"hwmtg"gzr gpugu"j cxg"tqy gt" ewtgpv"xcmg0Vj g"tgcnlkpvtguv"tcvg"eqttgeu"htq"kphtvqkp."cpf "ku"emugn{ " cr r tqzko cvgf "d{ "vj g"pqo kpcnlkpvtguv"tcvg"o kpwu"kphtvqkp0'</p> <p>""</p> <p>RCT" 3629au"qxgtcm"eqo r rkcpeg"equv"ku"gzr gevfg "vq"dg"kpewtgef"cm quv" gpvtgn{ "d{ "vj g"lpf wutkgu"qh"lvgnn"r tqf wev'o cpvkccewtkpi "htqo "r wtej cugf "lvgnn" *P C E U"5534+."cmwo kpc"cpf "cmwo kpwo "r tqf wevqkp"cpf "r tqegukpi " *P C E U" 5535+." cpf " hqwpf tkgu" *P C E U" 5537+0' RCT" 3629au" vqcn" cppwcn{ gf " eqo r rkcpeg"equv"htqo "423; "/"4262"ku"gzr gevfg "vq"tcpi g"htqo " &amp;50/"&amp;50" o knkqp"htq"vj g"tqy /""*3' "tgcnlkpvtguv"tcvg+"cpf "j ki j /""*6' "tgcnlkpvtguv"tcvg+" tcvg"uegpctku"tgur gevkggn{ 0"</p> <p>"</p> <p>Dcugf "qp"vj g"j ki j /tcvg"uegpctkq."cdqw"; 2' "qh"vj g"equu"qh"RCT"3629"vgo " htqo "r wtej culpi . "gpi kpggtkpi . "kpucmkpi . "cpf "cppwcn"o clpvpcpeg"qh"pgy " r qmwkqp"eqpvqrnf gxlegu"dcj j qwugu+."y kj "cdqw". 4' "qh"vj g"RCT"3629"equu" f wg"vq"cppwcn"dcj j qwug"o clpvpcpeg0Vj g"tgo clpki "equu"qh"RCT"3629"vgo " htqo "dwkf kpi "gperquwtgu."J GRC"xcewwo u."uqwtg"vguvkpi . "uo qng"vguvkpi . " j qwugnnggr kpi . " gve0' C f f kkpqcn" equu" qh" o qpkqtkpi . " tgr qt vki . " cpf " tgeqtf nnggr kpi "cpf "r gto k'o qf hkecvkpu"ctg"gzr gevfg "vq"dg"pgi rki kdrg0'</p> <p>"</p> <p>RCT" 3629"ku"gzr gevfg "vq"j cxg"rti gt"eqo r rkcpeg"equu"htq" c" hgy "rti gt" hcekkkgu"gzr gevfg "vq"kpucm"go kuukqp"eqpvqrnf gxlegu."cu"lpf kecvgf "kp"vj g"vdrn"</p>	Real interest rate scenario"	Total cost if all expenses made in 2019	Annualized cost	J ki j /tcvg"uegpctkq" *6' "kpvtguv"tcvg+"	&65.577.222"	&5.33; .222"	Nqy /tcvg"uegpctkq" *3' "kpvtguv"tcvg+"	&7; .826.222"	&5.27; .222"
Real interest rate scenario"	Total cost if all expenses made in 2019	Annualized cost								
J ki j /tcvg"uegpctkq" *6' "kpvtguv"tcvg+"	&65.577.222"	&5.33; .222"								
Nqy /tcvg"uegpctkq" *3' "kpvtguv"tcvg+"	&7; .826.222"	&5.27; .222"								

	<p>dgrny 0'O quv"RCT"3629"r qvqv"cm{"chgevgf "hcekrkkgu."63"qh"82."ctg"uo cmgt " cpf "gxr gevfg "vq"pqv"j cxg" go kuukqpu"eqpvtqn" f gxlegu" cpf "pqv"pggf "pgy " go kuukqpu"eqpvtqn" f gxlegu" Qp" cxgtci g." gcej "qh"vj gug"uo cmgt "hcekrkkgu" ku" gxr gevfg "vq"ur gpf "ctqwpf "&amp;72.222"qxgt"423; /4262"f wg"vq"RCT"3629."qt" ctqwpf "&amp;5.222"r gt" { gct0C" hgy "rti gt "hcekrkkgu."hwt"qh"82."ctg"rti gt "hcekrkkgu" gxr gevfg "vq"pggf "qpg"qt"o qtg"pgy "go kuukqpu"eqpvtqn" f gxlegu" Qp" cxgtci g." gcej "qh"vj gug"rti gt "hcekrkkgu" ku" gxr gevfg "vq"ur gpf "ctqwpf "&amp;33.422.222"qxgt" 423; /4262"f wg"vq"RCT"3629."qt"ctqwpf "&amp;797.222"r gt" { gct0</p> <p>"</p> <p><b>PAR 1407 Average Expected Compliance Cost Per Facility by Facility Size (2019-2040)"</b></p> <table><tr><th>Facility size"</th><th>Number potentially affected facilities</th><th>Total cost if all PAR 1407 expenses made in 2019</th><th>Annualized cost</th></tr><tr><td>Uo cm="pq"gzkupi " go kuukqpu"eqpvtqn" f gxlegu"</td><td>63"</td><td>&amp;72.222"</td><td>&amp;5.222"</td></tr><tr><td>Uo cm="y kj " gzkupi "go kuukqpu" eqpvtqn" f gxlegu"</td><td>4"</td><td>&amp;37: .222"</td><td>&amp; .222"</td></tr><tr><td>Ncti g="r tqeguupi " mpy "ctugple"cpf " mpy "ecf o kwo " o gxcn0"</td><td>35"</td><td>&amp; 82.222"</td><td>&amp;6; .222"</td></tr><tr><td>Ncti g="RCT"3629" tgs wktgu"pgy " go kuukqpu"eqpvtqn" f gxlegu"lpuxm"vqp0"</td><td>6"</td><td>&amp;33.3; ; .222"</td><td>&amp;797.222"</td></tr></table> <p><b>Note:</b>"C"uo cm" hcekrkkgu" ku" f ghkpgf "vq"r tqegu"ngu"vj cp": .622"vqu"qh'o gxcn"r gt" { gct."y j kg" c"rti g" hcekrkkgu" ku" f ghkpgf "vq"r tqegu": .622"vqu"qh'o gxcn"qt"o qtg"r gt" { gct0Vqcn"equ"lpexf gu"cm"qpg"vko g" cpf "tgewt"lpi "equu" gxr gevfg "f wg"vq"RCT" 3629"htqo "423; /4262"htqo"cp"cxgtci g" hcekrkkgu" lp" gcej "hcekrkkgu" /uk g"ecvgi qt { 0</p> <p>"</p>	Facility size"	Number potentially affected facilities	Total cost if all PAR 1407 expenses made in 2019	Annualized cost	Uo cm="pq"gzkupi " go kuukqpu"eqpvtqn" f gxlegu"	63"	&72.222"	&5.222"	Uo cm="y kj " gzkupi "go kuukqpu" eqpvtqn" f gxlegu"	4"	&37: .222"	& .222"	Ncti g="r tqeguupi " mpy "ctugple"cpf " mpy "ecf o kwo " o gxcn0"	35"	& 82.222"	&6; .222"	Ncti g="RCT"3629" tgs wktgu"pgy " go kuukqpu"eqpvtqn" f gxlegu"lpuxm"vqp0"	6"	&33.3; ; .222"	&797.222"
Facility size"	Number potentially affected facilities	Total cost if all PAR 1407 expenses made in 2019	Annualized cost																		
Uo cm="pq"gzkupi " go kuukqpu"eqpvtqn" f gxlegu"	63"	&72.222"	&5.222"																		
Uo cm="y kj " gzkupi "go kuukqpu" eqpvtqn" f gxlegu"	4"	&37: .222"	& .222"																		
Ncti g="r tqeguupi " mpy "ctugple"cpf " mpy "ecf o kwo " o gxcn0"	35"	& 82.222"	&6; .222"																		
Ncti g="RCT"3629" tgs wktgu"pgy " go kuukqpu"eqpvtqn" f gxlegu"lpuxm"vqp0"	6"	&33.3; ; .222"	&797.222"																		
<p><b>Jobs and Other Socioeconomic Impacts</b></p> <p>"</p>	<p><b>PAR 1407 Expected Annual Foregone Jobs (2019-2040)"</b></p> <table><tr><th>Cost scenario"</th><th>Annual foregone jobs"" * "qh"vqcn"lqdu"lp"NC."QT." TX."cpf "UD"eqwpvku" +"</th></tr><tr><td>J ki j /tcvg"uegpctkq"*6' "lpvgtguv"tcvg+" "</td><td>; 4"*2023' +"</td></tr><tr><td>Nqy /tcvg"uegpctkq"*3' "lpvgtguv"tcvg+" "</td><td>; 2"*2023' +"</td></tr></table> <p>Dcugf "qp"vj g"cdqxx"cuuwo r vqpu."vj g"eqo r rkcpeg"equ"qh"RCT"3629."cpf "vj g" cr r rkcvgu" qh"vj g" T gi kqpcn" Geppqo le" O qf gnu." kpe0" *TGO K" o qf gn" k' ku" r tqlgevgf "; 2"/"; 4"lqdu"y knidg"htqo qpg"qp" cxgtci g" cppwcm" { "htqo "423; /"4262" kp"vqcn" cetquu"cm"Uqwj "Eqcu"CS O F "lpf wutlgu"Vj g"r tqlgevgf "lqd"htqo qpg" ko r ceu" tgr tguv"cdqww" 2023' " qh"vqcn" go r mq { o gpv" kp" vj g" hwt/eqwpv" "</p>	Cost scenario"	Annual foregone jobs"" * "qh"vqcn"lqdu"lp"NC."QT." TX."cpf "UD"eqwpvku" +"	J ki j /tcvg"uegpctkq"*6' "lpvgtguv"tcvg+" "	; 4"*2023' +"	Nqy /tcvg"uegpctkq"*3' "lpvgtguv"tcvg+" "	; 2"*2023' +"														
Cost scenario"	Annual foregone jobs"" * "qh"vqcn"lqdu"lp"NC."QT." TX."cpf "UD"eqwpvku" +"																				
J ki j /tcvg"uegpctkq"*6' "lpvgtguv"tcvg+" "	; 4"*2023' +"																				
Nqy /tcvg"uegpctkq"*3' "lpvgtguv"tcvg+" "	; 2"*2023' +"																				

	<p>tgi kqp"htq"dqj "vj g"mgy /"cpf "j ki j /tcvg"uegpctkq0'lqdu"htqgi qpg"ecp"eqo g"htqo 'ewtgpvlqdu'hquv."qt'r qvgp'kcnlhwmtg'etgcvf 'lqdu'pq'iqpi gt'dgkpi 'etgcvf 0"</p> <p>Vj g"uvgn" r tqf wev" o cpwxcwtkpi " htqo " r wtej cugf " uvgn" *P C E U" 5534+."cnwo kpc" cpf " cnwo kpwo " r tqf wevq" cpf " r tqeguulpi " *P C E U" 5535+." cpf " hqwpf tkgu" *P C E U" 5537+." kpf wutkgu" ctg" gzt gev f " vq" htqgi q" c" vqcn'qh" 3: " lqdu" cppwcmf " htqo " 423; " /" 4262" cu" c" tguwn'qh" RCT" 3629" dgkpi " cf qr vgf 0"</p> <p>F wg" vq" o quv' gzt gpf kwtgu" htqo " RCT" 3629" gzt gev f " vq" dg" o cf g" qwukf g" vj g" Uqwj " Eqcu' CS O F " lwtkf levkq. RCT" 3629" ku" gzt gev f " vq" tgf weg' f kur qucdrg" kpego g" kp" vj g" mjecn' geqpqo { . " f co r gplpi " vj g" f go cpf " htq" mjecn' i qqf u" cpf " ugtxlegu0" Nqy gt" f go cpf " htq" mjecn' i qqf u" cpf " ugtxlegu" ku" gzt gev f " vq" tguwn'kp" lqdu" htqgi qpg" cetqu" vj g" mjecn' geqpqo { . " y kj " 55" qh' vj g" ; 4" htqgi qpg" lqdu" " kp" vj g" j ki j /tcvg" uegpctkq+ " r tqf gev f " vq" dg" htqo " eqputwevq" *P C E U" 45+." tgvcln' vcf g" *P C E U" 66/67+." hqgf " ugtxlegu" cpf " f tlpnpi " r rnegu" *P C E U" 944+." cpf " uvcg" cpf " mjecn' i qxgtpo gpv" *P C E U" ; 4+0"</p>
<b>Competitiveness</b>	<p>Cu" c" tguwn'qh" RCT" 3629" dgkpi " ko r ngo gpv f . " uvgn" r tqf wev" o cpwxcwtkpi " htqo " r wtej cugf " uvgn" *P C E U" 5534+." cnwo kpc" cpf " cnwo kpwo " r tqf wevq" cpf " r tqeguulpi " *P C E U" 5535+." cpf " hqwpf tkgu" *P C E U" 5537+." kpf wutkgu" ctg" tguvgevxgnf " cpvlekr cvgf " vq" gzt gtlgpeg" c" tkgu" kp" vj gkt " tgrvkg" equu" qh" r tqf wevq" kp" cp { " i kxp" { gct" htqo " 423; /4262" qh' cv' o quv' 20; 6' " /" 20; 7' . " 20; 9' " /" 20; 2' . " cpf " 20745' " /" 20753' " htq" vj g" mgy /" cpf " j ki j /tcvg" uegpctkq" tguvgevxgnf " tgrvkg" vq" vj gkt " r tgf lev f " dcugrkg" equu" qh' r tqf wevq0"</p> <p>O qtgqxtg. " vj gug" kpf wutkgu" ctg" cpvlekr cvgf " vq" tguvgevxgnf " gzt gtlgpeg" cp" kpetgcug'kp" vj gkt " f grkxgtgf " r tlegu'kp" cp { " i kxp" { gct" htqo " 423; /4262" qh' cv' o quv' 2078' " /" 2079' . " 20464' " /" 20465' . " cpf " 208; 2' " /" 208; 5' " htq" vj g" mgy /" cpf " j ki j /tcvg" uegpctkq" tguvgevxgnf " tgrvkg" vq" vj gkt " r tgf lev f " dcugrkg" f grkxgtgf " r tlegu0" Vj gug" r tleg" cpf " equv' kpetgcugu" ctg" uo cm' tgrvkg" vq" cxgtci g" kphrcvqp" qh' kpf wutkn' gs vkr o gpv' equu. " y j lej " y cu" 405' " htqo " 3; ; ; /423: 0"</p>



## INTRODUCTION

Rtqr qugf "Co gpf gf "Twg"3629"RCT"3629+"o"Eqpvtqri'qh'Go kuukpu'qh'Cutugple."Ecf o kwo ." cpf "Plengn'ltqo "P qp/Ej tqo kwo "O gvcn'O gmkpi "Qr gtcvqpu'y kn'lo r ngo gpv."lp"r ctv."yj g" Uqwj "Eqcu'CS O F "+"4238"Clk"S wcrkv{" "O cpci go gpv"Rrnp"CS O R+"eqpvtqri'o gcuwtg"VZO /28"o"Eqpvtqri'qh'Vqzle"Go kuukpu'ltqo " O gvcn'O gmkpi "Hckkkkgu"Vj g'r wtr qug"qh'VZO /28"ku"q"tgf weg"ctugple."ecf o kwo ."plengn" qvj gt"vqzle"o gvcn." cpf "r ctvewrvg"o cwtg"ltqo "hqwptlgu" cpf "qvj gt"o gvcn"o gmkpi " qr gtcvqpu."cu"yj g"Ecrlhtpkl"Qhleg"qh"Gpxktqpo gpvcn"J gcmj "J cl ctf "Cuuguu gpv"j cu" ercuuklgf "ctugple."ecf o kwo ."cpf "plengn'q"dg"gkij gt"rkngn{"ectekpqi gple"qt"ectekpqi gple"vq" j wo cpu"ugg"ucvhtgr qtv#0

RCT"3629"cr r rkgu"q"pqp/ej tqo kwo "o gvcn'o gmkpi "qr gtcvqpu"lpenf kpi "uo gmkpi ."vppkpi ." i crkcpk kpi ."cpf "qvj gt"b kwegmpgquw'ltqeguugy'j gtg'b gvcn'ctg'ltqeguugf "lp"b qngp'htqo ." cu"yj gug"qr gtcvqpu"ecp"go k"vqzle"ck"eqpwo kpcvu"cpf "r ctvewrvg"o cwtg'RCT"3629" cr r rkgu"qpn{"q"lckkkkgu"o gmkpi "o gvcn'eqpvckpki "rguu"vj cp"207" "ej tqo kwo "eqpvgpv"htq" gzco r rkg'cnwo kpwo ."dtcuu."dtqpl g."ectdqp"uvgn" lpe."gve0

RCT"3629"r tqr qugu"q"guvcdriuj "qt"o qf kh{"vj g"hmmy kpi "tgs vktgo gpv'htq"o gvcn'o gmkpi " hckkkkgu"q"o ggv#

30 Rqmwkqp"eqpvtqri'ghlegpe{" cpf "r qmwkqp"o cuu"go kuukp"rko ku"lckkkkgu"qpn{" tgs vktgf "q"o ggv'qpg#

40 Go kuukp"eqpvtqri'gxleg"o qpkqtkpi "tgs vktgo gpv"gd 0dci "rgcmf gvevqp"u{vgo u." r tguuwtg'i cwi gu."uo qng'vguu."gve0#

50 Dwkf kpi "gpmquwtgu"gd 0y cmu."qxtgr r kpi "r mule"utkr "ewtckpu."tqm/wr "f qqtu#

60 J qwugnggr kpi " "gd 0'eqxgtgf "eqpvckpgtu"htq"o gvcn'eqpvckpki "o cwtkcn' uqtcg g." cff kkpqcn'ergcpkpi "ctqwpf "htpceg"cpf "ecukpi "qr gtcvqpu."gve0#

70 Uqwtg"vukpi "q"xgtkh{"hckkkkgu"o ggv'r qmwkqp"eqpvtqri'ghlegpe{"tgs vktgo gpv'qt" o cuu"go kuukp"rko ku#cpf "

80 Tgeqtf nggr kpi 0

RCT"3629"r tqr qugu"q"o qf kh{"ugxgtcn'gzgo r vqpu."o ckpn{"vj g"o gvcn'qt"cmq{"r wtkv{"o" gzgo r vqpu" cpf "vj g"o ergcp"cnwo kpwo "ueter o"gzgo r vqpu'Vj g"o gvcn'qt"cmq{"r wtkv{"o" gzgo r vqpu"o qf hckkkkgu"y qwf "cr r nq"qpn{"q"lckkkkgu'r tqeguukpi "uo cmgt"co qvpw'qh'pqp/ ej tqo kwo "o gvcn'y j kg'vj g"o ergcp"cnwo kpwo "ueter o"gzgo r vqpu"y qwf "gpf "uvtvki "Lcpwct {" 3."42430

"

## LEGISLATIVE MANDATES

"

Vj g'igi cnlo cpf cvgu'fktgevn{"tgrvfg "q"vj g"cuuguu gpv'qh'vj g'r tqr qugf "co gpf gf "twg"lpenf g" Uqwj "Eqcu'CS O F "I qxgtplki "Dqctf "tguqnwkp"cpf "xctkqu"ugevqpu"qh'vj g"Ecrlhtpkl" J gcmj "(" "Uchgv{"Eqf g0

"

### South Coast AQMD Governing Board Resolutions

"

Qp"O ctej "39."3; ; ; "vj g"Uqwj "Eqcu'CS O F "I qxgtplki "Dqctf "cfqr vgf "c"tguqnwkp"vj cv" ecmu'htq"cp"geqpqo le"cpn{"uku'qh'tgi wrcvt {"lo r cew'vj cv'lpenf gu"vj g"hmmy kpi "grgo gpv#

"

- Chhgevgf "lpf wutkgu"
- Tcpi g"qh'r tqdcdrg"equu"
- Equvghhgevkxgpguu"qh'eqvtqn'cngtpcvkxgu"
- Rwdrke"j gcmj "dgpghku"

"

### Health & Safety Code Requirements

Vj g"ucvg"rgi kurcwtg"cf qr vgf "rgi kurcvkp"vj cv'tgkphqtegu"cpf "gzc pcf u"vj g"t qxgtpkpi "Dqctf" tguqnwkqpu" hqt" uqekqgeqpqo le" ko r cev' cuuguuo gpvu' J gcmj "cpf" Uchgv{ "Eqf g" ugevkqpu" 626620 \*c+"cpf "d+. "y j kej "dgeco g"ghhgevkxg"qp"Lcpwct{"3."3; ; 3."tgs vktg"uqekqgeqpqo le" cpcn{uku'dg'r tgr ctgf "hqt"cp{"r tqr qugf "twrg"qt"twrg"co gpf o gpv'vj cv\$y knluki pkhcepvn{ "chhgev" ckt"s wcrkv{ "qt"go kuukqpu'iko kcvkqpu\$""

"

Ur gekhcecm{ ."y j g"ueqr g"qh'vj g"cpn{uku'uj qwf "kpenmf g<"

"

- V{r g"qh'chhgevgf "lpf wutkgu"
- Ko r cev'qp"go r m{ o gpv'cpf "vj g"tgi kpcn'geqpqo { "
- Tcpi g"qh'r tqdcdrg"equu."kpenmf kpi "vj qug"vq"lpf wut{ "
- Cxckrdkx{ "cpf "equvghhgevkxgpguu"qh'cngtpcvkxgu"vq"vj g"twrg"
- Go kuukqp"tgf wevkqp"r qvvpkcn"
- P geguuk{ "qh'cf qr vki . "co gpf kpi "qt"tgr gcnkpi "vj g"twrg"kp"qtf gt "vq"cwckp"ucvg"cpf "hgf gcn{ co dkgpv'ckt"s wcrkv{ "ucpf ctf u"

"

J gcmj "cpf" Uchgv{ "Eqf g" ugevkqp"6294: 07."y j kej "dgeco g"ghhgevkxg"qp"Lcpwct{"3."3; ; 4." tgs vktgu"vj g"Uqwj "Eqcu'CS OF "I qxgtpkpi "Dqctf"vq"cevkgxgn{ "eqpukf gt"vj g"uqekqgeqpqo le" ko r cev'qh'tgi wcrvqpu"cpf "o cng"ci qqf "hckj "ghhqt"vq"o kpk k g"cf xgtug"uqekqgeqpqo le" ko r cev'0'K'cnuq" gzc pcf u"uqekqgeqpqo le" ko r cev' cuuguuo gpvu"vq" kpenmf g"uo cm' dwukpguu" ko r cev."ur gekhcecm{ <"

"

- V{r g"qh'lpf wutkgu"qt"dwukpguu"chhgevgf ."kpenmf kpi "uo cm'dwukpguugu"
- Tcpi g"qh'r tqdcdrg"equu."kpenmf kpi "equu"vq"lpf wut{ "qt"dwukpguu."kpenmf kpi "uo cm' dwukpguu"

"

Hkpcmf{."J gcmj "cpf" Uchgv{ "Eqf g" ugevkqp"62; 4208."y j kej "dgeco g"ghhgevkxg"qp"Lcpwct{"3." 3; ; 8." tgs vktgu" kpetgo gpvn' equvghhgevkxgpguu" dg" r gthqto gf "hqt" c" r tqr qugf "twrg" qt" co gpf o gpv'vj cv'ko r qugu" Dguv' Cxckrdrg" Tgtqhk'Eqvtqn' Vgej pqrqi { "qt" òcm' hgcukdrg" o gcuwtguò'tgs vktgo gpv'tgrvki "vq"q| qpg."ectdqp"o qpqz kf g"EQ+."qz kf gu"qh'uwrhw" \*UQz+." qz kf gu"qh'pktqi gp\*P Qz+."cpf "vj gkt"r tgewtuqtu0"

"

Vj ku"ucwvg" f qgu"pqv'cr r n{ "vq"RCT"3629"cu"kv'cf f tguugu"vqz le" r qmwcpwu."pqv'etkgtlc" r qmwcpwu'rkuvf "kp"vj g"ucwvg'0'Ot gqxtg."equvghhgevkxgpguu"kp"vgtu u"qh'f qmctu'r gt"vq"ku" pqv'o gcplki hwi'hqt'tkum/dcugf "tgi wcrvqpu."ulpeg"o cp{ "qj gt" hcevqtu"dgukf gu"vj g"co qwpv'qh" r qmwkqp"chhgev"vj g'tkumwej "cu"vj g"vqz le" r qvpe{ "cpf "vj g'rqecvkp"qh'tgegr vqtu0"

## AFFECTED INDUSTRIES/FACILITIES

### Affected Industries and Industry Profile

RCT"3629"eqxgtu"pqp/eq tgo kwo "o gvcn'o gmkpi "qr gtcvkqpu"y j lej "go k'ctugple."ecf o kwo ." cpf "plengn/Gzco r ngu"qh"v j g"q"qr gtcvkqpu"ctg"uo gmkpi ."vppkpi ."i cncpkl kpi ."cpf "qv j gt" o kuegmcpqgwu"r tqeguugu"y j gtg"pqp/eq tgo kwo "o gvcn."uwej "cu"cnwo kpwo ."dtcuu."dtqpl g." ectdqp"uvgn"cpf"l kpe."ctg"r tqeguugf "kp"o qngp"hgto 0"

RCT"3629"cnq"eqxgtu"v j tgg"hcckkkgu"kp"v j g"cgqtur ceg"kp f wut { 0Ukpeg"v j g"hcckkkgu"ctg" gzt gev f "v"kpewt"tgrvkg"gn{ "uo cm'equu"tgrvkg"v"q"o gvcn'o gmkpi "qr gtcvkqpu."v j g{"ctg"pqv" kpenmf gf "kp"v j g"kp f wut { "r tqhkg"v"nng"r "k'tgr tguvkvkg"v"v j g"o clqtkv{"qh"RCT"3629" r qvvpkcm{ "chgevgf" "kp f wutkgu" Vj g" gzt gev f " RCT" 3629" equu" l tgo " v j g"cgqtur ceg" hcckkkgu"ctg"lvmkpenmf gf "kp"v j g"RCT"3629"qvcrlequv'ecrewrkvpu"y j lej "hmqy "v j g"kp f wut { " r tqhkg0"

Cr r tqzko cvgn{ "79"o gvcn'o gmkpi "hcckkkgu"ctg" gzt gev f "v"dg"r qvvpkcm{ "chgevgf" d{ "RCT" 36290Cm'dw"qpg"qh"v j g"r qvvpkcm{ "chgevgf" o gvcn'o gmkpi "hcckkkgu"ctg"em'ukkgf "cu'dgkpi " kp"v j g"r tko ct { "o gvcn'o cpwcewtkpi "kp f wut { "PCBU"553+0"Vcdng"3"rkuv"v j g"kp f wutkgu" y j lej "eqpckp" hcckkkgu"r qvvpkcm{ "chgevgf" d{ " RCT" 3629." gcej " kp f wut { au" gzt gev f " pwo dgt"qh"hcckkkgu"r qvvpkcm{ "uwdlgev"v"RCT"3629."cpf "qvcrpwo dgt"qh"hcckkkgu"kp" gcej " kp f wut { 0"Cr r tqzko cvgn{ "56" "qh"cm"hcckkkgu"kp"v j g"r qvvpkcm{ "chgevgf" "kp f wutkgu"ctg" gzt gev f "v"dg"chgevgf" d{ "RCT"36290"

**Table 1: PAR 1407 Potentially Affected Metal Melting Facilities and Regional Industry Comparison**

NAICS	Industry description	Potentially affected facilities	Total facilities	Percent of facilities potentially affected by PAR 1407
553443"	Tqmgf "Uygn"Uj cr g'O cpwcewtkpi "	3"	36"	9' "
553444"	Uygn"Y kg" F tcy kpi "	5"	35"	45' "
553536"	Ugeqpf ct { "Uo gmkpi "cpf "Cmq { kpi "qh" Cno kpwo "	7"	: "	85' "
553733"	Kqp"Hqwpf tkgu"	8"	38"	5: ' "
553735"	Uygn"Hqwpf tkgu"gzegr v"Kpxguo gpv"	3"	44"	7' "
553745"	P qphgttqwu"O gvcn" F kg/Ecukpi "Hqwpf tkgu"	35"	43"	84' "
553746"	Cno kpwo "Hqwpf tkgu"gzegr v" F kg/Ecukpi +"	47"	52"	: 5' "
55374; "	Qv j gt "P qphgttqwu"O gvcn"Hqwpf tkgu"gzegr v" F kg/Ecukpi +"	4"	37"	35' "
554333"	Kqp"cpf "Uygn"Hqti kpi "	3"	46"	6' "
<b>TOTAL</b>		<b>57</b>	<b>161</b>	<b>35%</b>

P qv<F cvc"qp"qvcrlequv'guko cvgf "cpf"r tqxkf gf "d{ "Geqpqo le"O qf gmkpi "Ur gekrkuv"kvgtpcvkqpcr0"

Qh"v j g"79"RCT"3629"o gvcn'o gmkpi "hcckkkgu"pqv"kp"v j g"cgqtur ceg"kp f wut { "r qvvpkcm{ " chgevgf" d{ "RCT"3629."59"ctg"mcevgf "kp"Nqu"Cpi grgu"NC+"Eqwpv{ ."hqw"kp"Qtcp g"QT+" Eqwpv{ ."hqw"kp"Tkxgtukf g"TX+"Eqwpv{ ."cpf "34"kp"Ucp"Dgtptcf kpq"UD+"Eqwpv{ 0"

\*\*\*\*\*

<sup>3</sup>Rc{ tqmgf "hcckkkgu"ku"guko cvgf "cpf"r tqxkf gf "d{ "Geqpqo le"O qf gmkpi "Ur gekrkuv"kvgtpcvkqpcr"GO UK: " ceeguugf "Lxpg"49v."423; ."j wr u"dy y v Geqpqo leo qf gmkpi Qgo 10Vj ku"fcv"r tguvvgf "j gtg"tgrkgu"qp"r c{ tqm" lphqto cvkq"r tqxkf gf "d{ "hcckkkgu"hg"v j g"UUDwtgcw"qh"Ncdqt "Ucvkneuv"Swctvgn{ "Egpuu"qh"Go r mq{ o gpv" cpf "Y ci gu0"

Cmj qwi j "geqpqo le" lphqto cvkqp"cdqw"ur gekhke"RCT"3629"r qvgpvkcm{"chhgevff"o gvcn' o gmkpi "hcekkkku"ku"wpckckrdng."geqpqo le"lphqto cvkqp"cdqw"y j g'dtqcf gt"lpf wutlgu"y j lej " lpenwf g"y j g"ug"lphqto cvkqp"cdqw"4'r t gupw'u"423: "geqpqo le"r tqhkg"qh'y j g'o gvcn' o gmkpi "lpf wutlgu"r qvgpvkcm{"chhgevff"d{"RCT"3629"mcevgf"lp"NC."QT."TX."cpf"UD" eqwpvku0Vj g"ug"lpf wutlgu"eqpukuv"qh"cdqw"382"lphqto cvkqp"cdqw"y j lej "gctp"cp"cxgtci g" cppwcn'tgxgpwg"qh"cdqw"&40 "o kkkqp0Vj g"ug"lpf wutlgu"go r mq{"cdqw"7.772"go r mq{ ggu=" go r mq{ ggu"y j lej "gctp"cp"cxgtci g"cppwcn'ucmrt {"qh"cdqw"& 2.2220'

Table 2: PAR 1407 Potentially Affected Industries Industry Profile

Key statistics of PAR 1407 potentially affected industries in 2018 in LA, OR, RV, and SB counties	
Crrrtqzko cvg"P wo dgt"qh"Hcekkkku"	383"
Crrrtqzko cvg"P wo dgt"qh"Go r mq{ ggu"	7.766"
Crrrtqzko cvg"Cxgtci g"P wo dgt"qh"Go r mq{ ggu"r gt"Hcekkk{"	56"
Crrrtqzko cvg"Cppwcn'Cxgtci g"Ucmrt {"r gt"Go r mq{ gg"	&9; .68: "
Crrrtqzko cvg"Cppwcn'Cxgtci g'Tgxgpwg'r gt"Hcekkk{"	&4.987.: 44"

P qvg<F cvc"guvko cvgf"cpf"r tqxkf gf"d{"Geqpqo le"O qf gmkpi "Ur gekckku"lphqto cvkqp"cdqw"y j g'g'zvgpv"q"y j lej "cp"lpf wutlgu{"ecp"dgct"cf f kkkqpckn'equu"qh" tgi wckvqp"y j g'q w'wduvckn'pki cvkxg"eqpugs vgegu0F gvgto klpki "hpcpeckn'uweegu"qh"cp" lpf wutlgu{"tgs wckvqp"lphqto cvkqp"qp"lpf wutlgu{"r tqhkg"lpf wutlgu{"r tqhkg"ku"wpnpqy p"q"Uqwj "Eqcu" CS OF "uclh"j qy gxgt"lphqto cvkqp"ku"cxckckrdng"cdqw"j kxqtkecn'go r mq{o gpv"qh"RCT"3629" r qvgpvkcm{"chhgevff"lpf wutlgu0"

J cxlpi "cp"wpf gtucpf lpi "qh"y j gvj gt"cp"lpf wutlgu{"ku"i tqy lpi "qt"f genkpi "ecp"r tqxkf g" cf f kkkqpckn'lphqto cvkqp"cdqw"y j g'g'zvgpv"q"y j lej "cp"lpf wutlgu{"ecp"dgct"cf f kkkqpckn'equu"qh" tgi wckvqp"y j g'q w'wduvckn'pki cvkxg"eqpugs vgegu0F gvgto klpki "hpcpeckn'uweegu"qh"cp" lpf wutlgu{"tgs wckvqp"lphqto cvkqp"qp"lpf wutlgu{"r tqhkg"lpf wutlgu{"r tqhkg"ku"wpnpqy p"q"Uqwj "Eqcu" CS OF "uclh"j qy gxgt"lphqto cvkqp"ku"cxckckrdng"cdqw"j kxqtkecn'go r mq{o gpv"qh"RCT"3629" r qvgpvkcm{"chhgevff"lpf wutlgu0"

Cu"kmwutcvgf"d{"Hki wtg"3."vqcn'go r mq{o gpv"lp"NC."QT."TX."cpf"UD"eqwpvku"lp"y j g" lpf wutlgu"r qvgpvkcm{"chhgevff"d{"RCT"3629"y cu"ctqwpf"7.972"lp"422; . "cpf"y cu"ctqwpf" 7.772"lp"423: 0Vj ku"lpf lcvgu"cdqw"lhw'r gtegpvtgf wckvqp"lp"go r mq{o gpv"lp"y j g'lpf wutlgu" r qvgpvkcm{"chhgevff"d{"RCT"3629"lhw'r "422; /423: . "y j kkg"y j gtg"j cu"dggp"c"35"r gtegpv" tgf wckvqp"lhw'r y j g'uco g'lpf wutlgu"y j tqwi j qw'cm'qh'Ecnhqtck0'

lpf wutlgu"r qvgpvkcm{"chhgevff"d{"RCT"3629"qp"cxgtci g"go r mq{"o qtg"o gp="o gp"ceeqwpv" hqt"cr r tqzko cvgn": 2"r gtegpv"cpf"y qo gp"42"r gtegpv"qh'y j g'kt"y qtnhqtg0Cu"kmwutcvgf"d{" Hki wtg"4."y j g"ug"lpf wutlgu"qp"cxgtci g"go r mq{"o qtg"J kur cple lncvqp"lpf kxkf wcu."y j kkg"87" r gtegpv"qh'y j g'qtnhqtg"J kur cple lncvqp."46"r gtegpv"Y j kkg."ugxgp'r gtegpv"Cu"lpf"y j tgg" r gtegpv"Dr emlChkcp"Co gtlecp0'

"

"

"

"

Figure 1: PAR 1407 Potentially Affected Industries Employment 2009-2018

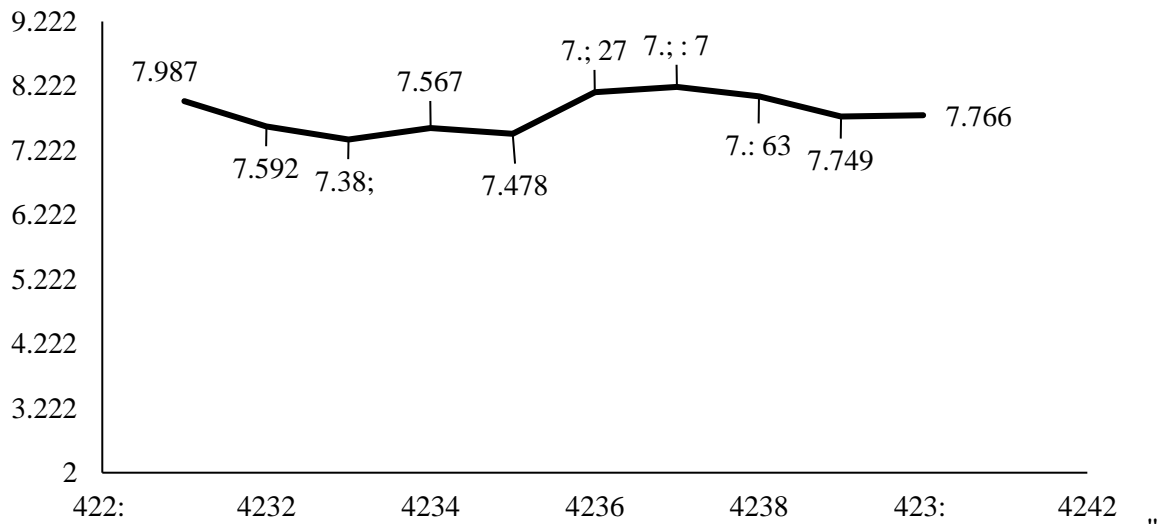
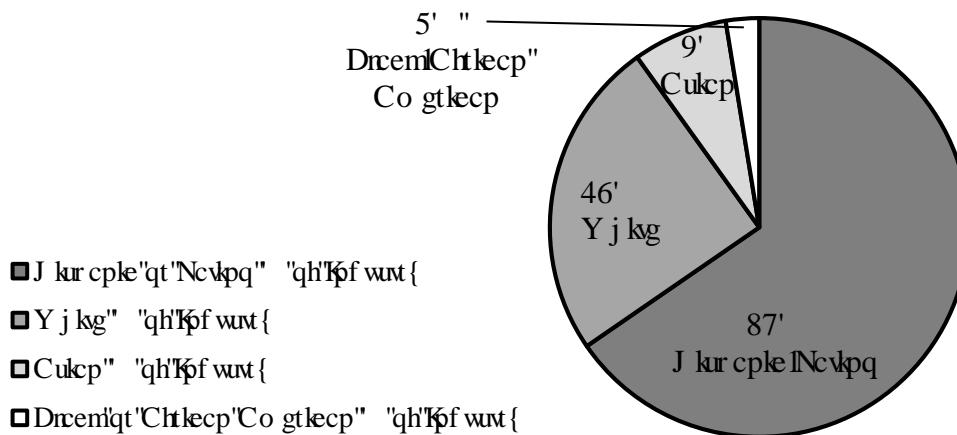


Figure 2: PAR 1407 Potentially Affected Industries Employment Ethnicity Distribution



### Small Businesses

Uqwj "Eqcu"CS OF "f ghkpgu"cu cm'dwukpgu"kp"Twrg"324"cu"qpg"y j lej "go r mq"u"32"qt" hgy gt"r gtuqpu"cpf "y j lej "gctpu"ngu"y cp"&722.222"kp"i tquu"cppwcn'tgegkr uo"Uqwj "Eqcu"CS OF "cnuq"f ghkpgu"duo cm'dwukpgu"ht"y j g'r wtr qug"qh's wcnh{ kpi "hqt"ceegui"q"ugt xlegu"htqo "y j g"Uqwj "Eqcu"CS OF "Uo cm'Dwukpgu"Cuukucpeg"Qhleg"cu"cu"dwukpgu"y kj "cp"cppwcn'tgegkr v'qh"&7"o knkqp"qt"ngu"qt"y kj "322"qt"hgy gt"go r mq"gguo"

WUO"Uo cm'Dwukpgu"Cfo kpkucvqp"\*UDC+"f ghkpkpu"qh"uo cm'dwukpgu"uct{"d{"ukz/f ki k'P qtj "Co gtlecp" kpf wutkcn'Ercuuklecukp"U{ungo "P C K E U"eqf g0 Hqt"RCT"3629"r qvpgkcmf "chgevgf"kp f wutkgu."c"ht o "ku"eqpukf gtgf "c"duo cm'dwukpgu"u"u"UDC"kh'k'j cu"wpf gt"cu"egt vcp"pwo dgt"qh"go r mq"ggu."y j lej "ku"kungf "kp"Vcdng"50"

<sup>4</sup>Vj g"rvgu"UDC"f ghkpkpu"qh"uo cm'dwukpgu"u"u"kp f wut{"ecp"dg"tqwpf "cv'y j g'hqmy kpi "y gdukg<"  
[j wr <4y y y 0dc0 qx leqpgpvcdng/uo cm/dwukpgu/uk g/ucpf ctf u'](#)

**Table 3: PAR 1407 Potentially Affected Industries U.S. Small Business Administration (SBA) Small Business Classification "**

Employee Range	NAICS (Industry Description)
≤"722"	553735"UggnHqwpf tkgu"gzegr vFkxguo gpv++." 553745"P qphgttqwu'O gvcnF kg/Ecukpi "Hqwpf tkgu+." 553746"Cmwo kpwo "Hqwpf tkgu"gzegr vF kg/Ecukpi ++." 55374; "Qvj gt "P qphgttqwu'O gvcnHqwpf tkgu"gzegr vF kg/Ecukpi ++"
≤"972"	553536"Ugeqpf ct { "Uo gmkpi "cpf "Cmq {kpi "qh"Cmwo kpwo +." 554333"Kqp"cpf "UggnHqti kpi +"
≤"3.222"	553443"UggnUj cr g'O cpwhcewtkpi +." 553444"UggnY ktg'F tcy kpi +." 553733"Kqp "Hqwpf tkgu+"

Kp"cf f kkkp"vq"Uqwj "Eqcu"CS O F "cpf "UDC"u'f ghkpkqp"qh'c"uo cm'dwulpguu."y j g"hgf gtcn' Engcp"CKt"Cev"Co gpf o gpw"ECCC+qh3; ; 2"enu'r tqxf gu'c'f ghkpkqp"qh'c"uo cm'dwulpguu' Vj g"ECCC"enukkgu"cu'c"\$uo cm'dwulpguu'ucvqpc { "uqwtg\$kh'k<"3+go r m { u" 322"qt"hy gt"go r m { gg. "4+go ku'ngu'y cp"32"vpu'r gt" { gct"qh'cp { "ukpi rg'r qmwcpv"cpf " rgu'y cp"42"vpu'r gt" { gct"qh'cm'r qmwcpw. "cpf "5+ku'c"uo cm'dwulpguu'cu'f ghkpgf "wpf gt"y j g" hgf gtcn'Uo cm'Dwulpguu'Cev"37"UUE0Uge0853."gvugs 00"

Tgxgpwg" cpf " go r m { gg" f cvc" htqo " y j g" F wp" cpf " Dtcf utggv' Gpvgtr tkg" F cvdcug" y cu' cxckrdrg" hqt" cm' RCT" 3629" r qvgpvcml " chgevgf " hckkkkgu' Vj g" pwo dgt" qh' hckkkkgu" r qvgpvcml "chgevgf "d { "RCT"3629"y cv'tg"enukkgf "cu'uo cm'dwulpguugu"cpf "enukkgcvcqp" f ghkpkqp"ctg'rkvgf "kp"Vcdrg"6"dgmy <"

**Table 4: PAR 1407 Potentially Affected Facilities Small Business Tabulation "**

Small Business Definition	# Small Businesses
Uqwj "Eqcu"CS O F "Twr"324+ "	: "qw"qh'79"
Uqwj "Eqcu"CS O F "Uo cm'Dwulpguu" Cuukxcpeg"Qhheg+ "	68"qw"qh'79"
WU0Uo cm'Dwulpguu"Cf o kpkntcvkp "UDC+ "	79"qw"qh'79"
3; ; 2"Engcp"CKt"Cev"Co gpf o gpw"ECCC+ "	64"qw"qh'79"

## COMPLIANCE COSTS

### Methods and Sources of Data

#### Analysis Timeframe

Vq"guvko cvg'o gcplpi hwn'equu'cuuqekcvf "y kj "cp { "twrg."qpg'o wuv'f gekf g"qp"c'tgrgxcpv'ko g" j qtk qp"qxgt"y j kej "vq"guvko cvg'y j g'twrgu'equu'Vj ku'cpcn { uku'eqpukf gt'u'y g'equ'qh'y ku'twrg." RCT"3629."htqo "423; /42620Vj ku'ko ghtco g"ku'eqpukf gtgf "cu'uqo g'hckkkkgu"ctg"gzr gevfg " vq"kpucm'dwul kpi "gpenquwt gu'f wg'vq"RCT"3629"d { "Lwn { "3w."4242."cpf "y qug"gpenquwt gu'ctg" gzr gevfg "vq"j cxg"42/ { gct"rkkg"gzr gevcp { 0"

5"Cpcn { uku'ko ghtco g'ej qugp"vq"gpwt g'equ'cpf "lqd"guvko cvgu'ctg"gcukn { "eqo r ctdrg0Lqdu'ctg"guvko cvgf "vq" dg'cf f gf "f wg'vq"kpucm'cvqp"qh'eqpvtqn'gs wkr o gpv0Gpf kpi "y j g'cpcn { uku'ko ghtco g'dghgtg"kpucm'cvqp"qh'twrg/ kpf wegf "eqpvtqn'gs wkr o gpv'qeeuw'c'ugeqpf "ko g'y qwf "wpf gt guvko cvg'htq qp'gi kpcn'lqdu'f wg'vq"twrg" cf qr vqp0"



"

*One-Time and Recurring Costs*

Vj g'o clp"tgs wkt go gpw"qh"RCT"3629"y j lej "j cxg"equu"ko r ceu"ht"r qvpgkcm" chgevgf " hceklkgu"ecp"dg"ur rk"lpvq"y q"ecvgi qtkgu<öqpg/vko g"equu.ö"y j lej "ctg"rti gt"gzr gpugu" ugrf qo "qeewtlpi "gü 0'qpeg"gxgt {"32" { gctu+ "cpf "ötgewtlpi "equu.ö"y j lej "ctg"uo cmgt" gzr gpugu"htgs wgpwn{"qeewtlpi "gü 0'cppwcm{."y keg" c" { gct."qpeg"gxgt {"hkg" { gctu+0"Vj g" qpg/vko g"equu"qh"RCT"3629"lpenmf g"ecr kcn'cpf "lpucmckqp"equu"ht"dcj j qwugu."dwlk lpi " gperquwtgu."cpf "eqpvkpwqu"r tguwtg"o qpksqt lpi "u{ uvgu u0'Cppwcn'tgewtlpi "equu"qh"RCT" 3629" lpenmf g" j qwugngr lpi " \*gü 0' engcplpi " qr gtcvkqp" ctgcu" qh" hmpcegu" cpf " ecukpi +." dcj j qwug"qr gtcvkpi "equu"\*gü 0'gngvtekv{ +."o qpksqt lpi "gü 0'ecrkdtevkpi "eqpvkpwqu"r tguwtg" o qpksqtu"cpf "vgukpi "qh"go kuukpu'eqngevkqp"u{ uvgu u+ "cpf "tgr qtvkpi "gü 0'cf f kkpccnluwteg" cpf "uo qng"vguu+0"

"

*Cost Estimate Sources*

Uchh'wugf "vj g'hmqy lpi "uwtegu"q"guuko cvg"equu"qh"RCT"3629<"

3+ WUOGRC"EqpvtnEqv'O cpwn"q"guuko cvg"qpg/vko g"cpf "tgewtlpi "equu"cuqekcvf " y kj "dcj j qwugu0"

4+ F y { gt"lpwtwo gpw"ht"go kuukpu'eqpvtn'f gxleg"dcj "ngcnf gvevkqp"u{ uvgu u0'

5+ Qo gi c" Gpi kpggt lpi " hqt" go kuukpu" eqpvtn' f gxleg" r tguwtg" i cwi gu" y kj " f cvc" ces wuklqp"u{ uvgu u0'

6+ Uqwj "Eqcu'CS O F "Twg"523"ht"r gto kwkpi "equu"ht"dcj j qwugu0'

7+ Uqwj "Eqcu'CS O F "Twg"3642"cpf "Twg"364204"ht"o clqt"dwlk lpi "gperquwtgu0'

8+ Y OY OI tclpi gt."Kpe0ht"r muke"utkr"ewtclpi."tqm/wr "f qqtu."cpf "cpgo qo gvgtu0'

9+ Cm gi c"Gpxktqpo gpvcn'ht"uwtg"vgukpi 0'

: + Ceewtcvg"Gpxktqpo gpvcn'Ugtxlegu."Kpe0ht"uo qng"vguu0'

; + Pcuueq"Kpe0ht"j qwugngr lpi "hmpcegu"cpf "ecukpi "qr gtcvkqp"ctgc"engcplpi "cpf " urci ly cug"tcpu r qtvt0'

*Cost Estimate Year*

Cm'equu"r tguvgvf "lp"vj ku'tgr qtvt'ctg"guuko cvgf "423; "equu0'Vj g'r gt/vpk'equu"wugf "ht"cp { " gzr gpug"tgs wktgf "htqo "RCT"3629"r cuukpi "ctg"gxj gt"423; "tgr qtvgf "equu."qt"equu"htqo " gctrkt { { gctu'lpwcvf "q"423; "xcnwu'wukpi "vj g'cm'lpf wwt { 'r tqf wegt'r tleg'lpf gz'tgr qtvgf "d { " yj g'EqtgNqi keI 'O ctuj cm{ 'Uy km 'Gs wkr o gpv'Equu"lpf gz \*O ( U'lpf gz +0

"

**Toxins Emissions Point Source Controls (Baghouses)**

RCT" 3629" tgs wktgu"cm"ctugple."ecf o kwo ." cpf " plengn" go kuukpu" htqo " o gvcn' o gmkpi " qr gtcvkqp"q"dg"tgf wegf "d { "c"o kpk wo "qh"; ; "r tgegpvt"j cxg"o cuu"go kuukpu"dgmy "vj g" hmqy lpi "rko ku"d { "Lcpwct { "3."4243<2022288"r qwpf u'r gt"j qwt"ht"ctugple."2022736" r qwpf u'r gt"j qwt"ht"ecf o kwo ."cpf "2022: 6: "r qwpf u'r gt"j qwt"ht"plengn0'

\*\*\*\*\*

6"C'twgu'öqpg/vko g"equu"ö"ctg"gzr gevgf "q"j cxg"t'kgevequu"\*gü 0'gs wkr o gpv."lpucmckqp."gpi kpggt lpi ".gve0t." cu'y gmf'cu'lpf kgevequu"htqo "pqv'wukpi "vj g'tguwtgu"t'gxvgf "q"t'kgevequu"ht"qj gt"lpwguo gpw0D { " f kkl lpi "wr "equu"lpq'öqpg/vko gö'cpf "ötgewtlpi ö'equu."vj g'qr r qtwpk { "equu"qh'htu'lpwguo gpv'xcnw'ku" guuko cvgf "cpf "lpenmf gf "lpvq"vj g'vcn'equu"qh'vj ku'twrg"ht"equu"encuklhf "cu'öqpg/vko gö'equu0'

7"WUOGRC"Clk'Rqmwkqp"EqpvtnEqv'O cpwn"Ukz j "Gf kkp"

\*j [wr u d l y y 50r c d q x l w p e v 3 f k 3 l e a c m e j u t f h 0](#)

"

O cp{ "hcekkkgu" ctg" gZR gevfg "vq" citgcf { "o ggv" vj g" cdqXg" r qmwkqp" ghhekgpe { "qt" o cuu" go kuukqp" rko ku" cpf "r tqXg" vj ku" vj tqwi j "c" uqwtæg" vgu0' hcekkkgu" y j lej "f q" pqv' citgcf { "o ggv" vj g" cdqXg" r qmwkqp" ghhekgpe { "qt" o cuu" go kuukqp" rko ku" ctg" gZR gevfg "vq" lpuvcm' r qlpv' uqwtæg" go kuukqp" eqpvtqni. pco gr{ "dci j qwugu0"

"

Qh' vj g" 82" r qvgpvkcm{ "chhgevfg" hcekkkgu. "uchh" gZR gew' hqwt' hcekkkgu" vq" lpuvcm' c" vqwn' qh' 32" pgy "dci j qwugu" vq" eqo r n{ "y kj "RCT" 36290' I kXgp" c" mcm' qh' xgpf qt" s vqvgu" cpf "hcekkk{ " ur gekhe' lphqto cvkqp. "uchh" guko cvgu' cxgtci g" dci j qwug' qpg/ vko g" cpf "t gewt lki" equu' hqt" cm' pgy "dci j qwugu" wulpi "vj g" WUOGRC æ' Eqpvtqn' Equv' O cpwcnf" "

"

Uchh' guko cvgu' dci j qwugu' lpuvcmf "vq" eqo r n{ "y kj "RCT" 3629" vq" equv' &478.222" gcej "hqt" r wtej cug' cpf "lpuvcm' vqp. 9" cmqi "y kj "&497.222" cppwcm{ "hqt" qr gtcvqp" cpf "o clpvpcpeg" qh' gcej "dci j qwugu0" l{ "vqwn' RCT" 3629" ku" gZR gevfg "vq" tguwn' l{ "&4078" o knkqp" l{ "qpg/ vko g' equu' l{ "4243. cmqi "y kj "cp" cf f klkqpcn' &407" o knkqp" cppwcm{ "uvctvpi" l{ "42430"

"

### Bag Leak Detection Systems and Pressure Gauges with Data Acquisition Systems"

"

RCT" 3629" tgs wktgu' cm' go kuukqp" eqpvtqni f gXlegu' cv' hcekkkgu' lwdlgev' vq" RCT" 3629" vq" qr gtcvq. " ecikdtcvq. " cpf "o clpvclp" c" dci "rgcm' f gvevqp" u{ vgo "DNF U' 0' O qtgXgt. " gcej "go kuukqp" eqpvtqni f gXlegu' ku' tgs wktgf "vq" wug' c" i cwi g" vq" eqpvkpwqwnu' "o qpkqt" vj g' r tguwtg' f tqr "cetquu" vj g" go kuukqp" eqpvtqni f gXlegu0' Gcej "i cwi g" ku' tgs wktgf "d{ "RCT" 3629" vq" dg" gs wkr r gf "y kj "c" eqpvkpwqwu' f cvc" ces wkuukqp" u{ vgo "F C U" y j lej "y kn' tgeqtf "i cwi g" qwr w' f cvc" cv' rgcu' gXgt { "82" o lpuwgu0' Vj g" i cwi g" tgcflpi "r tqXf gu" cp" lpf lccvqp" qh' y j gvj gt" vj g" hkgtu" ctg" qr gtcvpi " y kj l{ " vj g" r tqr gt" tci g" qh' r tguwtg" f khtgtpvkn' tgeqo o gpf gf " d{ " vj g" o cpwcewtgt" qt" y j gvj gt" vj g{ "o c{ "dg' emi i gf "qt" j cxg' rgcm0"

"

Vq" r tqXf g" c" eqpugtXcvXg" guko cvg" qh' vj ku' equv' qh' RCT" 3629. " gcej "pgy" cpf "gz kvlpi" dci j qwug' ku' cuuwo gf "vq" pggf "c" pgy "DNF U" cpf "r tguwtg" i cwi g' y kj "c" F C U0' l{ "cf f klkq" vq" vj g" 32" pgy "dci j qwugu" uchh' guko cvgu' vq" dg' lpuvcmf "f w' vq" RCT" 3629. " uchh' cnuq" guko cvgu' hcekkkgu" r qvgpvkcm{ "chhgevfg" d{ "RCT" 3629" j cxg" 3: "gz kvlpi" dci j qwugu0' Vj gtghqtg. " uchh"

\*\*\*\*\*

<sup>8</sup> Equv' r gt' us wctg' hqv' guko cvgu' eqo g' htqo "vj g" WUOGRC "Ck' Rqmwwqp' Eqpvtqn' Equv' O cpwcn' y kj "equu" lphrcvfg "vq" 423; "xcmgu' wulpi "vj g' EqtgNqi l{ "O ctuj cm{ "Uy km "Gs wkr o gpv' Equv' lpf gz "O ( "U lpf gz 0"

<sup>9</sup> "Cuwo r vqpu' o cf g' vq" f gtxg' vj ku' guko cvg' ctg' vj g' hqmjy lpi < "Dci j qwug' r wtej cugf "cpf "lpuvcmf "j cu' r wug/ lgv' hkgtu' wulpi "c" eqo o qp' j qwulpi = dci u' j cxg' c' o czko wo "i tqur' emjy "ctgc' qh' 6.222" us wctg' hggv' dci u' j cxg" f lco gvg' qh' 60 97' lpej gu' cpf "ku' o cf g' qh' pqo gz "0' tguwn' l{ "l{ "c" dci "equv' qh' & 0 ; l{ us wctg' hqv' dci u' wug" r wug' lgv' ctv' f i g' engcplpi "f kuewukqp" y kj "F qpcrf uqp' Vqtlf "cpf "Uqwj "Eqcu' CS O F "uqwtæg/ vgu' l{ "uchh" xgtklgf "vj ku' ku' vj g' o quv' eqo o qp' v' r g' qh' dci j qwug' wugf "d{ "o gvcn' o gnkpi "hcekkkgu" = ucrgu' cz' cuuwo gf "vq" dg"; " . "cu' o quv' ekkgu' l{ "Uqwj "Eqcu' CS O F "lwtkf lcvqp' j cxg' ucrgu' cz' tcvgu' ctqwpf "vj ku' xcnv' "tci g' htqo " 907' "vq" 32047' . " j wru dly y y 0 f vlc 0 c0 qX hczgu/ cpf / hggu Ctej kXgT cvgu/ 26/ 23/ 3; / 28/ 52/ 3; 0 f h0 Vj ku' guko cvgu' cf f klkpcmf "cuuwo gu' c" Uqwj "Eqcu' CS O F "dci j qwug' r gto k' hgg' qh' & 7. ; 22. "y j lej "ku' vj g' j ki j guv' equv' r gto k' hgg' hqt" dci j qwugu' y j lej "qr gtcvq' cv' go r gtcwtgu' dgmjy "572' f gi tggu' Hcj tgpj gk0"

"Cuwo r vqpu' o cf g' vq" f gtxg' vj ku' guko cvg. "qp' vq' qh' vj qug' o cf g' hqt" vj g' r wtej cug' cpf "lpuvcm' vqp" equv' guko cvg. "ctg' vj g' hqmjy lpi < "Uchh' cxgtci g' y ci g' tcvq' qh' & 62 l{ qwt= eqo r rgv' dci "tgr mrego gpv' gXgt { "y q" { gctu= c' f kueqwpv' l{ gcn' l{ pvg' tcvq' qh' 6' = eqo r rgv' dci j qwug' tgr mrego gpv' gXgt { "42" { gctu' tgeqo o gpf gf "d{ " WUOGRC "Ck' Rqmwwqp' Eqpvtqn' Equv' O cpwcn' Ej cr vgt' 8. "lwdugevqp" 3070' + cpf "cp" lpf wv' kn' g' g' v' l{ " r tleg' qh' & 203 l{ hqmjy cwj qwt "WUOGpgti { "lphqto cvkqp" Cf o lpuv' cvkqp' æ' G' g' v' l{ "Rqy gt' O qpjy n{ "26423; . " j wru dly y y 0 l{ c0 qX lrgv' tleklf lo qpjy n{ lgr o avcdngai tcr j gt0 j r A? gr o va7a8ac 0 Vj ku' guko cvkqp' rgcxgu' qw' cf f klkpcn' qr gtcvpi "o cvgtken' equv' hgm' y cvgt. "cpf "f wv' f kur qucn' cm' qh' y j lej "ctg" gZR gevfg "vq" gXj gt' pqv' qeew' qt" dg' tgrvXgn{ "uo cmf"



gxr gewu<sup>4</sup>: "pgy "dci "hcnlf gvevqp"u{ ugo u"cpf "i cwi gu'y kj "f cve"ces wkukqp"u{ ugo u"vq"dg" r wtej cugf "cpf "kpuvcmgf O"

Gcej "DNF U"ku"cuwo gf "vq"dg"r wtej cugf "kp"cf f kkp"vq"vj g"dcij qwug"kuqh"qp"lcpwct { "3." 4243."y kj "c"qpg/vko g"equvqh"&3.7220 "Uchh"cnuq"cuwo gu'kpuvcmvqp"qh'c"dcij "hcnlf gvevqp" u{ ugo "vq"vcmg"wr "vq"7"j qwtu."vj cv'vj g"kpuvcmvqp"y kn'dg"r gthqto gf "d{ "c"heekkv{au"qy p" uchh"cpf "vj cv'vj g"y ci g"tcvg"tgegkxgf "d{ "c"heekkv{au"qy p"uchh"ku"&62"r gt"j qwt0<sup>2</sup>"Vj wu"vj g" vqcn"qpg/vko g"equvqh"r wtej cuki "cpf "kpuvcmkpi "dci "hcnlf gvevqp"u{ ugo u"vq"vcmg"vq"RCT" 3629"ku"gzr gevfg "vq"dg"&69.822"kp"42430"

Rtguwtg"i cwi gu"y kj "vj g"cdkxv{ "vq"mji "qwr w" f cve"kp"nkp"y kj "RCT" 3629au"FCU" tgs wktgo gpv'ctg"cuwo gf "vq"dg"ctqwpf "&3.422"qp"vj g"j ki j /tcpi g0<sup>3</sup>"Uchh"ci clp"cuwo gu' kpuvcmvqp"vq"vcmg"wr "vq"7"j qwtu."vj cv'kpuvcmvqp"y kn'dg"r gthqto gf "d{ "c"heekkv{au"qy p" uchh"cpf "vj cv'vj g"y ci g"tcvg"tgegkxgf "d{ "c"heekkv{au"qy p"uchh"ku"&62"r gt"j qwt0"Vj wu"geej " heekkv{ "ku"gzr gevfg "vq"r c{ "&3.622"vq"r wtej cug"cpf "kpuvcm"geej "rtguwtg"i cwi gu'y kj "c"FCU." tguwnkpi "kp"vqcnlequvqpg/vko g"equvqh"r wtej cuki "cpf "kpuvcmkpi "rtguwtg"i cwi gu'cpf "f cve" ces wkukqp"u{ ugo u"vq"vcmg"vq"RCT"3629"vq"dg"gzr gevfg "vq"dg"&5; .422"kp"42430"

### Building Enclosures"

RCT"3629"tgs wktgu"pq"nvg"vj cp"lwn{ "3."4242."cp"qy pgt"qt"qr gtcvqt"qh"c"ppq/ ej tqo kwo " o gvcn"o gmkpi "qr gtcvqp"eqpf wv"cm"o gvcn"o gmkpi ."o gvcn"i tkpf kpi ."cpf "o gvcn"ewwki " qr gtcvqp"kp"cdwrf kpi "gperquwtg0"

### Major Building Enclosures"

Uchh"gzr gewu"hw"qh"vj g"82"heekkv{gu"r qvvpkcm{ "chgevgf "d{ "RCT"3629"vq"eqputwv"o clqt" dwrf kpi "gperquwtgu"vq"vcmg"vq"RCT"3629"wr qp"r cuuci g0"O clqt"dwrf kpi "gperquwtgu"gpvckn" c" heekkv{ "eqputwv"kp"qpg"qt"y q'y cmu"vq"hw"n{ "gperqug"vj g"dwrf kpi 0"

J kvqtkcm{ "Uqwj "Eqcu"CS OF "uchh"j cu" wugf "c"hi wtg"qh" &332"r gt"us wctg"hwq"v"hw"t" eqputwv"kp"qh"pgy "vqcn"gpemquwtgu."gf 0"RCT"368; "co gpfgf "423: "+"cpf "RCT"3642" \*co gpfgf "4239+0J qy gxgt."pq"heekkv{gu"chgevgf "d{ "RCT"3629"ctg"gzr gevfg "vq"eqputwv" c" pgy "vqcn"gpemquwtg0"dcugf "qp" f kwewukqp"y kj "heekkv{gu"r qvvpkcm{ "tgs wktkpi "dwrf kpi " ko r tqxgo gpw"y j lej "rtqxkf gf "equv"gu"ko cvgu"hw"t"eqputwv"kp"qpg"y cmf wv"vq"Uqwj "Eqcu" CS OF "Twr"364204"o"Go kukqp"Ucpf ctf u"hw"t"Ngcf "hw"tqo "O gvcn"O gmkpi "heekkv{gu."uchh"

:"j wr <ly y y f y { gt/kuu0eqo lRtqf wvulRtqeguuEqputqnlRct wvurvg/F wuqtDtqngpDci / Vtcpuo kwgtulUgtkuRO V4"ceegugf "9I45B; +0"

<sup>32</sup>"Ceeqtf kpi "vq"GO UKf cve."cxgtci g"cppwcnlucrt{ "cv"RCT"3629"r qvvpkcm{ "chgevgf "heekkv{gu"ku"&9; .68: 0" Cuwo kpi "4.222"j qwtu"qh"y qtnlkp" c" { gct "62"j qwtu"r gt"y ggmlwt "72"y ggmlwt guwu"kp"cp"cxgtci g"j qwtu" y ci g"qh"&62"r gt"j qwt0"

<sup>33</sup>"Ugo g"o qf gnu'ctg'emugt "vq"&822"j wr u<ly y y 0putwo ct0eqo lRtqf wvul65; 96 lo qpctej /vtemk/r tguwtg/ vtcpuo kwgt/f cve/mi i gt."j wr u<ly y y 0putwo ct0eqo lRtqf wvul64297 lo qpctej /vtemk/r tguwtg/f cve/ mi i gt."j wr u<ly y y 0putwo ct0eqo lRtqf wvul654; 7 ly knr/er i 3722/rtguwtg/i cwi g."ceegugf "9B; 423; +." y j kw"uqo g"ctg'emugt "vq"&3.422"j wr u<ly y y 0tpuecv0eqo lhwng/922i 52/hwng/922i 52." j wr u<ly y y 0qo gi c0eqo lgp/wulguqtu/cpf /ugpukpi /gs wkr o gpvlt guwtg/cpf /wtckp lrtguwtg/ i cwi gu'r IF RI 6222."ceegugf "9B; 423; +0"

gunko cygu" c" equv" qh" &3; .722." & 8.722." cpf" &373.722" hqt" uo cm" o gf kwo ." cpf" rti g"  
gperquwt gu't gur ge v k gn (0<sup>34</sup>"

Uqwj 'Eqcu'CS O F 'u'ch'h'g'zr gew'RCT'3629'h'ek'k'kgu'v'q'h'm'lp'y g'r'ti g'u'k'g't'cpi g'y j gp"  
eqo r ctgf 'v'q'Tw'g'36420'h'ek'k'kgu'v'q'w'u'v'ch'h'g'u'ko c'vgu'g'cej 'b clqt'd'w'rf k'pi 'g'p'en'q'w'g'f'w'g'  
v'q'RCT'3629'r cuuci g'v'q'equ'&373.722.'y j kej 'y q'w'f't'g'u'w'v'lp'c'q'p'g'v'ko g'v'q'w'ne'qu'q'h'b clqt"  
d'w'rf k'pi 'g'p'en'q'w'g'f'w'g'v'q'RCT'3629'r cuuci g'q'h'&828.222'd { 'L'w'v' '3.'42420'  
"

*Minor Building Enclosures"*

Uchh'g'zr gew'39"qh'yj g"82"hcekkkgu'r qvqvkcm{ "chgevgf" d{ "RCT"3629"q"eqputwev'o kqqt"  
dwrf kpi "gpenquwtgu" f wg"q"RCT"3629"wr qp"r cuuci g0'Vj k wggp"hcekkkgu"ctg"zr gevgf"vq"  
kpuvcnir nruke'utkr "ewtckpu."y j kg"hwthcekkkgu"ctg"zr gevgf"vq"kpucm'tqm/wr "f qqtu0<sup>5</sup>"  
"

Uchh'g'zr gewu'r wtej cug'cpf 'kpuxm'v'kqp'equw'cuuqek'vgf 'y kj 'r n'uke'utkr 'ewt'v'kpu'q'dg'& " r gt'us wctg'hqgv.<sup>36</sup>'y kj "c"o czko wo 'ctgc'eqxgtgf 'd{'r n'uke'utkr 'ewt'v'kpu'qh'3.222'us wctg' hggv'Vj wu'cp{'hcekk{'g'zr gev'gf 'd{'uchh'v'kpuxm'r n'uke'utkr 'ewt'v'kpu'f'wg'v'q'RCT'3629'ku' g'zr gev'gf 'v'q'r c{'& .222'd{'Lcpwct{'3.'4243.'hqt'c'v'qvcn'equv'qh'r n'uke'utkr 'ewt'v'kpu'f'wg'v'q' RCT'3629'qh'&339.222'd{'Lcpwct{'3.'42430'

Uchh'g'zr gew'r wtej cug"cpf "kpucm'wqp"equw"cuuqek'vgf "y kj "tqm'w'r "f qqtu"vq "dg"&66'r gt "us wctg"lqqv.<sup>37</sup> "y kj "c"o czko wo "ctgc"eqxgtgf "d{"tqm'w'r "f qqtu"qh"3.222"us wctg"hgw'0Vj wu" cp{"hcek'v' "g'zr gew'gf "d{"uchh'vq "kpucm'tqm'w'r "f qqtu"fw'vq "RCT"3629"ku"gzr gew'gf "vq"r c{"

<sup>34</sup>"Xcnwgu'khnrcvg'v'q'423; 'f'qmcu'wukpi 'v' g'TUO gcpu'Egputwewap'Equv'Kpf gz"

\*[wru<ly y y 0uo gcpuqprkgqo lthgtgpegulvpxltgr fhj ek fh="j wru<ly y y 0uo gcpuqeqo lmpf kpi / rci gu423;/tuo gcpu/eqv/kpf gz0ur z."ceegunef'946423; +0'](#)

35) Uch'h' r gthqto g'f "gz vgpukxg'uksg'xkuku'qh'v'j g'hcekrkkgu'r qvqpvcmf' 'ch'gevgf'd' ('RCT'"36290Uch'h'xkukgf' "59"qh' v'j g'82'hcekrkkgu'r qvqpvcmf' 'ch'gevgf'd' ('RCT'"3629. 'cpf' 'f gvgto kpgf' '9'hcekrkkgu'y qwrf' 'tgs wkt g' 'kpuvcmkpi' " r n'vnde' 'ut'kr' 'ew'vclpu'cpf' "5'hcekrkkgu'y qwrf' 'tgs wkt g' 'kpuvcmkpi' 'tqm'w' 'f qqtu'f'wg'v'q'RCT'"36290Vj g'tgo clkpki' " 39'hcekrkkgu'v'gpf' 'q' 'dg'uo cmgt' 'cpf' 'Uqwj' 'Eqcu'CS O F' 'uch'h'f'f' 'pqv'h'kpf' 'ko g'y kj' 'v'j qug'uksgu'q' 'eqo r'ngv' " c'uksg'xkuku'kp'RCT'"3629u't'w'g'f' g'xgnr'o g'pvr' t'qegu'0Vj g'ug'hcekrkkgu'ct'g'g'zr'gevgf' 'q' 'k'pew' 'pq' 'cf'f' k'k'p'cd' ' equu'd'gukf' gu'j' q'wugnggr' kpi' 'cpf' 'r' quukdn' 'o' k'pqt' 'dw'kf' kpi' 'g'penquwt'gu'0Uch'h'g'w'ko' cvgf' 'v'j tgg'qh'v'j g'ug' 'pqp' / xkukgf' 'hcekrkkgu'y qwrf' 'tgs wkt g'r' n'vnde' 'ut'kr' 'ew'vclpu'cpf' 'q'pg' 'hcekrk' 'y qwrf' 'tgs wkt g'tqm'w' 'f qqtu' 'dcugf' 'qp' " v'j g'f' k'ut'kd'w'k'qp'qh'RCT'"3629'hcekrkkgu'd' { 'eqw'v'f' 'cpf' 'v'j g'f' k'ut'kd'w'k'qp'qh'eqp'h'ko g'f' 'o' k'pqt' 'dw'kf' kpi' " g'penquwt'gu' }

361 Ugtej 'hqt'r mwe'ewt'vlp'u'htqo 'I t'cp'i gt'kp'wut'k'n'Uw'r n'f' r'tq'x'f'g'f'c't'cp'i g'qh'equu'hqt'r' mwe'ut'k'r " ewt'vlp'u'\*wr u'dly y y 0 t'cp'i gt'eqo lugtej lo cvgt'k'n'j c'p'f'k'p'i lf qem'gs w'r o g'p'v'ut'k'r /f'g'q'tu't'g'r' m'ego g'p'v' ut'k'r u'c'p'f'j' c't'f'y' c't'g'Aw'? 3( u'aqr' q'w'w' t'w'g' ugtej S wgt'? ewt'vlp'u."ceegug'f' '9'46'423; +0'Vj g'h'y g'u'equu' y cu'83.6590 : 'hqt'36'hggv'd'f'36'hggv'uo q'q'y' 'ut'k'r 'f'g'q'tu'htqo 'VO K'kp'eqtr q'tc'v'g'f' 0'Vj g'j' k'j g'u'equu'y cu' 83.: 720 3'hqt'36'hggv'd'f'36'hggv't'kdd'g'f' 'ut'k'r 'f'g'q'tu'htqo 'VO K'kp'eqtr q'tc'v'g'f' 0'U'q'w'j 'Eqcu'CS O F 'uch'h' g'zr'g'w'RCT'3629'q'p'q'v't'g's w't'g'y' g'o qu'g'zr'g'p'uk'g'g's w'r o g'p'v.'dw'c'w'q't'ge'q'i p'k'g'u'c'uu'q'ek'v'g'f' 'y' k'y " k'p'w'c'w'v'q'p'c't'g'p'q'v'k'p'w'f'g'f' 'k'p'y' g'ug'equu'0'Vj g't'gh't'g'U'q'w'j 'Eqcu'CS O F 'uch'h'cu'w'o g'u'c'r'g't'us'w'et'g'h'q'q'v' ut'k'r 'ewt'vlp'equu'g's w'c'n'q'y' g'c'x'g't'c'i g'qh'y' g'h'y g'u'c'p'f'j' k'j g'u'equu'ewt'vlp'u.'k'g'0& 'r'g't'us'w'et'g'h'q'q'v' \*t'q'w'p'f'g'f' 'w'r +0'

37. Ugtej 'hqt' tqm/wr 'f qqtu' hqo 'I tclpi gt' kpf wut' kci' Uwr r n' 'r tqxk' gf 'c' tclpi g' qh' equw' hqt 'o cpw' c' lej' ckp' j' qkuw' tqm/wr 'f qqtu' <sup>38</sup> wr u' dly y y 0 tclpi gt' eqo' lugtej' lo cvgt' kci' j' cpi' r' kpi' lf qem' gs wkr o g' pvi' c' tci' g' cpi' / f qem' f qqtu' Awu? 3( xaq' r' qw' w' w' g' ugtej' S wgt' ( ? tqm/wr - f qqtu. "ceeguuf '946423; +0Vj' g' ny' guv' equw' y' cu' &5.89; 08' hqt' 36' hggv' d{ '36' hggv' i' c' xcpk' gf 'uggr' tuj' gg' v' f qqtu' hqo 'Co gt' lecp' I' c' tci' g' F' qqt' Uwr r n' 0Vj' g' j' ki' j' guv' equw' y' cu' &5.72708' hqt' 36' hggv' d{ '36' hggv' i' c' xcpk' gf 'uggr' t' qm' kpi' 'ur' v' f qqtu' hqo 'Co gt' lecp' I' c' tci' g' F' qqt' Uwr r n' 0Uqwj' 'Eqcu' CS O F 'uch' h' g' zr' ge' w' RCT' 3629' q' p' q' v' t' s' w' k' g' y' g' b' o' quv' g' zr' gpuk' x' g' s' wkr o g' p' v' dw' c' nq' t' geqi' pk' gu' equw' cuu' qe' k' v' g' y' kj' 'lp' u' c' m' v' k' p' ct' g' p' q' v' l' p' e' w' gf 'lp' y' g' u' g' equw' 0Vj' g' t' gh' t' g' Uqwj' 'Eqcu' CS O F 'uch' h' cuu' w' o' gu' c' r' g' t' s' w' c' t' g' h' q' v' t' qm' w' r' f' qqt' equw' s' w' c' n' v' q' y' g' c' x' g' t' c' i' g' q' h' y' g' ny' guv' c' p' f' j' ki' j' guv' equw' f qqtu. 'k' 0' &66' r' g' t' s' w' c' t' g' h' q' v' t' qm' w' r' f' w' r' +0'

&66.222"d{"Lcpwct{"3."4243."hqt" c"vqcn'equv'qh'tqm'wr" f qqtu'f wg"vq"RCT"3629"qh"&398.222"  
d{"Lcpwct{"3."42430"  
"

### Source Tests

"

RCT"3629"tgs wkt gu"cm'pqp/ej tqo kwo "o gvcn'o gnikpi 'hceklkku'vq'r gthqto "uqwt eg"vgnkpi "qp"  
cm'hwt pcegu"qt" yj gkt "t gur gevkg" go kuukpu"eqpvtqn'f gxlegu"vq"o ggv'gkj gt" yj g"r qmwkqp"  
tgf wevkqp"gh'lekgpe{"tgs wkt go gpv" f #5+"qt" yj g"o cuu'go kuukqp'iko ku'qh" f #6+"d{"Lcpwct{"3."  
42430RCT"3629"tgs wkt gu"vj gug"uqwt eg"vgnkpi"vq'dg't gr gcvgf "gxgt {"82"o qpj u0"  
"

Uchh'ku'wpuwtg"y j lej "o gyj qf "cp{"hceklkku" y km'wug"vq"eqo r n{"y kj "RCT"36290"Vq"gpwtg"  
eqpugt xc'vkg" equv'guko cvkqp."cm'hceklkku"ctg"cuuwo gf "vq"o ggv'vj g"r qmwkqp"tgf wevkqp"  
gh'lekgpe{"tgs wkt go gpv" y j lej "t guwmu'kp"equv'kt "uqwt eg"vgnkpi "kprgv'cpf "qwwgv'uqwt eg"vgnkpi"  
kpugcf "qh'qpn{"qwwgv'uqwt eg"vgnkpi"  
"

Uchh'gZR geu'cm'pgy "cpf "gz kunkpi "dci j qwugu'f wg"vq"RCT"3629."k04: "dci j qwugu."vq'tgs wkt g"  
uqwt eg"vgnkpi ".cm'pi "y kj "cp"cf f kkpncn'33"hwtpcegu."hqt" c"vqcn'qh"5; "uqwt eg"vgnkpi"Uchh'  
guko cvgu"gej "uqwt eg"vgnkpi"y km'equv'ctqwpf "&43.2220<sup>8</sup>"Uchh'guko cvgu"vj g"vqcn'equv'qh"  
uqwt eg"vgnkpi "vq'dg"& 3; .222"kp"4243"cpf "gxgt {"uwdugs wgpv'82"o qpj u0"  
"

### Smoke Tests"

"

RCT"3629"tgs wkt gu" c"uo qng"vgnkpi"vq'dg'r gthqto gf "qp"gxgt {"go kuukqp"eqmgevkqp"u{vgo "rgcf kpi "  
vq"go kuukpu"eqpvtqn'f gxlegu"\*g0 0'dci j qwugu+"d{"Lcpwct{"3."4243."cpf "gxgt {"ukz"o qpj u"  
vj gtgchgt0Uchh'guko cvgu"32'pgy "dci j qwugu"y km'dg'kpucmgf "f wg"vq"RCT"3629."cm'pi "y kj "  
c"r tg/gz kunkpi "3: "dci j qwugu"kpucmgf "kp" yj g"RCT"3629"r qvgpvcn{"ch'gevgf "hceklkku0'  
Vj gtgchgtg."uchh'guko cvgu"4: "uo qng"vgnkpi"vq'dg'r gthqto gf "qp"Lcpwct{"3."4243."cpf "gxgt {"  
ukz"o qpj u"vj gtgchgt0"  
"

Uqwj "Eqcu'CS O F "uchh'gZR geu"o quv'hceklkku'r qvgpvcn{"ch'gevgf "d{"RCT"3629"vq"vug"  
eqpvtcevqtu"vq'r gthqto "uo qng"vgnkpi"vq'ht" yj go "vq"gpwtg"cm't wg'tgs wkt go gpw'ht"uo qng"vgnkpi"  
ctg'xgt h'kdn{"eqo r rvgf 0Uchh'guko cvgu"gej "uo qng"vgnkpi"vq'equv'ctqwpf "&722'r gt "go kuukpu"  
eqpvtqn'f gxleg.<sup>39</sup>"hqt" c"vqcn'equv'qh"&36.222"qp"Lcpwct{"3."4243."cpf "gxgt {"ukz"o qpj u"  
vj gtgchgt."hqt"cp"cppwcn'equv'qh"&4: .222"uvt vki "kp"42430"  
"

"

"

"

"

38"Uqwt eg"vgnkpi"vq'equv'guko cvgu"y gtg'r tqxkf gf "d{"O qti cp"Pi w{gp"qh'cm gi c"Gpxkqpo gpvcn'ht"dci j qwugu0'  
Vj g'equv'guko cvgu'tcpi g'htqo "&39.222"vq"&43.222" f gr gpf kpi "qp"ht'cf f kkpncn'htdqt"ku'pggf gf "hqt"o cpi'kn"  
ceegui"vq"cp"kp'rgv'qt "qwwgv'0Vj g'equv'cuuwo gu'uwdo kvcn'qh'c"uqwt eg"vgnkpi"vq'tqveqn"vj tgg"j qwt "uqwt eg"vgnkpi"vq'wpu"  
y kj "vj tgg't wpu'ht"gej "r lgeg"qh'gs wkr o gpv'dgkpi "uqwt eg"vgnkpi".kp'rgv'cpf "qwwgv'uqwt eg"vgnkpi".cpf "  
rdqtcvqt {"cpcn'uku'dgkpi "j cpf rgt "d{"vj g"uqwt eg"vgnkpi"eqo r cp {"0O qti cp"Pi w{gp"kp'lecvf "uqwt eg"vgnkpi"vq'equv"  
hqt "hwtpcegu"eqwv "dg"qpj/j ch'vq"vq/vj kf u"vj g'equv'qh'dci j qwug"uqwt eg"vgnkpi"vq'pvgj gngui."vj g'dci j qwug"  
uqwt eg"vgnkpi"vq'equv'v cu'cr r rgt "vq"hwtpcegu"vq'r tqxkf g'c"eqpugt xc'vkg"equv'guko cvg0'  
39"Uo qng"vgnkpi"vq'equv'guko cvgu'ht" c"ukpi rg'hwtpceg"y gtg'r tqxkf gf "d{"Y cm{"O qg'qh'Ceewtcvg"Gpxkqpo gpvcn"  
Ugt xlegu."kpe0Uchh'cuuwo gu'gej "go kuukqp"eqpvtqn'f gxleg" dci j qwug"vq"dg'eqpvtqnkpi "r qmwkqp"htqo "c"  
ukpi rg'hwtpceg0'

**Anemometers"**

RCT"3629"tgs wkt gu'wukpi 'c'ecrkdtevgf "cpgo qo gvgt "vq"o gcuwtg"vj g'unqv'xgmekv' "cv'gcej "unqv" cpf "r tguwtg"cv'gcej "r wuj "ckt"o cplhqr "qh"gxgt { "go kuukqp"eqmgevkap"u{ uvg "d{ "Lcpwct { "3." 4243."cpf "gxgt { "ukz"o qpj u'vj gtgchgt0Uchh'guko cvgu"32"pgy "dci j qwugu"cv'hqwt "hcekrkkgu" y kn'dg"kpucmgf "f wg"vq"RCT"3629."cmppi "y kj "c"r tg/gz kulkpi "3: "dci j qwugu"kpucmgf "cv"32" hcekrkkgu"kp"vj g"RCT"3629"r qvgpvkcm{ "chgevgf "hcekrkkgu0Vj gtghgtg."uchh'guko cvgu"4: "ugvu" qh'unqv'xgmekv' "vgu'u'dgkpi "r gthqto gf "qp"lcpwct { "3."4243."cpf "gxgt { "ukz"o qpj u'vj gtgchgt." cmppi "y kj "35"cpgo qo gvgtu'r wtej cugf "d{ "Lcpwct { "3."42430: ""

Uchh'gizr gew'gcej "cpgo qo gvgt "vq"equ'cv'o quv'83.222."cu'o cp { "j qv'y ktg"cpf "tqv'vki / xcpv" f ki kcr'cpgo qo gvgtu'ctg'uqr "hqt"rgu"vj cp"83.2220: "Vj wu'uchh'guko cvgu'vqcn'cpgo qo gvgt" equv'qh"RCT"3629"vq"dg"835.222"kp"lcpwct { "3."42430Uchh'gizr gew'gcej "ugv'qh'unqv'xgmekv' " vgu'u'hqt"gej "go kuukqp"eqpvtnf gxleg"vq"tgs wktg"cv'o quv'v'y q"j qwtu"vq"r gthqto "d{ "hcekrkkgu" uchh' "hqt" "c"vqcn'qh'& 2"r gt "ugv'qh'unqv'xgmekv' "vgu'u'r gt"go kuukqp"eqpvtnf gxleg0Vj gtghgtg." uchh'guko cvgu'vqcn'unqv'xgmekv' "vgu'u'wukpi "cpgo qo gvgtu"equv'qh"RCT"3629"vq"dg"84.462" qp"lcpwct { "3."4243."cpf "gxgt { "ukz"o qpj u'vj gtgchgt0"

**Housekeeping and Recordkeeping"**

Qh'vj g'82"RCT"3629"r qvgpvkcm{ "chgevgf "hcekrkkgu."78"ctg"bzr gevfg "vq"r gthqto "vj g'hqmjy kpi " v' r gu'qh'j qwugnggr kpi "hqt"ctg"bzr gevfg "vq"pqv'lpewt"lpetgcugf "j qwugnggr kpi "equu'f wg"vq" cttgcf { "r gthqto kpi "vj go "wpf gt"Uqwj "Eqcu'CS O F "Twg"3642-<"

- Y ggm{ "engcpkpi "hqt"ctgcu"y j gtg"hwtpceg"cpf "ecukpi "qr gtcvkpu"qewt"cpf "y cug" i gpgtcvfg "htqo " j qwugnggr kpi "ce'v'xkkgu"ku" uqgtgf . " f kur qugf " qh" tgeqxtgf . " qt" tge { engf ="
- Y ggm{ "engcpkpi "qh'hqecvkpu"y j gtg"ewwki "cpf "i tlpf kpi "qewt="
- S wctvtn{ "engcpkpi "cpf "kpur gevkap"qh"gs wkr o gpv'y kn'dg"tgs wktgf "cv'cm'hcekrkkgu" y kj "go kuukqp"eqpvtnf gxlegu="
- Y kj kp"cp"j qwt"qh"cp"gxgpv"vj cv'tguwu"kp"vj g"gr qukkqp"qh'hwi kkg"o gcn'f wuv" go kuukpu."vj g'ctgc"y j gtg"vj g'ce'v'xkkgu"qewt"tge "y kn'dg"tgs wktgf "vq"dg"engcpgf "wukpi " cp"cr r tqxgf "engcpkpi "o gvj qf ="
- Tgo qxcn'qh'y gcj gt "ecr u'vj cv'tgutlev"vj g'hqy "qh"gzj cwuv'ck"htqo "uvcem"vj cv'ctg" uqwtgu'qh'go kuukpu"htqo "pqp/ ej tqo kwo "o gcn'o gmkpi ="cpf "
- Urci "cpf "y cug"i gpgtcvfg "htqo " j qwugnggr kpi "cpf "eqpvtnf wkap"qt"o clpvgpcepg"qh" dwkf kpi " gperquwtgu" u'j cm' dg" vcpur qtvgf " y kj kp" enugf " eqpxg{ qt" u{ uvg u" qt" eqxgtgf "eqpvkpgtu"htqo"o cvgtkcn'dgmjy "722"f gi tgg"hcj tgpj gk/cpf "pqv'hqecvgf " y kj kp"cv' dwkf kpi "gperquwtg"qt"gpemugf "uqtcu g"ctgc-0"

Cffkklqpcmf{ . " gcej "qh"vj gug"78"RCT"3629"r qvgpvkcm{ "chgevgf "hcekrkkgu"ku" gizr gevfg "vq" o clpvcip"tgeqtf u'qh'vj g'hqmjy kpi "hqt"vj tgg" { gctu."y kj "cv'hqcu"vj g'y q"o quv'tgegpv" { gctu" ngr v'qpukg<"

- O qpj n{ "s wcpv'kkgu"qh'tcy "o cvgtkcn'r tqeguugf "cmppi "y kj "r wtej cug"tgeqtf u="

<sup>3</sup>: "Qpg'hcekrkkgu"ctgcf { "j cu'dci j qwugu'cpf "ku"bzr gevfg "vq"i gv'o qtg"vq"vq"RCT"3629."hgy gtlpi "vj g'bzr gevfg" cpgo qo gvgt "eqwpv'd{ "qpg'hcekrkkgu"vq"350"

<sup>3</sup>: "[j wru<ly y y 0 tclpi gt0eqo lcvgi qt { hguv'kpurtwo gpvclt/o qxgo gpvclt/xgmekv/o gvgtu/cpf/ cpgo qo gvgtuAqvtMg{ ? r tleg\( uqtvQtf gt? f gue](#)"ceeguugf "949B; -0"

- O cvgtkcn'gukpi "f cxc="
- Uqwtg'guf'f cxc="
- J qwugnggr kpi "cevkxkkgu="
- F cxc"hggu."kpur gevqkp."ecnkdtcvkqp"fqewo gpvcvkqp."cpf"o ckpvGPCPEG"qh"go kuukqp"eqptqnl'gxlegu="
- Cpgo qo gvg't'f cxc="cpf "
- Uo qng'guf'f qewo gpvcvkqp0"

"

Uchh'cuwo gu'yj gug'78"RCT"3629"heekkkgu"vq"tgs wktg"J GRC"xcewwo u."y kj "35"heekkkgu"dgkpi "rti gt"rkngn{"ej qqulpi "vq"r wtej cug"tkf kpi "xcewwo "engcpgtu."cpf"vj g"tgo ckpkpi "65"heekkkgu"ej qqulpi "vq"r wtej cug"uo cngt"xcewwo "engcpgtu."gf 0'dcenr cenl'xcewwo u0'Uchh'guko cvgu"vj g"lpetgo gpvcn'equv"ltqo "tkf kpi "xcewwo "engcpgtu"fwg"vq"RCT"3629"vq"dg"&33.7220<sup>2</sup>"Uchh'guko cvgu"vj g"lpetgo gpvcn'equv"ltqo "dcenr cenl'xcewwo u"vq"dg"&8220<sup>3</sup>"Vj gtgqgtg."uchh'guko cvgu"vj g"vqvcn'qpg/vko g"equv'qh"j qwugnggr kpi "fwg"vq"RCT"3629"vq"dg"&397.522"52"fc{u'chngt'twng'cf qr vkqp0"

"

Uchh'gizr gew'vj g"eqo dkpcvkqp"qh'cppwcn'j qwugnggr kpi "cpf"tgeqtf ngr kpi "equu"vq"dg"cv"o quv'&3.2220Vj wu'vj g"vqvcn'cppwcn'equv"ltqo "j qwugnggr kpi "cpf"tgeqtf ngr kpi "fwg"vq"RCT"3629"r cuuci g'ku'cp'cppwcn'{"tgewttkpi "equv'qh"&78.222"uvctkpi "52"fc{u'chngt'twng'cf qr vkqp0"

"

### Cost Summary

Vcdrg"8"rtgugpw"vj g"fkutkdwkqp"qh'qxgtcm'r tgf levf "equu"qh"RCT"3629"d{"ugrgev'equv"ecvgi qtkgu0'Vcdrg"8"lpf kecvgu"vj g"rtgugpv'y qtvj "xcnwg"cpf"cppwcn'gf "equv'qh"gej "equv"ecvgi qt{0Vj g"rtgugpv'y qtvj "xcnwg"lp"423; "fqmctu'r tguugpw"vj g"guvko cvgf "vqvcn'RCT"3629"equv'ltqo "423; /4262'd{"equv'ecvgi qt{"kicm'equu'r ckl'qxgt'vj ku'vko ghtco g'fwg"vq"RCT"3629"y gtg'r ckl'lp"423; 0Vj g'cppwcn'gf "equv'r tguugpw"vj g"guvko cvgf "vqvcn'RCT"3629"cppwcn'equv"ltqo "423; /4262'd{"equv'ecvgi qt{"y j gtg"qpg/vko g"equu'ctg"ur tgc'f "qxgt"cp"gs vkr o gpv'u"rhtgko g"y j kg"lpenw'kpi "quv'lp'xguo gpv'xcnwg"vq"heekkkgu"y j gtg"vj g"lp'xguo gpw'ctg"cuwo gf "vq"j cxg'gkij gt"6' "qt"3' "tgcn'tcvg"qh'tgwtp"pqo kpcn'kpvtg'guv'tcvg'pgv'kph'cvkqp-0"

"

Vj g"o clqtkv{"qh'r tgf levf "equu."cdqw"&40"o knkqp"cppwcn'."ku"cwtkdwgf "vq"cppwcn'qr gtcvkqp"cpf"o ckpvGPCPEG"qh'dci j qwugu'lpucn'gf "fwg"vq"RCT"3629."qt"cdqw": 4' "qh"vj g"RCT"3629"vqvcn'equv0'Vj g"qpg/vko g"equv"cuuqekcvf"y kj "dci j qwugu."gf 0' r wtej cug."gpi kpggtkpi ."lpucn'cvkqp."gve0'ku'guko cvgf "vq"dg"&467.222"/"&4: 9.222"cppwcn'{"hqt"vj g'ny / "cpf"j ki j /tcvg'uegpctku'tgur gev'xgn{0Vj g'ny /tcvg'uegpctkq"cuwo gu"tgcn'lpvgt'guv'tcvg"qh"

=====

<sup>42</sup>Tkf kpi "xcewwo "rtleg"ltqo "P cuueq'hqt"vj g"Ej ctkqv'4'kXcewwo "CVX"46ö"J GRC"Tkf gt"Xcewwo "[\\*j vr u-ily y y \(pcuueqkpeleqo llcpkqtkcnl'mqtengcpkpi gs vkr o gpvleqo o gtekcn tcf gxcewwo engcpgtucpf ceegu qtkguklf kpi xcewwo uly kpf uqtej ctkqv'4'kXcewwo cw46tkf gxcewwo 1A](#)"ceeguugf "947423; -0Vj ku'ugctej "rtqxf gf "rtleg'ltcpi kpi "ltqo "&32.632"vq"&33.6720C"tqwpf gf "vr "xcnwg"qh'&33.722"ku'cuwo gf "vq"rtqxf g'c"eqpugt'cxv'g'guvko cvg'qh"vj g"lpetgo gpvcn'tkf gt"xcewwo "equv'hqt"gej "rti gt"heekkkv{"fwg"vq"RCT"36290"

<sup>43</sup>Dcenr cenl'xcewwo "rtleg"ltqo "P cuueq'hqt"vj g"Rtqv'co "Uwr gt"Eqcej Xce"J GRC"dcenr cenl'xcewwo "[\\*j vr u-ily y y \(pcuueqkpeleqo llcpkqtkcnl'mqtengcpkpi gs vkr o gpvleqo o gtekcn tcf gxcewwo engcpgtucpf ceegu qtkgukdcenr cenl'xcewwo uly tqv'co uwr gteqcej xcedcenr cenl'xcewwo j gr c 1A](#)"ceeguugf "947423; -0Vj ku'ugctej "rtqxf gf "c"rtleg'qh'&793098."tguwnkpi "lp"tqwpf gf "vr "xcnwg"qh'&822"vq"rtqxf g'c"eqpugt'cxv'g'guvko cvg'qh"vj g"lpetgo gpvcn'dcenr cenl'xcewwo "equv'hqt"gej "uo cngt'heekkkv{"fwg"vq"RCT"36290"



3' . 'y j kg'vj g'j ki j /tcvg'uegpctkq'cuwo gu'c'6' 'tgcrlpvgtgutcvg<sup>44</sup> Vj g'cxgtci g'cppwcn'equv' qh'RCT'3629'ku'gu'ko cvgf "q'dg"&502/"&503"o krlqp'dgvy ggp'423; "cpf"4262."hqt"vj g'my /" cpf"j ki j /tcvg'uegpctkqu'tgur gev'xgn{0"

**Table 6: PAR 1407 Projected Total and Average Annual Cost by Cost Category for Potentially Affected Facilities (2019 Dollars)**

Cost Categories	Present Worth Value (2019)		Annual Average (2019-2040)	
	1% Discount Rate	4% Discount Rate	1% Real Interest Rate	4% Real Interest Rate
<b>One-Time Cost</b>				
Dci j qwug, "	&6.999.222"	&5.; 84.222"	&467.222"	&4: 9.222"
Dci "tgcrlf g'gevkqp" u{ ugo, "	&58.222"	&52.222"	&4.222"	&4.222"
Rtguwt g'i cwi g'y kj " FCU, "	&56.222"	&4: .222"	&4.222"	&4.222"
Cpgo qo gvg, "	&46.222"	&42.222"	&3.222"	&3.222"
O clqt "gperqwtg, , "	&849.222"	&824.222"	&54.222"	&65.222"
Tqni'wr "f qqtu, , "	&3: 4.222"	&397.222"	& .222"	&34.222"
Rr'wke'ewt'clpu, , "	&324.222"	& : .222"	&7.222"	&9.222"
Tkf gt "J GRC "xcewo, "	&729.222"	&634.222"	&48.222"	&4: .222"
Dcemr cen "J GRC " xcewo, "	& : .222"	&93.222"	&6.222"	&7.222"
<b>Total one-time cost</b>	<b>\$6,377,000</b>	<b>\$5,398,000</b>	<b>\$326,000</b>	<b>\$388,000</b>
<b>Recurring Cost</b>				
Dci j qwug'cppwcn' o clpvgpcpeg"	&6: .857.222"	&56.767.222"	&4.6; ; .222"	&4.6; ; .222"
Uo qng'v'guv'	&6; 7.222"	&574.222"	&47.222"	&47.222"
Uqwtg'v'guv'	&4.; 78.222"	&4.445.222"	&36; .222"	&36; .222"
Uqv'xgn'ekv{ "v'guv'	&62.222"	&4: .222"	&4.222"	&4.222"
J qwugng'gr kpi "	&3.323.222"	& 2; .222"	&78.222"	&78.222"
<b>Total recurring cost</b>	<b>\$53,227,000</b>	<b>\$37,957,000</b>	<b>\$2,731,000</b>	<b>\$2,731,000</b>
<b>Total</b>	<b>\$59,604,000</b>	<b>\$43,355,000</b>	<b>\$3,059,000</b>	<b>\$3,119,000</b>

P qvg<Xcn'gu'tqwpf gf "q'p'gctguv'vj qwucpf "f qm'ctu0"

, Equv'cppwcn' gf "qxgt"8" { gctu"

, , Equv'cppwcn' gf "qxgt"32" { gctu"

, , , Equv'cppwcn' gf "qxgt"42" { gctu"

"

Vcdrg'9'r t'gugpw'v'cn'cpf "cxgtci g'cppwcn'eqo r n'cpeg'equv'qh'RCT'3629'd { 'lpf wut { 00 quv' qh'vj g'equv'f'wg'q'RCT'3629'ku'g'zr gev'gf "q'dg'lpewttgf "d { 'h'ek'k'gu'r t'qegu'kpi "qt'r t'qf w'ekpi " c'no k'pc"qt"cn'wo k'pwo "\*" &4: 0/"&5; 0/"o k'rlqp"qt"cdqw"88" "qh'vj g'v'cn'equv'hqt"dqy "vj g' my /"cpf"j ki j /tcvg'uegpctkqu'0Vj g'lpf wut { 'y j kej "lpewtu'vj g'ugeqpf /j ki j guv'g'zr gev'gf "equv'

<sup>44</sup>Vj g'tgcrlpvgtgutcvg'ecp'dg'x'ky gf "cu'vj g'r gtegp'ci g'tgwtp"qp'cp'lp'xguvo gpv'pgv'lp'h'v'k'p'0C"j ki j gt'tgcrl' lpvgtgutcvg'gp'cku'c"j ki j gt'equv'qh'w'kpi 'h'ek'k'v{ 'h'wp u'q'o ggv'tgi w'v'qt { 'tgs w'tgo gpw0"

f wg"vq"RCT"3629"ku"hwpgf tkgu"83205"/"83602"o knkqp"qh"vj g"qvcr'equv"qt"46' "hqt"dqj "vj g" rny /"cpf "j ki j /tcvg"uegpctkuu0Vj g'tgo clpki "gxr gevfg "equv'f wg"vq"RCT"3629"ku"gzr gevfg " vq"dg"hpewtgf "cm quv'gpvktgn{ "d{ "hcekrklgu"r tqf welpi "uvgn"8604"o knkqp"/"870 "o knkqp"qh" vj g"qvcr'equv"qt"cdqw'32' "hqt"dqj "rny /"cpf "j ki j /tcvg"uegpctkuu05"

**Table 7: PAR 1407 Projected Total and Average Annual Compliance Cost by Industry for Potentially Affected Facilities (2019 Dollars)**

Industry Description	Number Potentially Affected Facilities	Present Worth Value (2019)		Average Annual Costs (2019-2040)	
		1% Discount Rate	4% Discount Rate	1% Discount Rate	4% Discount Rate
Uvggn'r tqf wev' o cpw'cewtlpi "ltgo " r wtej cugf "uvgn"5534+"	6"	\$7.9; 5.222"	\$6.3; 8.222"	\$4; 9.222"	\$524.222"
Cmo kpc"cpf " cmo kpo "r tqf wev'qp" cpf "r tqeguulpi "5535+"	7"	\$5; .6: : .222"	\$4: .887.222"	\$4.24: .222"	\$4.28: .222"
Hqwpf tkgu"5537+"	69"	\$36.296.222"	\$32.529.222"	\$943.222"	\$958.222"
Hqti lpi "cpf "uco r lpi " 5543+"	3"	\$44.222"	\$38.222"	\$3.222"	\$3.222"
O gvcny qtnlpi "cpf " o cej kpgt{ " o cpw'cewtlpi "5557+"	3"	\$98.222"	\$79.222"	\$6.222"	\$6.222"
Cgtqr ceg'r tqf wev'cpf " r ctu'o cpw'cewtlpi " 5586+"	4"	\$374.222"	\$336.222"	\$ .222"	\$ .222"
<b>Total</b>	<b>60</b>	<b>\$59,604,000</b>	<b>\$43,355,000</b>	<b>\$3,059,000</b>	<b>\$3,119,000</b>

P qvg<Xcnwgu'tqwpf gf "vq"pgctguv'j qwucpf "f qmctu0'

RCT"3629"ku"gzr gevfg "vq"j cxg"rti gt"eqo r nkpeg"equu"hqt"c"hy "rti gt"hekrklgu"gzr gevfg " vq"lpuvcm' go kuukqp"eqptqn'f gxlegu."cu"lpf kcvfg "lp"Vcdng": 0'O quv'qh"vj g"RCT"3629" r qvpgvcm{ "ch'gevfg "hekrklgu."63"qh'82."ctg"uo cmgt"cpf "gzr gevfg "vq"pqv'j cxg"cpf "pqv'pggf " c"pgy "go kuukpu"eqptqn'f gxleg0Qp"cxgtci g."gcej "qh"vj gug'uo cmgt"hekrklgu"ku"gzr gevfg "vq" ur gpf "ctqwpf "872.222"qxgt'423; /4262"v wq"vq"RCT"3629."qt"ctqwpf "85.222'r gt"{ gct0C"hy " rti gt"hekrklgu."hqw"qh'82."ctg"rti gt"hekrklgu"gzr gevfg "vq"pggf "qpg'qt"o qtg"pgy "go kuukqp" eqptqn'f gxlegu0Qp"cxgtci g."gcej "qh"vj gug"rti gt"hekrklgu"ku"gzr gevfg "vq"ur gpf "ctqwpf " 833.422.222"qxgt'423; /4262"v wq"vq"RCT"3629."qt"ctqwpf "8797.222'r gt"{ gct0'

\*\*\*\*\*

<sup>45</sup>Rgtegpvci gu'f q"pq'cf f "vq"322' 0"Vj g'tgo clpki "equu"ctg'dqtpg"d{ "qvj gt"lpf wutlgu"tkuvf "lp"Vcdng"30'

Table 8: PAR 1407 Average Expected Compliance Cost Per Facility by Facility Size from 2019-2040"

Facility size	Number potentially affected facilities	Total cost if all PAR 1407 expenses made in 2019	Annualized cost
Uo cm="pq"gzkukpi "go kulkpu" eqpvtqnl'f gxleg0'	63"	&72.222"	&5.222"
Uo cm="y kj "gzkukpi " go kulkpu"eqpvtqnl'f gxleg0'	4"	&37: .222"	& .222"
Ncti g="r tqeguukpi "ny "ctugple" cpf "ny "ecf o kwo "o gvcu0'	35"	& 82.222"	&6; .222"
Ncti g="RCT"3629'tgs vkt gu" pgy "go kulkpu"eqpvtqnl'f gxleg" kpucmcvkqp0'	6"	&33.3: ; .222"	&797.222"

**Note:** C'bo cmhcekrk\ 'ku'f ghkpgf 'q'r tqeguuhguu'yj cp'. .622'vpu'qh'o gvcnr gt' { gct.'y j kg'c'htci g'hcekrk\ 'ku'f ghkpgf 'q'r tqeguuhguu'. .622'vpu'qh'o gvcnr gt' b qtg'r gt' { gct0Vqvcnr'eqv'kpenw gu'cm'kpg/vko g'cpf 'tgewt'kpi " equu'g'zr gev'f 'f w'v'q'RCT"3629'ht qo "423; /4262'ht'cp'cxgtci g'hcekrk\ 'kp'gcej 'hcekrk\ /uk' g'ecv'gi qt { 0' Xcng'u'tqwpf gf 'q'p'gctguv'yj qwucpf 'f qmctu0'

## JOBS AND OTHER SOCIOECONOMIC IMPACTS"

Vj g'TGO Ko qf gn\*RK "x4050+y cu"wguf "q"cuuguu'yj g"qvcr'uqekqgeqpqo le"ko r cew'qh'yj g" tgi wrvqt { "ej cpi g"ht qo "RCT"36290<sup>46</sup>" Vj g"o qf gn'rkpmu" yj g"geqpqo le"cevkxkku"kp" yj g" eqwpv'gu'qh'Nqu'Ci p'gru. Qtcpi g. Tlxgtul'f g. 'cpf 'Ucp'Dgt'pctf'kpq. 'cpf 'hqt'gcej 'eqwpv\ . 'k'ku' eqo r tkugf "qh'hkxg"kpvgttgrcv'f "dmqemu<\*3+"qwr w'cpf "f go cpf . "\*4+"rdqt"cpf "ecr kcn" \*5+" r qr wrv'kqp'cpf "rdqt'hteg. \*6+y ci gu. 'r tlegu'cpf "equu. 'cpf \*7+"o ctngv'uj ctgu<sup>47</sup>"

Vj g'cuuguu gpv'j gtg'p'ku'r gthqto gf 'tgrcv'xg'q'c'dcugr'kp'g\*odwukpguu'cu'wuwcrö+y j gtg'RCT" 3629'y qwr'pqv'dg'cf qr v'f 0'Cf qr v'kqp'qh'RCT"3629'y qwr'etgcvg'c'tgi wrvqt { "uegpctkq" w'p'gt'y j lej 'y g'r qv'p'v'cm' 'ch'gevg'f 'hcekrk'ku'y qwr'kpew'cxgtci g'c'ppwcr'eqo r r'k'peg'equu' qv'cr'pi "850"/"850"o k'k'qp'ht'ny /"cpf "j ki j /tcvg'uegpctkq'u'tgur gev'xgn' 0F k'gev'gh'geu'qh' r tqr qugf 'twrgulco gpf o gpw'b wuv'dg'guk'o cv'f 'cpf 'wugf 'cu'k'p'w'w'k'p'v'yj g'TGO KKK 'o qf gn' kp'qtf gt'ht'v'y g'o qf gn'v'cuuguu'ugep'f ct { "cpf 'lpf w'egf 'ko r cew'ht'cm'cevtu'kp'yj g'hqwt/ eqwpv'f'geqpqo { "qp'cp'c'ppwcr'nd'cu'k'cpf 'cetqu'c'wugf/f ghkpgf 'j qtk qp" \*423; /"4262+0F k'gev' gh'geu'qh'RCT"3629"kpew'f g"cf f k'k'qp'cn'equu'v'q" yj g"r qv'p'v'cm' "ch'gevg'f 'hcekrk'ku'cpf " cf f k'k'qp'cn'ic'gu'd { 'h'ecr'x'gpf qtu'qh'gs w'kr o gpv. 'f gxlegu. 'qt'ugt'x'legu'w'r r n'k'pi 'y' g'p'geguuct { " i q'q'f ul'ugt'x'legu'v'q'j gr "y' g'r qv'p'v'cm' "ch'gevg'f 'hcekrk'ku'o gg'v'yj g'r tqr qugf 'tgs vkt go gpw'qh' RCT"36290"

<sup>46</sup>"Tgi k'p'cn'Geqpqo le'O qf gr'pi "Ipe0\*TGO K0Rqne { "Iku' j v' 'ht'v'yj g'Uqwj 'Eqcu'v'ctgc" \*382/ugevqt'o qf gn'0' Xgtukp'4050. '423; 0'

<sup>47</sup>"Y kj kp'gcej 'eqwpv\ . 'r tqf wegtu'ctg'o cf g'w'r 'qh'378'r tkx'cv'p'qp/hcto "lpf w'ut'ku'cpf 'ugevqtu. 'y' tgg" i qxgt'p gpv'ugevqtu. 'cpf 'c'ht'o 'ugevqt0Vtcf g'hty u'ctg'ecr w'gf 'dgw ggp'ugevqtu'cu'y gm'cu'cetqu'v'y g'hqwt" eqwpv'gu'cpf 'y' g't'guv'qh'WU00 ctngv'uj ctgu'qh'kp'f w'ut'ku'ctg'f gr gpf gpv'w'r qp'yj g'k'r tqf w'v'r tlegu. 'ceegu'v'q" r tqf w'v'k'p'p'r wu. 'cpf 'h'ecr'k'p'ht'c'ut w'ewt'g0Vj g't go q' tcr j le lo ki tcv'k'p'eqo r qpgpv'j cu'382" ci guli gpf gt'itcegl'y plek\ 'eqj qt'u'cpf 'ecr w'gu'r qr wrv'k'p'ej cpi gu'lp'dk'yj u. 'f gc'yj u. 'cpf 'o ki tcv'k'p'0'Hqt" f g'cku. 'r ngcug'tghet 'q'TGO Kqpr'kpg'f qewo gpv'k'p'cv'j [wr <ly y y 0go k'eqo r tqf w'v'k'p'0'](#)

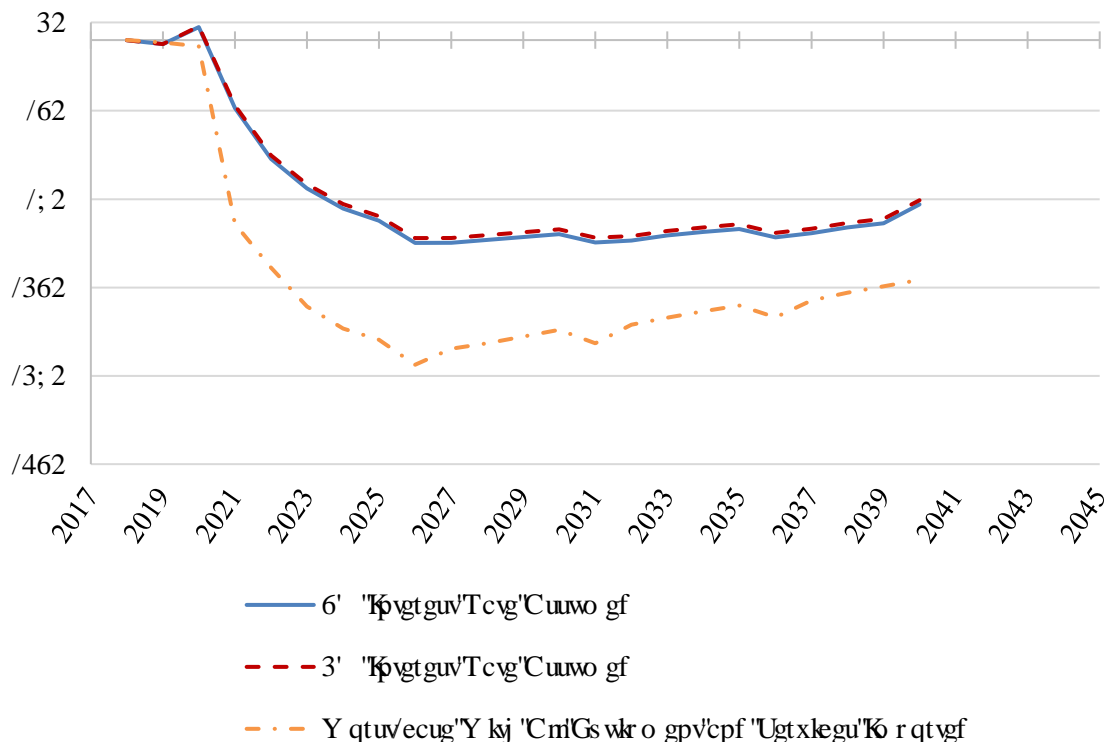




Uo qng'vuv		O cpci go gpv'uekgp'le."
Uqwtg'vuv		cpf'vgej plecn'eqpuw'kpi "
Uqv'xngqek'vuv		ugt'xlegu'P C E U 7638+
Tkf gt"J GRC'xcewo "		
Dcenr cen'J GRC " xcewo "	Uygn'Rtqf wev'O cpw'cewt'kpi "Itqo " Rutej cugf "Uygn'P C E U 5534=" Cnw kpc'cpf "Cnw kpo "Rtqf wev'kq" cpf "Rtqegu'kpi "P C E U 5535=" Hqwpf t'gu'P C E U 5537="Hti kpi " cpf "Uco r kpi "P C E U 5543+"	<i>One-time-Capital:</i> Grgext'le'Gs wkr o gpv' O cpw'cewt'kpi "5575+

Cu'r t'gugpv'gf "kp"Hi wtg"5."RT"3629"ku"gzr gev'gf "vq"t'guw'kp"cp"cxgtci g"qh"; 2"/"; 4"lqdu" hqti qpg'cppwcm' "Itqo "423; "/"4262"ht'v'j g'hqy /"cpf"j ki j /tcv'uegpctkqu'tgur gev'xgn'0Vj g" r tq'gevg' "lqd"ko r ceu'tgr t'gugpv'cdq'w'c"2023' "f getgcug'qh'v'qcn'go r mq{o gpv'kp'v'j g'hqwt/eqwpv' "tgi kqp"ht"dq'v' "mqy /"cpf"j ki j /tcv'uegpctkqu'0C"öy qtuv/ecugö"uegpctkq."y j gtg'cm" r vtej cugu'o cf g'f w'g'vq"RT"3629'y gpv'v'q'w'w' r r'gtu'q'w'w'f g'v'j g'hqwt/eqwpv' "tgi kqp."t'guw'gf " kp"cr r tqzko cvgn' "363"lqdu'qp"cxgtci g"gzr gev'gf "vq"dg'htgi qpg'cppwcm' "Itqo "423; "/"42620"

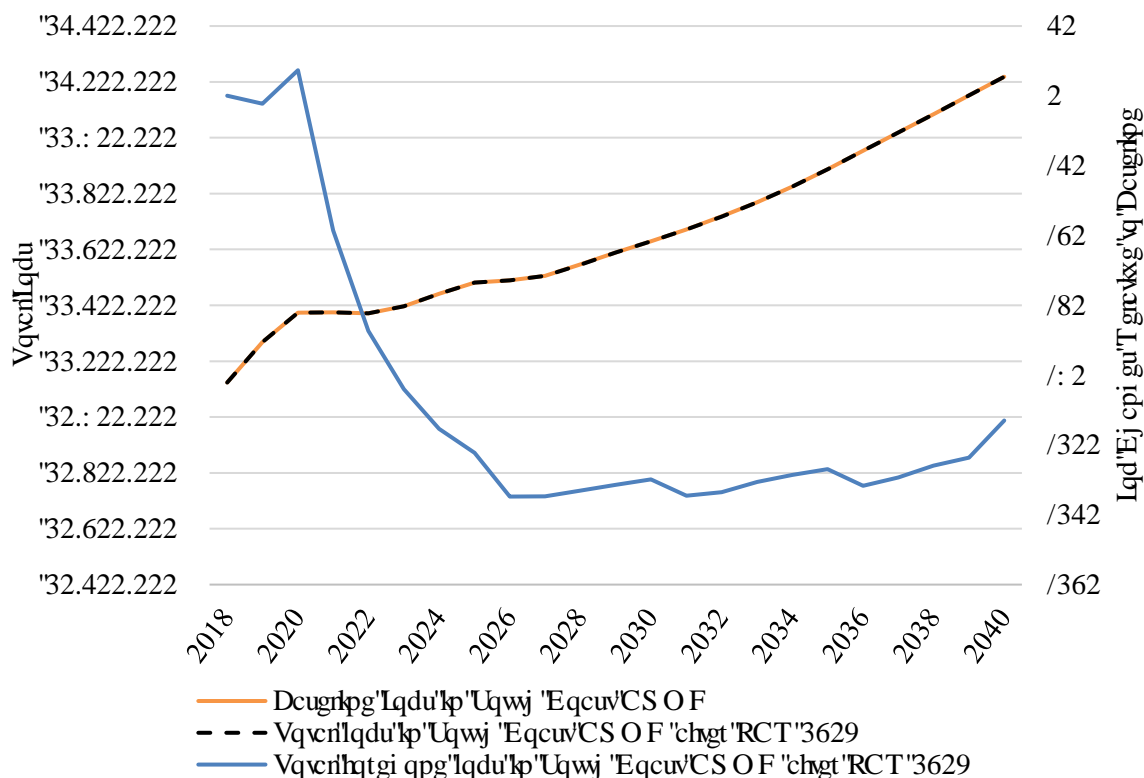
Figure 3: PAR 1407 Projected Regional Foregone Jobs, 2019 - 2040"



Lqdu"lqti qpg"ecp"eqo g"ltqo "ewttgpnf"gz kxkpi "lqdu"qt"hwttg"pgy "lqdu"lqti wtg"6"r mqu  
 r tgf levgf "lqti qpg"lqdu."dcuglpg"lqdu."cpf "vqcnlqdu"lqti qpg"lqti "cf qv kq"qh"RCT"3629"ltqo "  
 423; "6"4262"lqti "y g"j k j /tcvg"uegpctkq0Hki wtg"6"o cngu"engct"y g"r tgf levgf "lqdu"ko r ceu"ltqo "  
 RCT"3629"ctg"uo cmi"tgrvkg"vq"y g"vqcnl"r tgf levgf "lqdu."cpf "y cv"lqdu"ecp"dg"lqti qpg"  
 y kj qw"lqo gqpg"ewttgpnf"go r m{gf "lqkpi "y gk"lqdu"

Vcdrg"32"r tguvpu"gzr gevgf "lqdu"ko r ceu"qh"RCT"3629"lqti "y g"vq"32"lqf wutlgu"y kj "pgi cvkg"  
 lqdu"ko r ceu."qpg"lqf wut { "y kj "gzr gevgf "r qukvkg"lqdu"ko r ceu."cpf "y g"tgo clkpi "lqf wutlgu"  
 i tqwr gf "vq g"y gt0Lqdu"ctg"gzr gevgf "vq"dg"lqti qpg"lqti "y g"qxgtcm"geqpqo { "y tqw j qw"y g"  
 vko g"r gkqf "eqpukf gtgf "423; " / " 4262"0" Vj g" cno kpc" cpf " cno kpo " r tqf wekq" cpf "  
 r tqeguipi "lqf wut { "P C E U"5535+"cmipi "y kj "y g"lqwpf t { "lqf wut { "P C E U"5537+"ku"  
 gzr gevgf "vq"dgct"o quv"qh"y g"guvko cvgf "vqcnleqo r rcpge"eqv"qh"RCT"3629."y kj "cp"gzr gevgf "  
 vqcnl"3: "lqdu"lqti qpg"cppwcmf "dgy ggp"423; "cpf "42620"Vj g"tgo clkf gt"qh"y g"r tqf gevgf "  
 tgf wekq"lq"go r m{ o gpv"fg"vq"RCT"3629"ko r ngo gpvkvq"ku"ur tgcf "cetqu"o cp { "qy gt"  
 o clqt"ugevqtu"qh"y g"geqpqo { "f wg"vq"ugeqpct { "cpf "lqf wegf "ko r ceu"qh"RCT"3629."  
 qeewtlpi "o clqnf "lq"eqpukf wekq"PC E U"45+"cpf "tgvckl"tcf g"PC E U"66/67"0"

**Figure 4: PAR 1407 Projected Regional Job Impact, 2019 – 2040 (High-Rate Scenario)**



<sup>49</sup>"Ugeqpct { "ko r ceu"qp"lqdu"ctg"ej cpi gu"lp"lqdu"vq"lqti r n"lpi "lqf wutlgu"qh"y g"chgevgf "lqf wutlgu."y j krg"  
 lqf wegf "ko r ceu"qp"lqdu"ctg"ej cpi gu"lp"lqdu"vq"lqti r n"lpi "lqf wutlgu"qh"y g"chgevgf "lqf wutlgu."y j krg"  
 CS O F"geqpqo {0"

Rqulxg"lqd"ko rcevu"ltqo "cfqr vqp"qh"RCT"3629"lp"vj g"o cpci go gpv."uekgp"he."cpf" vgej plecn"eqpuwnkpi "ugt xlegu"ugevt" \*PCEU"7638+"ctg"fwg"vq"RCT"3629"r qvgpvcml" chgevgf "hcekkkgu"eqo r ngvpi "dci j qwug"cppwcnb ckpgpcpeg."uo qng"vgukpi ."uqwtg"vgukpi ." cpf "urqv'xgmekv{ 'vgukpi 0"

Table 10: PAR 1407 Job Impacts (High-Rate Scenario)

Industries (NAICS)	2019	2024	2029	2035	2040	Average Annual Job Changes (2019 - 2040)	Average Annual Baseline (2019 - 2040)	% Change from Baseline Jobs
Cnwo kpc"cpf"cnwo kpwo " r tqf vewkqp"cpf"r tqeguukpi " *5535+"	2"	/36"	/39"	/3:"	/39"	/36"	5.222"	/2039' "
Eqputvewkqp"*45+"	7"	/3;"	/34"	/:"	/3"	/33"	6:;.222"	/2024' "
Tgckl'v'cf g"*66/67+"	2"	/33"	/33"	/34"	/32"	/32"	3.223.222"	/2023' "
Ucvg"cpf"mecn' qxgtpo gpv" *, 4+"	2"	/9"	/;"	/32"	/;"	/9"	; 33.222"	/2023' "
Hqqf"ugt xlegu"cpf"ftkpnkpi " r megu"944+"	2"	/7"	/8"	/9"	/8"	/7"	99;.222"	/2023' "
Y j qrgucrg'v'cf g"*64+"	2"	/6"	/6"	/7"	/6"	/6"	676.222"	/2023' "
Hqwpftkgu"*5537+"""	2"	/6"	/6"	/6"	/5"	/6"	5.222"	/2047' "
Tgcn'gucvq"*753+"	2"	/6"	/6"	/6"	/5"	/5"	7: 5.222"	/2023' "
Qhlegu"qh"j gcmj " r tcevkqpgtu"*8433/8435+"	2"	/4"	/5"	/5"	/5"	/4"	635.222"	/2023' "
Dwulpguu'ur r qt v'ugt xlegu=" kpxgukl cvkqp"cpf"ugewtkv{ " ugt xlegu="qj gt'ur r qtv" ugt xlegu"*7836."7838."783; +"	2"	/4"	/4"	/4"	/4"	/4"	478.222"	/2023' "
O cpci go gpv."uekgp"he."cpf" vgej plecn'eqpuwnkpi " ugt xlegu"*7638+"	2"	39"	38"	3;"	36"	37"	376.222"	2032' "
Qj gt"lpf wutkgu"	/:"	/63"	/77"	/75"	/72"	/68"	8.648.222"	/2023' "
<b>Total</b>	<b>-2</b>	<b>-95</b>	<b>-111</b>	<b>-107</b>	<b>-93</b>	<b>-92</b>	<b>11,471,000</b>	<b>-0.001%</b>

P qvg<Cff lpi "cmkpf wut { "xcmgu"o c { "pqv'cf f "vq"qvcn'co qwpv'fwg"vq"tqwpf lpi 0"

### Competitiveness"

Vj g'cf f kkpce'nequv'dtqwi j v'qp"d { "RCT"3629"y qwf "kpetgcug"vj g'equv'qh'ugt xlegu't gpf gt gf " d { "vj g'chgevgf "lpf wutkgu"lp"vj g'tgi kqp0Vj g'o ci pkwf g'qh'vj g'ko rcev'f gr gpf u'qp"vj g'uk g." f kxgtukhcevkqp." cpf "kphcutwewt" lp" c" mecn' geqpqo { "cu"y gmi"cu" kpgtcevkqpu" co qpi " lpf wutkgu0Y j kg" c" hgy "hcekkkgu"uwdlgev"vq"RCT"3629"ctg"gzr gevgf "vq"lpewt"rcti gt"equu"

yj cp"qvj gtu."c"rti g."f kxgtu"kgf."cpf "tguqteghw"geqpqo {."hng"vj cv'wpf gt"vj g"Uqwj "Eqcu" CS O F "lwt kuf lewkp."y qwf "gxr gtlgpeg"o kpo cni ko r cev'qp"vj g"tgi kqpcn'geqpqo { "f wg"vq" vj g"lpetgcugf "equu"htqo "RCT"36290

"

Ej cpi gu"kp"r tqf wev'kp lgtxleg"equu"y qwf "chgevr"tlequ"qh"i qqf u"r tqf wegf "meem(0'Vj g" tgrv'xg"fg r kxgtgf "r tleg"qh'c"i qqf "ku'dcugf "qp'ku'r tqf wev'kp"equ'cpf "vj g"t'cpur qt'cv'kp"equ" qh'f g r kxgtkpi "vj g"i qqf "v"y j gtg'k'ku'equuwo gf "qt'wugf 0'Vj g"cxgtci g"r tleg"qh'c"i qqf "cv'vj g" r meeg"qh'wug'tghgeu'r tlegu"qh'vj g"i qqf "r tqf wegf "meem( "cpf "ko r qtvgf "gugy j gtg0

"

Uggri'r tqf wev'o cpw'cewtkpi "htqo "r wtej cugf "uvgri"PCKEU"5534+."cno kpc"cpf "cno kpwo " r tqf wev'kp"cpf "r tgeguukpi "PCKEU"5535+."cpf "hwpf tkgu"PCKEU"5537+"kpf wutkgu"ctg" cpv'ekr cvgf "vq'tgur gev'xgn( "gxr gtlgpeg"o tkgu'kp"vj gk'tgrv'xg"equu"qh'r tqf wev'kp"qh'20; 6' " /"20; 7' ."20; 9' " /"20; 2' ". "cpf "2045' " /"2053' "hqt"vj g"my /"cpf "j ki j /tcvg"uegpctkqu" t'gur gev'xgn(0'O qtgqxtg." vj gug" kpf wutkgu"ctg" cpv'ekr cvgf "vq" t'gur gev'xgn( "gxr gtlgpeg"cp" kpetgcug"kp"vj gk'tf g r kxgtgf "r tlegu"d{ "2078' " /"2079' ."2064' " /"2065' ."cpf "20; 2' " /" 20; 5' "hqt"vj g"my /"cpf "j ki j /tcvg"uegpctkqu"t'gur gev'xgn(0'

"

F g r kxgtgf "r tlegu"o c{ "ej cti g"ht"ur gekhe"i qqf u"qt"ugt'xlegu"o c{ "kpetgcug"cv"o c" i tgcvgt"tcvg"vj cp"r tgf levgf."cmqy kpi "kpewt'gf "equu"vq"dg"r cuugf "vj tqwi j "vq"fy pwtgco " kpf wutkgu"cpf "gpf /wugtu0F wg"vq"vj g"lpetgcugf "equu"ko r qugf "d{ "RCT"3629."vj g'tgo ckpki " ugevtu'ctg'cnuq'hkng( "vq" gxr gtlgpeg"lpetgcugu'kp"vj g'tgrv'xg"equu"qh'r tqf wev'kp"cpf "tgrv'xg" f g r kxgtgf "r tleg"y kj "t'gur gev'vq"vj gk'teqwv'gtr ctu'kp"vj g'tguv'qh'vj g"WLU'

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

## REFERENCES

EqtgNqi kēl 'O ctuj cml( 'Uy khl 'Gs wlr o gpvEqv'Kpf gz '\*O ( U'kpf gz +0Ncu'wr f cvg'tgegkxgf " 26423; 0

F wp"( 'Dtcf utggv'Gpvgtr tkug'F cvdcug0423; 0'

"

Geqpqo le" O qf grkpi " Ur gekrklu" Kpvtpcvkpcn' \*GO UK" ceeguugf " Lxpg" 49<sup>y</sup>." 423; ." [j wr u<ly y y Geqpqo leo qf grkpi Qgo 10GO UKF cvctwp"423; 040'](#)

"

Tgi kqpcn'Geqpqo le'O qf grkpi 'Kpe0\*TGO K0Rqne{ 'Kuki j vè 'hqt'yj g'Uqwj 'Eqcu' Ctgc"\*382/ ugevqt"o qf gn0Xgtukp"4008."423; 0'

"

Uqwj 'Eqcu' Ck'S wcrkv' 'O cpci go gpv'F kutlev0F tch'Uchl'Tgr qtv'Rtqr qugf 'Co gpf gf " Twg"3629"6'Eqpvtqn'qh'Go kukqpu'qh'Ctugple."Ecf o kwo ."cpf 'P kengnltqo 'P qp/ Ej tqo kwo 'O gvcn'O gnkpi 'Qr gtcvkpu."F kco qpf 'Dct.'EC0Lxpg"423; 0



# Proposed Amended Rule 1407 Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations

Governing Board Meeting  
September 6, 2019

# Background

---

- Rule 1407 was adopted in 1994
  - Implements the state Airborne Toxic Control Measure (ATCM) for Emissions of Toxic Metals from Non-Ferrous Metal Melting
- Objective is to reduce arsenic, cadmium, and nickel emissions from non-chromium metal melting operations
  - Non-chromium metal defined as any metal that contains less than 0.5% chromium
- Rule 1407 currently addresses non-ferrous metals which generally includes aluminum alloys, copper alloys, and super alloys





# General Approach

- Revise applicability from non-ferrous metals to non-chromium metals
  - Develop new rule to address chromium metal melting (Proposed Rule 1407.1)
- Proposed Amended Rule 1407
  - Revise emission standards
  - Tighten overly-broad exemptions
  - Add building enclosure provisions
  - Enhance emission control device monitoring and update housekeeping, source testing, and recordkeeping requirements
- Provisions are similar to lead melting rules (Rule 1420 series)

Alloy Type							
Al & Al Alloys (PAR 1407)	Carbon Steel (PAR 1407)	Brass (Rule 1420 or PAR 1407)	Bronze (Rule 1420 or PAR 1407)	Lead (Rule 1420)	Stainless Steel (PR 1407.1)	Alloy Steel (PR 1407.1)	Super Alloys (PR 1407.1)

# Emission Control Requirements

- For each toxic air contaminant individually:
  - Meet a control efficiency per furnace; or
  - Meet aggregate mass emission limit
- Source Testing
  - Initial source testing
  - Periodic source testing every 5 years
- Emission Control Device Monitoring
  - Demonstrate control equipment working properly

## Emission Limits

Arsenic

AND

Cadmium

AND

Nickel

99%  
reduction  
(per furnace)

OR

0.000066  
lbs/hour  
(aggregate)

99%  
reduction  
(per furnace)

OR

0.000514  
lbs/hour  
(aggregate)

99%  
reduction  
(per furnace)

OR

0.00848  
lbs/hour  
(aggregate)

Exemption from emission control requirements for facilities with:

- A Health Risk Assessment with a maximum individual cancer risk  $< 10 \times 10^{-6}$
- Air Toxics Inventory Report with a Facility Priority Score  $< 10$

# Fugitive Emission Controls

---

- Enhanced Housekeeping

## Cleaning

- Weekly cleaning
- Prohibition of use of compressed air

## Material Storage

- Enclosed storage area
- Building enclosure
- Covered container

## Other

- Remove weather caps
- Quarterly inspection of emission control devices

- Building Enclosures

- Addresses cross drafts in areas where metal melting operations occur, including metal grinding and cutting

# Exemptions

---

## Metal or Alloy Purity Exemption

- Current Rule 1407 has no throughput limitation for using the metal or alloy purity exemption
  - Despite the metals having relatively low concentrations of contaminants, facilities melting very large quantities can have significant arsenic, cadmium, and/or nickel emissions
- PAR 1407 includes a throughput limit for using the metal or alloy purity exemption

## Clean Aluminum Scrap Exemption

- Current Rule 1407 does not include concentration limits for arsenic, cadmium, or nickel when using clean aluminum scrap exemption
  - Clean aluminum scrap is free of contaminants (oil, paint, grease, etc.), but still may contain arsenic, cadmium, and nickel, which may result in emissions
- PAR 1407 phases out clean aluminum scrap exemption

# Key Issue

## *Amortization of Costs in the Socioeconomic Analyses*

Comment	Response
<ul style="list-style-type: none"><li>• Cost impact of PAR 1407 will occur in the first year after rule adoption</li><li>• The costs to facilities should not be amortized in the socioeconomic analysis</li><li>• The costs draw from the current operating budget of a business</li></ul>	<ul style="list-style-type: none"><li>• Socioeconomic analysis typically annualizes capital costs to allow for the cost of financing and the opportunity cost of capital</li><li>• Staff report includes total costs as requested by the commenter</li><li>• Between \$5.4 and \$6.4 million are one-time costs in the first year after rule adoption</li><li>• Total present worth value cost to meet the 2020 compliance date is \$43.4 million to \$59.6 million using a 4 percent or 1 percent discount rate respectively over a 21 year period</li></ul>

# Summary

---

- PAR 1407 will address emissions of arsenic, cadmium, and nickel from non-chromium metal melting operations by:
  - Limiting point source emissions from furnaces and associated cutting and grinding operations
  - Reduce fugitive emissions through enhanced housekeeping and building enclosure provisions
  - Revise overly broad exemptions that previously did not account for toxic air contaminant levels in metal processed
- Requirements in PAR 1407 are similar to recently adopted metal processing rules

# Recommended Actions

---

- Adopt the Resolution:
  - Certifying the Final Environmental Assessment
  - Amending Rule 1407



BOARD MEETING DATE: September 6, 2019

AGENDA NO. 25A

**PROPOSAL:** Determine That Community Emissions Reduction Plan for San Bernardino, Muscoy Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plan Per Assembly Bill 617

**SYNOPSIS:** Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and exposures, an implementation schedule, an enforcement plan, and a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs.

**COMMITTEE:** Stationary Source, July 26, 2019, Reviewed

**RECOMMENDED ACTIONS:**

1. Determine that the Community Emissions Reduction Plan for the San Bernardino, Muscoy community is exempt from the requirements of the California Environmental Quality Act; and
2. Adopt the AB 617 Community Emissions Reduction Plan for the San Bernardino, Muscoy community.

Wayne Nastri  
Executive Officer



## Background

California law known as Assembly Bill (AB) 617 established new requirements for improving air quality in California communities heavily impacted by air pollution. AB 617 requires a statewide strategy with focused actions for communities heavily impacted by air pollution. These actions include developing community air monitoring plans (CAMPs) and/or community emissions reduction plans (CERPs) to reduce emissions of toxic air contaminants (TACs) and criteria pollutants.

In 2018, the California Air Resources Board (CARB) adopted the Community Air Protection Blueprint (Blueprint) to guide the development (e.g., public process), content, and implementation of CAMPs and CERPs. An overview of the process to develop these documents as described in the CARB Blueprint is provided in Figure 1 – Overview of Community Emissions Reduction Program Process.

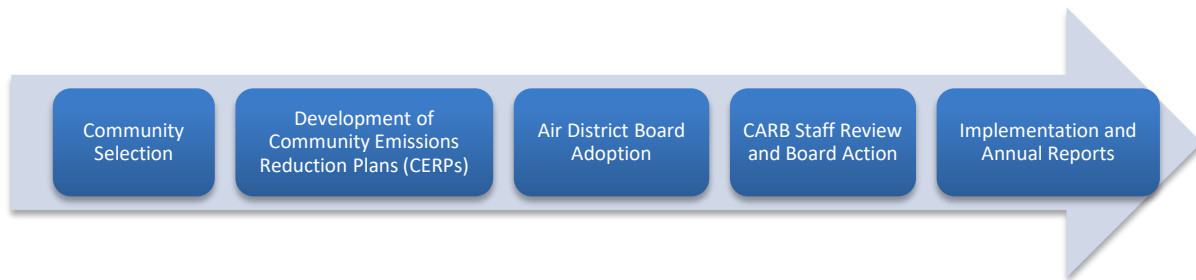


Figure 1: *Overview of Community Emissions Reduction Program Process*

On September 27, 2018 CARB designated three Year 1 communities within the South Coast AQMD for preparation of a CAMP and CERP for each community. The three communities approved by CARB were: 1) Wilmington, Carson, West Long Beach; 2) San Bernardino, Muscoy; and 3) East Los Angeles, Boyle Heights, West Commerce. The AB 617 statute directs air districts to adopt CERPs within one year of the CARB designation.

## Public Process

*Community Steering Committees, Technical Advisory Group and Public Outreach*  
Beginning October 2018, staff implemented a community-focused process to develop draft CERPs that focus on the air quality priorities for each Year 1 community. The cornerstone of this process was the formation of a Community Steering Committee (CSC) for each community. The CSCs are made up of active residents, community leaders, local business owners or workers, labor unions, community organizations, local agencies, schools, universities, hospitals, and elected officials. The CSC provided their input and guidance based on community expertise that was instrumental to developing the CERPs. CSC members also conducted their own community-level outreach to additional members within the community who may not have been able to attend our meetings. Since October 2018, a total of nine CSC meetings were held in each of the three communities, and approximately 50 – 100 people attended each meeting.

In February 2019, the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution, air monitoring and other technical analysis needed to develop the CAMPs and CERPs. Examples of topics discussed at TAG meetings are monitoring equipment, laboratory capabilities, and methodologies for developing emissions inventories. The TAG met in February, May, and July 2019.

In addition to the CSC and TAG meetings, staff held community workshops, and individual meetings with residents, community leaders, stakeholders, and public officials to enhance community participation and input in the development of the CERPs. South Coast AQMD staff also created a community webpage to post updates and information about the development of the CAMP and CERP.

### **Proposal**

Staff is recommending adoption of the CERP for the San Bernardino, Muscoy community. Through the CSCs and public participation at the community meetings, this community identified their highest priority air quality issues based on local sources of air pollution. The CSC worked with staff to develop a set of actions to be implemented by South Coast AQMD, in collaboration with other government agencies, organizations, businesses, and other entities. Each action is to be carried out based on a set of strategies with goals and timelines to reduce emissions or exposure. The entity (e.g., government agency, organization, or business) responsible for the actions is also identified. Some actions will be conducted within the timeframes specified in the plan, while other activities such as rules would continue to apply and be enforced beyond the implementation period of the plan.

The AB 617 Year 1 communities share some common air quality priorities that are primarily driven by the movement of goods throughout the region. For example, each CSC identified air pollution from trucks and equipment used at railyards as a community air quality priority. The need for prioritizing air pollution from these sources is not surprising, given that mobile sources are the overwhelming source of diesel particulate matter in these communities, which is the predominant contributor to air toxics cancer risk. The major diesel sources in this community are heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. Additionally, the communities expressed concerns about locations where children and populations who are more vulnerable to the effects of air pollution as an air quality priority for exposure reduction efforts.

This CERP is tailored to address the air quality priorities identified by this community. The actions to address the air quality priorities in the San Bernardino, Muscoy community are summarized below.

### *Air Quality Priorities*

The San Bernardino, Muscoy community identified neighborhood truck traffic, warehouses, the Omnitrans bus yard, railyards, concrete batch plants and asphalt/aggregate plants as air quality priorities for emission reductions actions. In addition, schools, childcare centers, community centers, and homes were priorities for exposure reduction efforts. Notable actions in the draft CERP for the San Bernardino, Muscoy community include: reducing emissions from heavy-duty trucks transiting the community by working with local land use agencies to establish designated truck routes, promoting the installation of infrastructure needed to support zero emission vehicles and equipment at warehouses, supporting a transition to zero emission transit buses, replacing older diesel-fueled equipment with cleaner technologies at railyards, and reducing children's exposure to harmful air pollutants by working with local schools to install high efficiency filtrations systems.

### **Key Issues**

#### *Emission Reduction Targets*

The CERP outlines a list of actions to address the air quality concerns prioritized by the CSC in this community. Some CSC members indicated that the CERP lacked quantifiable emission reduction targets and metrics, and strongly emphasized the importance of including metrics for emission reductions that can be quantified. Staff estimated emission reduction targets resulting from mobile source incentive projects to be 40 to 50 tons per year (tpy) of NO<sub>x</sub> and 0.5 to 0.6 tpy of diesel PM (DPM) based on historical data of past projects which replaced older diesel equipment with cleaner models. Additionally, CARB has committed to considering amendments to their rules and regulations to address the air quality priorities in this community. CARB's future Advanced Clean Truck Rule, Heavy-Duty Low NO<sub>x</sub> Rule, and the Heavy-Duty Inspection and Maintenance Rule are estimated to reduce an additional 82.6 tpy of NO<sub>x</sub> and 0.4 tpy of diesel PM in the community by 2029. The overall NO<sub>x</sub> and diesel PM emission reduction targets for this community are 75 tpy of NO<sub>x</sub> (10% reduction) and 0.9 tpy of diesel PM (10% reduction) by 2024, and 128 tpy of NO<sub>x</sub> (21% reduction) and 1.4 tpy of diesel PM (15% reduction) by 2029.

#### *Health Metrics and Outcomes*

Some CSC members have requested use of health metrics and outcomes as a tool to measure success from emission reductions under the AB 617 program. Such metrics are not, however, required or advisable. The primary metrics identified in the Blueprint focus on ways of measuring the reduction of emissions. The Blueprint recommends use of monitoring and/or modeling data. To the extent additional metrics are identified in the Blueprint, they include tracking the status of rules, the dollar amount invested in incentives, the number of various types of actions, including projects implemented, enforcement actions taken, public meetings held in community, interactions with public officials, trainings, outreach, workforce development, and technical capacity-building. (See Community Air Protection Blueprint, Appendix C, p. C33-C35.) All of these

metrics are more appropriate because they focus on items that are quantifiable and specifically tied to CERP actions. In comparison, a health metric cannot measure the success of CERP actions taken to reduce emissions because there are many factors which contribute to health outcomes and cumulative public health burdens. Moreover, short-term health benefits are difficult to assess, especially with the information that is available. One would need to conduct a study to establish a health baseline and track improvements over time. Such studies are costly and may not show the long-term health benefits achieved from the emission reductions in the CERP.

Although it is not currently feasible to use health metrics and outcomes as tools for measuring the success of the CERP, health data has been a critical part of this process. South Coast AQMD used health data in the prioritization of communities for the implementation of community plans. Health data also informed various policy decisions, including CARB's decision to focus on toxic air contaminants and PM2.5. The CERP will have positive impacts on public health, for example, by reducing emissions of diesel particulate matter, which is the primary contributor to air toxics cancer risk in the community. In addition, to bring further public health benefits to the community, the CERP includes actions to partner with local health organizations for direct public health interventions, such as asthma management programs. Similarly, the CERP includes actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program. The CERP also includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to school, childcare centers, and at community events. Finally, when CARB received a comment asking it to include tracking of health indicators, it did not agree that such tracking was appropriate. Instead, it too responded with information on the *other* ways that health data would be incorporated into the program. CARB declared: "Reducing emissions and improving air quality in overburdened communities will lessen the cumulative impacts that air pollution has on public health." (See CARB Summary of Comments – Community Air Protection Program, <https://ww2.arb.ca.gov/summary-comments-community-air-protection-program>)

### **California Environmental Quality Act (CEQA)**

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the CERP, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense

Exemption. The proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because it is designed to protect or enhance the environment. Further, the CERP contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. Additionally, the CERP may result in some minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures. The CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. The CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA. A Notice of Exemption has been prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

### **Implementation Plan/Schedule**

Implementation of the San Bernardino, Muscoy CERP is anticipated to begin in the third quarter 2019. CARB staff will begin reviewing and evaluating this CERP as soon as the third quarter 2019 and is expected to hold at least one public workshop in the South Coast AQMD prior to The CARB Board's consideration of each of the CERPs. CARB has scheduled a public hearing to approve the CERPs on March 16, 2020. The implementation of this CERP is to take place over approximately five years.

### **Benefits to South Coast AQMD**

Implementation of the San Bernardino, Muscoy CERP will help advance our mission to reduce air pollution at a community scale, especially in the most impacted and disadvantaged communities within South Coast AQMD's jurisdiction. The San Bernardino, Muscoy CAMP and CERP will serve as statewide models for AB 617 Year 2 implementation and beyond. Additionally, emissions reductions achieved through implementation of the CERPs will provide emission reduction co-benefits toward achieving state and national air quality standards.

**Resource Impacts**

The Community Air Protection incentive funds will be used toward implementing associated incentive projects. In 2019, South Coast AQMD received \$85,570,000 in total grant funding through the Community Air Protection funds, which includes 6.25% administrative funds. South Coast AQMD received \$10.8 million for the initial implementation of AB 617 and \$20 million for the first year of this program. There is no increase in the funding level for Year 2.

The anticipated resource needs for South Coast AQMD's ongoing implementation of AB 617 is \$30.7 million per year. This assumes that two to three new communities are added each year, and each community program lasts approximately five years with a maximum of 14 communities in the program simultaneously. There is no increase in the funding level for Year 2. Staff continues to work with the California state legislature to set aside sustained funding for AB 617 statewide. In June 2019, the Board approved an increase in toxics fees, which will help to provide resources for air toxics programs at South Coast AQMD, including some but not limited to AB 617 toxics-related efforts.

South Coast AQMD budget impacts for future years are dependent on the number of communities that are designated, and the amount of funding allocated by the legislature to support AB 617 implementation by the local air districts. Staff will be vigilant in monitoring all AB 617 related expenditures to ensure efficient use of resources and will use its experience and insights to plan and forecast future expenditures.

**Attachments**

- A. Infographic and Summary Table of the San Bernardino, Muscoy CERP
- B. Community Emissions Reduction Plan: San Bernardino, Muscoy
- C. Resolution
- D. Notice of Exemption
- E. Board Meeting Presentation





# AB 617 Community Emissions Reduction Plan for San Bernardino, Muscoy

The Community Emissions Reduction Plan (CERP) reflects the community's air quality priorities and brings new improvements to air quality in the San Bernardino, Muscoy community.

## How much air pollution will this Plan reduce?

The CERP will reduce pollution from trucks and other mobile sources. Specifically, the CERP target reductions for mobile source emissions are:

	By 2024	By 2029
NOx	75 tpy (~10% reduction)	128 tpy (~21% reduction)
Diesel PM	0.9 tpy (~10% reduction)	0.9 tpy (~15% reduction)

tpy = tons per year



The CERP will also reduce air pollution in other ways that are not yet quantifiable. This includes actions to conduct truck idling enforcement, reduce fugitive dust from certain facilities, and develop Indirect Source Rules for Warehouses and Railyards. The CSC and staff will track progress on these actions, along with the emission reductions.

## How will this Plan benefit the San Bernardino, Muscoy community?

### Incentive Funds

To accelerate replacement of old dirty trucks with technology that is cleaner than required.

### Focused Enforcement

To ensure rules are being followed, especially in the priority areas identified by the community.

### New Rule Development

To reduce emissions from mobile sources, which are the main contributors to air toxics in this community.

### Inter-agency work

To work with land use agencies to develop policies that reduce the impact of air pollution sources on residents.

### School Programs

To reduce the indoor levels of air pollution that children are breathing at school.

# What actions are in this Plan?

## Neighborhood Truck Traffic

- Idling truck sweeps and truck enforcement in priority areas
- Work with City and County to establish truck routes and parking areas
- Incentive funds for cleaner trucks
- Use data and new technology to help target incentive funding
- Develop Indirect Source Rules, Drayage Truck Rule, Advanced Clean Truck Rule, and Heavy-Duty Low NOx Rule



## Warehouses

- Develop Indirect Source Rule for Warehouses
- Enhance land use policies to reduce residents' exposure to truck emissions from warehouses (work with City and County)
- Work with local utilities to encourage zero-emission infrastructure



## OmniTrans Bus Yard

- Air monitoring near the facility to identify potential emission sources
- Support deployment of zero-emission buses and infrastructure



## Railyards

- Develop Indirect Source Rule for Railyards, Drayage Truck Rule, TRU Regulation, CHE Rule
- Work with CARB to consider new requirements on locomotives
- Work with BNSF to replace diesel equipment with cleaner technologies
- Work with local utilities to encourage zero-emission infrastructure



## Concrete Batch, Asphalt Batch, and Rock/Aggregate Plants

- Outreach to operators on best practices and rule requirements
- Focused air monitoring and inspections to identify potential emissions or violations



## Schools, Childcare Centers and Community Centers

- Clean Air Ranger Education (CARE) and Why Air Quality Matters (WHAM) programs at local schools
- Outreach to schools (partner with the SB County Public Health, CCAEJ, ChICCCAA, Safe Routes to School)
- Asthma management program (partner with Arrowhead Regional Medical Center)
- Air filtration systems
- Increase green space and plant trees



More details provided in CERP documents on this webpage:  
[www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/san-b](http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/san-b)

THANK YOU!

The South Coast AQMD staff thank the San Bernardino and Muscogee community members for their tireless efforts in developing this CERP.



## San Bernardino, Muscoy AB 617 Community Emissions Reduction Plan - Actions

		CERP Action Summary			Strategies						Key Entities	
AQ Priority	Action	Reduce Exposure	Reduce Emissions	Key Pollutant Type(s)	Regulations	Incentives	Enforcement	Public Info and Outreach	Air Monitoring	Collaboration	  Others	
Neighborhood Truck Traffic	<b>Action 1:</b> Reduce Emissions from Illegal Heavy-Duty Truck Idling in the Community (e.g. enforcement, idling sweeps)		●	Diesel PM, NOx			●	●		●	●	CSC members
Neighborhood Truck Traffic	<b>Action 2:</b> Reduce Emissions from Heavy-Duty Trucks Transiting the Community (e.g. incentives, truck routes, FBMSM, CARB rule development)		●	Diesel PM, NOx	●	●	●	●		●	●	City of SB, County of SB, CSC members
Neighborhood Truck Traffic	<b>Action 3:</b> Utilize Existing Traffic Information and New Technology to Identify Older Trucks for Incentive Programs		●	Diesel PM, NOx		●		●	●	●	●	City of SB, County of SB, CSC members
Warehouses	<b>Action 1:</b> Conduct Outreach to Local Governments to Encourage Avoidance of Air Quality Impacts from New Warehouse Development	●		Diesel PM, NOx				●		●		City of SB, County of SB
Warehouses	<b>Action 2:</b> Develop Proposed Indirect Source Rule for Warehouses	●	●	Diesel PM, NOx	●			●		●	●	CSC members
Warehouses	<b>Action 3:</b> Promote Installation of Infrastructure Needed to Support Zero-Emission Vehicles and Equipment		●	Diesel PM, NOx				●		●		Southern California Edison and other fueling providers
OmniTrans Bus Yard	<b>Action 1:</b> Conduct Air Monitoring to Identify the Composition and Level of Emissions Near the Omnitrans Bus Yard			Diesel PM, odors					●		●	
OmniTrans Bus Yard	<b>Action 2:</b> Support Omnitrans' Transition to Zero-Emission Buses		●	Diesel PM, NOx				●		●	●	OmniTrans
Railyards	<b>Action 1:</b> Reduce Emissions from Railyards (e.g. development of ISR, CARB regulations, incentive projects, and work with utilities on ZE infrastructure)		●	Diesel PM, NOx	●	●			●	●	●	BNSF and CSC members
Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants	<b>Action 1:</b> Reduce Fugitive Dust, Particulate Matter (PM10), and Odors		●	PM10, odors			●	●	●		●	
Schools, Childcare Centers, Community Centers, and Homes	<b>Action 1:</b> Reduce Exposure to Harmful Air Pollutants through Public Outreach (e.g. school-based programs, asthma management programs)	●		PM, Diesel PM, air toxics				●	●	●	●	SB County Public Health, Arrowhead Regional Medical Center, CCAEJ, ChICCCAA, others
Schools, Childcare Centers, Community Centers, and Homes	<b>Action 2:</b> Reduce Exposure to Harmful Air Pollutants at Schools, Childcare Centers, and Community Centers (e.g. air filtration systems)	●		PM, Diesel PM, air toxics						●	●	Schools, Childcare Centers, Community Centers
Schools, Childcare Centers, Community Centers, and Homes	<b>Action 3:</b> Reduce Exposure to Harmful Air Pollutants at Homes (e.g. weatherization, home filtration systems)	●		PM, Diesel PM, air toxics		●		●			●	
Schools, Childcare Centers, Community Centers, and Homes	<b>Action 4:</b> Increase Green Space in Areas Where People Spend Time	●		General				●		●	●	CSC members
Schools, Childcare Centers, Community Centers, and Homes	<b>Action 5:</b> Replace Older School Buses		●	Diesel PM, NOx				●			●	

**SUMMARY OF CHANGES TO AB 617  
COMMUNITY EMISSIONS REDUCTION PLANS (CERPS) BASED ON COMMENTS RECEIVED**

**San Bernardino, Muscoy CERP**

- New Additions to CERP
  - Executive Summary
    - Added summary of response to comments
  - Chapter 5e: Railyards
    - Added community meeting for Railyard Indirect Source Rule (ISR)
    - Added new implementing entities
  - Appendix 3a: Community Profile
    - Added list of RECLAIM and AB 2588 facilities
  - Appendix 4: Enforcement Plan
    - Added status of enforcement actions
  - Appendix: Response to Comments
    - Added response to comments
- Revisions to CERP
  - Chapter 5a: Introduction
    - Revised emission reduction targets based on CARB measures (NOx: 128 tpy, DPM: 0.9 tpy)

ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES



SAN BERNARDINO, MUSCOY

# COMMUNITY EMISSIONS REDUCTION PLAN

Draft Final



SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



THIS PAGE IS INTENTIONALLY LEFT BLANK

# Table of Contents

## Executive Summary

Executive Summary _____	ES-1
The Reader's Guide to the CERP _____	ES-2
Summary of Response to Comments _____	ES-3

## Chapter 1: Introduction

Introduction _____	1-1
Purpose of the Community Emission Reduction Plan (CERP) _____	1-2
CERP Development Process and Emphasis on Community Input _____	1-2
About this Community _____	1-2

## Chapter 2: Community Outreach, Community Steering Committee, and Public Process

Introduction _____	2-1
Community Liaisons _____	2-1
Community Kick-Off Meetings _____	2-2
Community Steering Committee (CSC) _____	2-3
CSC Roster _____	2-3
CSC Meeting Schedule and Co-Hosts _____	2-6
CSC Charter _____	2-8
Social Media Report _____	2-8
Community Webpage _____	2-8
Committee Presenters _____	2-10
Community Testimonials _____	2-11
Technical Advisory Group _____	2-12
Additional Community Engagement _____	2-14

## Chapter 3a: The Community Profile

Introduction _____	3a-1
Community Boundary, Air Quality Concerns and Air Quality Priorities _____	3a-1
Community Air Pollution Profile and Related Data _____	3a-6

## Chapter 3b: Community Profile – Source Attribution

Introduction	3b-1
Base Year emissions inventory and source attribution	3b-2
Future Year Emissions Inventory and Source Attribution	3b-13
Source attribution Summary	3b-22

## Chapter 4: Enforcement Summary

Introduction	4-1
Overview of Enforcement Program Purpose and Jurisdiction	4-1
Enforcement History	4-2
South Coast AQMD Enforcement History in this Community	4-2
CARB Enforcement History in this Community	4-4
Enforcement Approach - Program Structures	4-6
South Coast AQMD's Compliance and Enforcement	4-6
CARB Enforcement's Program Structure	4-9
How the Public Helps Reduce Air Pollution	4-11
Technology	4-12
The Interagency Approach	4-13
Enforcement Considerations	4-14

## Chapter 5: Actions to Reduce Air Pollution Emissions or Exposures

5a: Overview	5a-1
5b: Neighborhood Truck Traffic	5b-1
5c: Warehouse on-site emissions	5c-1
5d: Omnitrans Bus Yard	5d-1
5e: Railyards	5e-1
5f: Concrete Batch Plants, Asphalt, and Aggregate Plants	5f-1
5g: Exposure Reduction for Sensitive Populations in Schools, Childcare Centers and Homes	5g-1
5h: Implementation Schedule	5h-1
5i: California Environmental Quality Act (CEQA) Analysis Summary	5i-1

## Chapter 6: Air Monitoring Summary

Air Monitoring Summary	6-1
------------------------	-----

## Appendices

Appendix 2	Appendix 2-1
Appendix 3a	Appendix 3a-1
Appendix 3b	Appendix 3b-1
Appendix 4	Appendix 4-1
<u>Appendix RTC</u>	<u>Appendix RTC-1</u>

THIS PAGE IS INTENTIONALLY LEFT BLANK



## Executive Summary

This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC), the South Coast AQMD, and the California Air Resources Board (CARB) to reduce air pollution in the San Bernardino, Muscoy community. An essential piece of the AB 617 program is the partnership and collaboration with the community to ensure that the CERP addresses the community's air quality priorities. At the center of these efforts is the CSC that was established, in part, to participate in the development and implementation of these plans. The CSC is a diverse group of people who live, work, own businesses, and/or attend school within the community. Local land use agencies, the local public health department, a local utility, and representatives from local universities and elected officials who serve the community are also part of the CSC. CSC members provided guidance, insight, critique, and community wisdom, all of which were elements in the development of the CERP. The CERP is a critical part of implementing Assembly Bill 617 (AB 617), which is a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. The AB 617 program aims to invest new resources and conduct focused actions in these communities to improve air quality as a step toward environmental equity.

The San Bernardino, Muscoy community identified the following air quality priorities to be addressed by this plan:

- Neighborhood truck traffic
- Warehouse on-site emissions
- Omnitrans bus yard
- Railyards
- Concrete batch, asphalt batch, and rock and aggregate plants
- Schools, childcare centers, community centers, and homes – exposure reduction

At its core, this plan seeks to address the identified priorities with actions that reduce air pollution emissions from sources within this local community as well as reduce air pollution exposures to the people in this community. The plan includes targeted actions using complementary strategies, including developing and enforcing regulations, providing incentives to accelerate the adoption of cleaner technologies, and conducting outreach to provide useful information to support the public in making informed choices. Additionally, air monitoring strategies will be used to help provide critical information to help guide investigations or provide public information. Collaborative efforts with other agencies, organizations, businesses, and other stakeholders will amplify the impact of these actions. Many of the actions will only be conducted during the time frame of this plan, there are also many actions (such as regulation, ongoing enforcement activities, and certain incentive programs) that will be ongoing activities conducted by the South Coast AQMD.

This plan focuses on improving air quality ~~seeks to bring real air quality improvements~~ in the San Bernardino, Muscoy community, through concentrated ~~focused~~ efforts and community partnerships. The CSC will continue to be engaged throughout the process of implementing the CERP and tracking its progress.

### The Reader's Guide to the CERP

The opening chapters provide background information about the AB 617 program and timeline (Chapter 1), the CSC process and community engagement (Chapter 2), and information about the air pollution sources in the community (Chapter 3).

Information about past and ongoing enforcement activities conducted by both the South Coast AQMD and CARB enforcement staff are described in Chapter 4. This information will provide insights into enforcement efforts going forward.

The specific actions to be implemented are described in Chapter 5 – Actions to Reduce Community Air Pollution. This chapter is organized by air quality priority area, and the strategies proposed for each priority area are presented in the CERP action templates. Within each CERP action, the responsible entities are identified, along with the timeframe and goals for implementing the proposed action. The CERP actions are numbered in the order in which they are presented in each section. Chapter 5 also includes a California Environmental Quality Act (CEQA) analysis based on the proposed actions within this plan.

A summary of the air monitoring approach is included in Chapter 6. These efforts are described in much greater detail in the Community Air Monitoring Plan (CAMP),<sup>1</sup> which serves as the sister document to the CERP. The actions described in Chapter 5 include specific air monitoring activities, as they relate to other specific actions in the CERP. The CAMP describes the overall air monitoring approach to address the community air quality priorities. Findings from air monitoring will help to evaluate next steps, and South Coast AQMD staff will work with the CSC to review findings and make necessary adjustments.

The Appendices ~~Appendix~~ to the CERP will include additional reference material related to the CERP content.

### References

1. South Coast AQMD, Community Air Monitoring Plan for San Bernardino, Muscoy, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6), Accessed July 16, 2019.

## Summary of Response to Comments

The CSC, South Coast AQMD and CARB closely collaborated to develop the San Bernardino, Muscoy CERP. Development of the CERP occurred over a year-long process that included 9 CSC meetings, 3 Technical Advisory meetings, 2 Community Workshops, and over 25 individual meetings. The South Coast AQMD staff received over 200 comments from industry trade organizations, businesses, government agencies, community members, environmental organizations, and other entities for the CERP. The table summarizes each comment and identifies if the commenter's request is included (●) or not included (◆) in the CERP. The table also provides a brief staff response that explains where requests that are included in the CERP can be found or why the request was not included. More detailed responses to comments can be found in Appendix RTC of the San Bernardino, Muscoy CERP.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
<b>General Concerns on the CERPs</b>				
i	Perform a community health assessment in order to have quantifiable goals and targets	Andrea Vidaurre, Ericka Flores (Center for Community Action and Environmental Justice); Christopher Chavez (Coalition for Clean Air)	◆	Reducing air pollution will have public health benefits, and the most direct method to measure plan progress is to evaluate what emission reductions have been achieved. In addition, conducting a study to establish a health baseline and track improvements over time is costly and may not show the long term health benefits achieved from the emission reductions in the CERP. In Chapter 5g, Action 1, staff includes a collaboration with Arrowhead Regional Medical Center to provide outreach to schools for asthma-related programs (i.e., Breathmobile program), which has a direct impact on improving public health. Emission reductions in the CERP provide long term benefits for public health.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	CERP lacks emission projections or reduction targets	Christopher Chavez (Coalition for Clean Air), Matt Abularach-Macias (California League of Conservation Voters & CLCV Ed Fund)	●	The source attribution analysis is in Chapter 3b and includes baseline and projected emissions. Emission reduction targets have been identified, where quantifiable, and are included in Chapter 5a.
iii	Support the accelerated adoption and prioritization of zero-emission technology and a robust, clean electric infrastructure	Andrea Vidaurre, Ericka Flores (Center for Community Action and Environmental Justice), Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund	●	The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near-zero) through incentives to achieve much needed emissions reductions sooner. Incentives can be used toward infrastructure projects and is also included in the CERP.
iv	Provide an effectiveness analysis for enforcement and outreach activities	Luis Portillo (Inland Empire Economic Partnership)	●	Staff agrees that resources should be used toward actions that are effective in reducing emissions, and will discuss with the CSC any suggested adjustments to the strategy. Staff will evaluate the effectiveness and necessity of the enforcement actions based on data collected (i.e., from idling sweeps).

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
v	Actions in the CERP should go above and beyond what is already required in the region	Andrea Vidaurre, Ericka Flores (CCA EJ)	●	Actions specified in the CERP have been written to address the air pollution sources prioritized by the CSC within the San Bernardino, Muscoy community. These actions are community specific and go beyond existing efforts that are outlined in the Air Quality Management Plan (AQMP).
vi	CARB should take a more active role in the creation, implementation, and reassessment of the CERP	Andrea Vidaurre, Ericka Flores (CCA EJ)	●	CARB agrees to take an active role in providing emissions reductions in the San Bernardino, Muscoy community. CARB staff will continue to work collaboratively with the San Bernardino, Muscoy community and South Coast AQMD on the implementation of the CERP.
vii	Emission reductions should meet the State Implementation Plan (SIP) creditable criteria. However, emission reductions that do not meet these criteria should not be excluded	Christopher Chavez (Coalition for Clean Air)	●	South Coast AQMD staff continues to pursue a suite of actions to achieve emission reductions, including some that meet SIP creditable criteria, and some that do not meet the criteria but are equally important to reducing emissions in this community.
viii	CERP relies on incentive funding and does not assign responsibilities to polluters	Christopher Chavez (Coalition for Clean Air)	●	A suite of strategies are used to address the air quality priorities; however, incentive funding is only provided toward projects that reduce emissions above and beyond current requirements. Any regulations adopted by the South Coast AQMD and CARB will be applicable to those entities subject to the regulations.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ix	CERP does not mention BARCT requirements	Christopher Chavez (Coalition for Clean Air)	●	RECLAIM NOx facilities, typically larger facilities, will transition to a command-and-control regulatory structure to meet BARCT and Appendix 3a identifies one RECLAIM facility in this community. The rules affected by the RECLAIM transition will also incorporate equipment at non-RECLAIM facilities that are within the community and do not meet BARCT requirements by requiring these facilities to do so. The BARCT assessment is still currently being conducted and the list of affected non-RECLAIM facilities has not been finalized.
x	Specifics on what a “living document” means to be written in the CERP	Matt Abularach-Macias (California League of Conservation Voters & CLCV Ed Fund)	●	The CERP specifies that the document is written with built-in flexibility to allow for adjustments as new information (e.g., air monitoring data, new technology, etc.) becomes available.
xi	Language in the CERP should be user-friendly	Mary Valdemar (San Bernardino Valley College)	●	Staff has tried to make the more technical sections of the CERP to be more user-friendly by including explanations of tables, clarifying language, and improving readability of some graphs.
xii	What do the ton per year reductions represent as percentages in relation to the total emissions that are being emitted in the community?	Matt Abularach-Macias (California League of Conservation Voters & CLCV Ed Fund)	●	NOx and DPM percentage reductions have been calculated based of the community's baseline and they have been added to Chapter 5a.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
xiii	Is 1,3 butadiene being considered in the CERP?	Andreas Beyersdorf (Cal State University San Bernardino)	●	Diesel PM is the biggest contributor to the overall cancer risk in the community; therefore, a large part of the CERP is focused on addressing these emissions. In addition, the CSC has prioritized mobile sources, which are a large contributor to diesel PM. While 1,3-butadiene is not specifically a target pollutant for reduction, it is a component of diesel exhaust. Therefore, reducing diesel emissions will also reduce 1,3-butadiene emissions.
xiv	What actions are taken if polluters do not comply with rules and regulations?	Jason Martinez Chicano Indigenous Community for Culturally Conscious Advocacy & Action (ChICCCAA)	●	If polluters do not comply with South Coast AQMD rules and regulations, they will be subject to enforcement action that potentially include orders for abatement and actions for civil penalties. For the most egregious cases, referral to local criminal prosecutors is also a possibility. (see Appendix 4).
xv	Actions to reduce emissions should be based on technical review of sources contributing to community-level exposures	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)	●	The source attribution analysis is included in Chapter 3b and identifies the baseline emissions and the source contributors to this community. The analysis supports the actions to address the sources prioritized by the CSC.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
xvi	South Coast AQMD staff should work with all stakeholders to ensure that data collection, data interpretation and communications of results will be clear, transparent, and understandable	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)	●	Staff will continue efforts to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. The AB 617 Community Air Monitoring website and its Data Display tool has launched and provides community air monitoring data.
xvii	South Coast AQMD should establish realistic timeframes and work with community members while developing, tracking and quantifying effective program	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)	●	The CERP includes emission reduction goals and a course of action (i.e., step-by-step measures) with an estimated timeline. Staff will provide updates to the CSC on emissions reduction progress.
<b>Neighborhood Truck Traffic</b>				
i	Increase incentives to replace older trucks	Luis Portillo (IEEP)	●	Staff is reviewing opportunities to improve funding for programs to accelerate fleet turnover to cleaner vehicles.
ii	Identify where older trucks operate to direct existing resources more effectively	Luis Portillo (IEEP)	●	Staff will work with CARB to explore the feasibility of using the Automated License Plate Reader (ALPR) system for targeted outreach on incentives for trucks in this community (see Chapter 5B, Action 3)
iii	How can community members report idling vehicles?	Ryan Sinclair (Loma Linda University)	●	Idling vehicles can be reported to 1-800-CUT-SMOG. Chapter 5, Action 1, has also been incorporated into the CERP to provide information to the community on reporting idling trucks.



#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
iv	Scrappage programs should be used to maximize emission reduction programs	Priscilla Hamilton (SoCalGas)	●	Older, higher polluting trucks that are replaced with cleaner technology through the Carl Moyer Program or Prop 1B are scrapped.
v	Funding technology advancement is contrary to the purpose of AB 617 - Current year incentives should be used for available technologies	Priscilla Hamilton (SoCalGas)	●	The community has prioritized zero-emission technology where commercially available and technologically feasible; thus, funding technology advancement will expedite the development, demonstration, and commercialization of these types of technologies. Current year incentives will be used for available technologies.
vi	Incentives should prioritize technologies that can maximize emission reductions today	Priscilla Hamilton (SoCalGas)	●	The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near-zero) through incentives to achieve much needed emissions reductions sooner.
vii	CERPs should include a discussion of what funds have been allocated to date and how investments will achieve quantifiable results and community benefits.	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)	●	This information will be provided in the annual progress reports, and also provided to the CSC as part of the periodic updates.
<b>Warehouses</b>				

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
i	Implement and provide updates on the Facility Based Measures and Indirect Source Rules (ISR) for warehouses	James Albert (San Bernardino resident), Andrea Vidaurre, Ericka Flores (CCA EJ), Christopher Chavez (CCA)	●	Staff will continue to develop the proposed ISR for warehouses and provide updates to the CSC as specified in Action 2 of Chapter 5c. Staff encourages CSC members to participate in the rule development process.
ii	Require green space to reduce air pollution within the community and noted green spaces have been compromised by warehouse development	Several members of the public, Valerie Dobesh, Ericka Flores and Andrea Vidaurre (CCA EJ)	●	Action 4 in Chapter 5g includes identifying new or existing sources or programs that can provide funding for tree planting. In addition, in Chapter 5c, Action 1, South Coast AQMD will work with the City of San Bernardino and San Bernardino County staff to discuss and enhance land use policies to reduce residents' exposure to emissions from trucks visiting warehouse facilities.

Railyards				
i	Environmental Railyard Research Impacting Community Health (ENRRICH) study ignores the potential impacts of other emission sources near the San Bernardino railyard and BNSF disagrees with the authors' conclusions	LaDonna DiCamillo (BNSF)	●	The ENRRICH study provided new information about public health outcomes that were identified as community priorities (e.g. asthma, cancers). Drawing conclusions about causality is complex and typically requires a comprehensive review of the scientific literature; such efforts are not the aim of the CERP.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	BNSF requests that the District consult with the railroads before conducting new fenceline and/or mobile monitoring	LaDonna DiCamillo (BNSF)	●	Staff will continue to engage all members of the CSC (including BNSF) on future air monitoring strategies through quarterly or biannual updates. If monitoring is required inside the BNSF facility, South Coast AQMD staff will work with BNSF staff to coordinate these efforts.
iii	CERP needs to commit to a strong ISR for railyards	Christopher Chavez (CCA)	●	South Coast AQMD will continue to develop the ISRs in parallel to the AB 617 efforts and provide updates to the CSC on the rule development process. Details of ISR requirements need to be conducted in the rule development process so that all stakeholders can participate in the public process.
iv	More information on current efforts to reduce emissions from railyards is needed, and railroads still need responsibilities assigned to them	Christopher Chavez (CCA)	●	Staff has added BNSF to the Implementing Agency, Organization, Business or Other Entity with responsibilities in Chapter 5e. Any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those entities subject to the rules and regulations.
v	BNSF should provide updates to the community	Andrea Vidaurre (CCA EJ)	●	BNSF will continue their participation in FBMSM workshops, work with South Coast AQMD to identify potential emission reduction opportunities within the San Bernardino BNSF Railyard, and work with South Coast AQMD to provide updates to the CSC on current and future emission reduction efforts. This has been included in Chapter 5e, Action 1, under "Implementing Agency, Organization, Business or Other Entity".

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
<b>Other</b>				
i	The CERP should anticipate emissions impacts from the San Bernardino International Airport	Christopher Chavez (CCA)	●	Although the San Bernardino International Airport is not within the community boundary, the primary concerns with the expansion include the increase in warehouse development, trucks, and truck traffic. Emissions from these air quality concerns will be addressed through actions in the CERP.
ii	Public meetings for rule development held by South Coast AQMD and CARB should follow the same model as the CSC meetings to accommodate working people	Mary Valdemar (SB Valley College)	●	The CERP includes a commitment to hold at least one public meeting for the Warehouse ISR and one public meeting for the Railyard ISR development in or near the Inland Empire. Public meetings conducted for rule development will be evaluated on a case-by-case basis to accommodate stakeholders.

---

# CHAPTER 1:

## INTRODUCTION

---

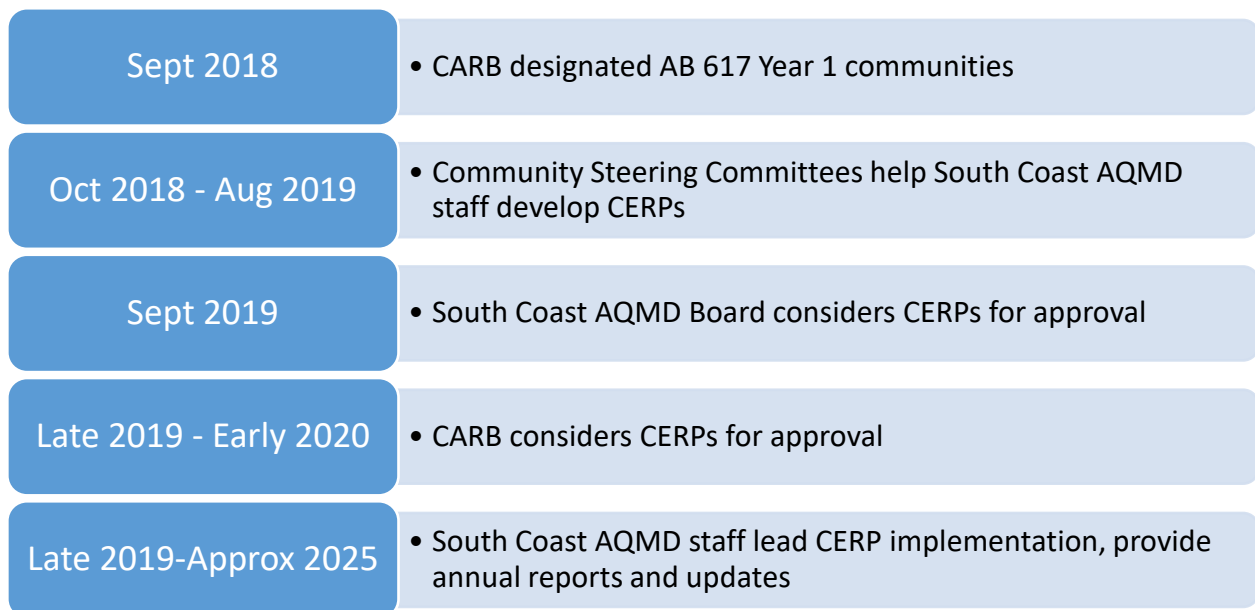
THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 1 : Introduction

Assembly Bill (AB) 617 was signed into California law in July 2017 and focuses on addressing local air pollution in environmental justice (EJ) communities. The bill recognizes that while California has seen tremendous improvement in regional air quality, some communities are still disproportionately impacted by local sources. Major local sources of air pollution in EJ communities include mobile sources (trucks, trains, ships, etc.) and industrial facilities. These communities also experience social and economic disadvantages that make people more vulnerable to the health effects of pollution. The AB 617 program provides focused action and additional resources to address air quality in these communities.

On September 27, 2018, the California Air Resources Board (CARB) designated 10 communities across the state to implement community plans for the first year of the AB 617 program. Local air districts are tasked with developing and implementing community emissions reduction and/or community air monitoring plans in partnership with residents and community stakeholders. The Community Air Monitoring Plan (CAMP) includes actions to enhance our understanding of air pollution in the designated communities, and support effective implementation of the Community Emissions Reduction Plan (CERP). For the three (3) first year AB 617 communities in the South Coast AQMD, both a CAMP and a CERP are being developed. Separate documents describe the CAMP development process and the draft plan. Information is available at [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617). Figure 1-1 gives a general overview of the CERP timeline.

Figure 1-1: Overview of Community Emissions Reduction Plan (CERP) Timeline for Year 1 Communities



### Purpose of the Community Emissions Reduction Plan (CERP)

The CERP is a plan for achieving air pollution emission and exposure reductions within the San Bernardino, Muscoy community, and is tailored to address this community's air quality priorities. The CERP includes actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP, as well as additional elements that are relevant to developing an effective CERP. Community partnership and engagement have been crucial throughout the process.

Because the work to implement the CERP and CAMP is dynamic, certain action items have been written with built-in flexibility to allow adjustments as new information becomes available. South Coast AQMD staff is committed to working with Community Steering Committee (CSC) members to evaluate ongoing actions and progress.

### CERP Development Process and Emphasis on Community Input

Community engagement and input to inform both the process and the actions in the CERP have been a primary element of the AB 617 program. The San Bernardino, Muscoy CSC, working with the South Coast AQMD staff, are seeking to address the community's air quality priorities through development and implementation of this CERP. In addition to public meetings, numerous conversations and communications took place among committee members, South Coast AQMD staff, individuals and small groups ~~occurred~~ to ensure that community voices were an integral part of the plan. Chapter 2 describes the CSC process and the outreach that was conducted. Throughout the process, information exchanges between all parties, including feedback and input from committee members and members of the public ensured transparency and engagement. Numerous adjustments to consolidate and incorporate feedback were made and South Coast AQMD staff continuously aims to improve community engagement on air quality issues.

### About this Community

This community includes major portions of the City of San Bernardino and all of the unincorporated community of Muscoy, both of which are located in San Bernardino County (Figure 1-2).

More than 90,000 people live within the San Bernardino and Muscoy community (Figure 1-3). Nearly three-quarters of the people living in this community are Latino (Figure 1-4). About 13.1% of the residents in this community are African American and 9.3% are White. The population in this community is younger compared to the population in the state of California, with nearly one out of every five people in this community being a child under the age of 10 years, and only 7.0% of the population being adults over the age of 65 years (Figure 1-5). These age categories are particularly important because young children and older adults can be more sensitive to the health effects of air pollution.<sup>1</sup>



Figure 1-2: Location of the San Bernardino, Muscoy community in the South Coast AQMD jurisdiction

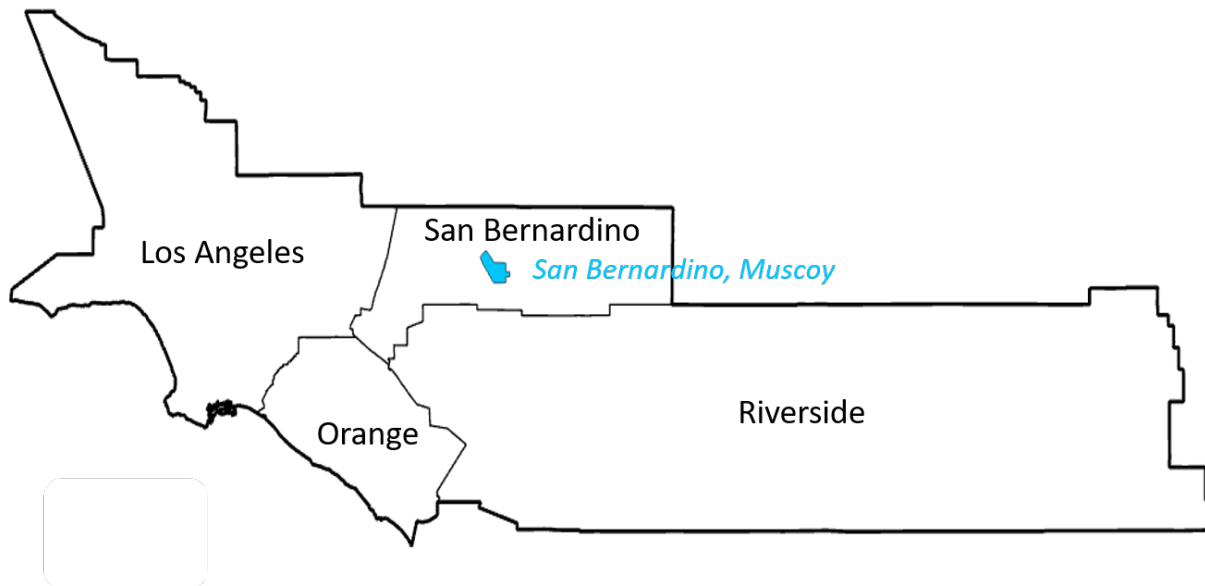


Figure 1-3: Population of San Bernardino, Muscoy community, based on the 2010 Census

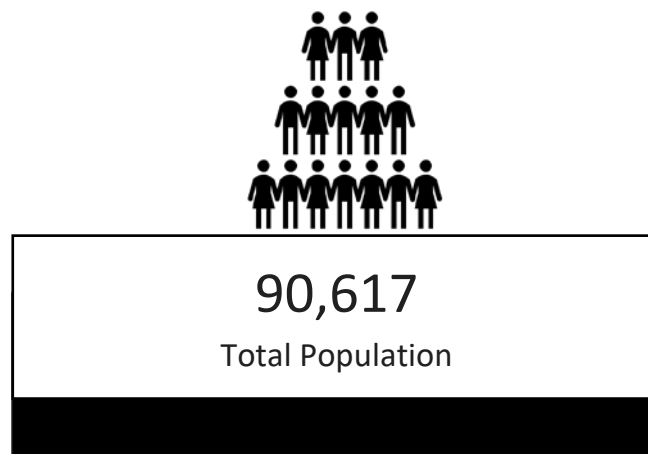


Figure 1-4. Population by Race/Ethnicity in San Bernardino, Muscoy and the state of California, based on 2010 Census

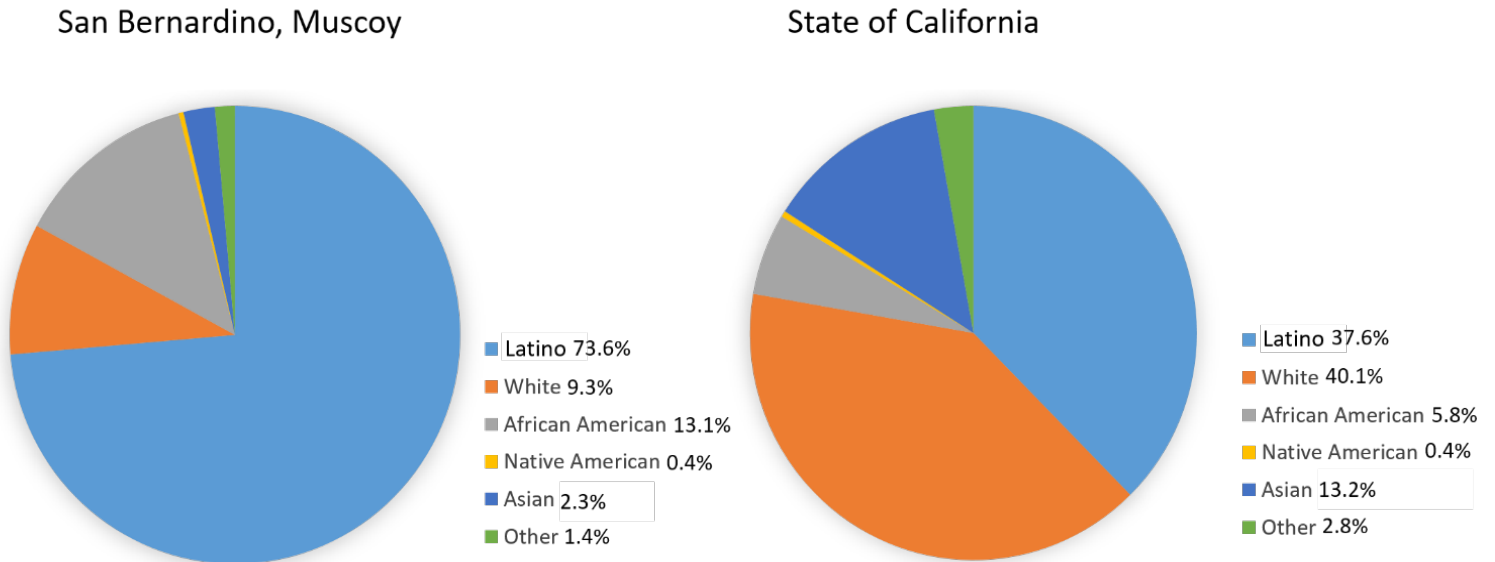
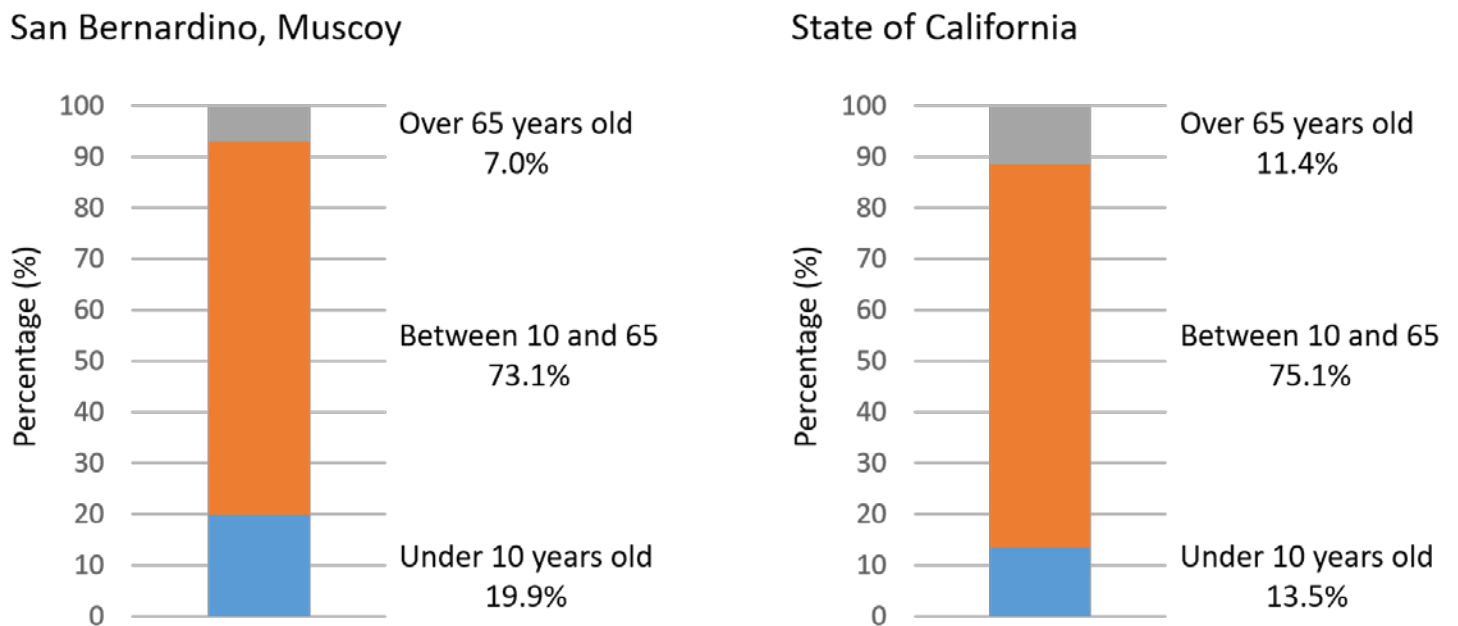


Figure 1-5. Age profile in San Bernardino, Muscoy and the state of California, based on 2010 Census



While the demographics and geography provide useful information, the members of the community are what make each community unique and distinct. Community members bring intimate familiarity with their community and the air quality concerns that affect their neighborhood. Below are some community voices describing this community.



*"I have been organizing and working with the youth and in this community for over 20 years. When I see the news about the deaths from gun violence I know that isn't the truth. It is air quality that is killing our youth. It's a conversation that is critical to the future of our community, especially the youth, and more importantly their health. They can't breathe the air. If we don't work together in this community to solve this issue, all the work we do around social justice, education and civil rights is for nothing. It is the most urgent need that our community faces."* - Mary Valdemar, Community Steering Committee Member, San Bernardino Valley College

*"I have been a resident in the San Bernardino area for over 20 years and I have seen how resilient my community is. We will fight together to clean our air. La unión hace la fuerza."* - Miguel Rivera, Community Steering Committee Member, Active Resident from Muscoy



*"I grew up as a youth in San Bernardino with asthma and I have stayed in this community, because I think it is a diamond in the rough. I am waiting for its day in the sun and I think air quality is so important to its success."* - Mathew Taylor, Community Steering Committee Member, Active Resident from San Bernardino

*"I love my community because this is where I live. My children and my grandchildren were raised here, my husband works here, and this is where my house is. I have been living here for a long time and together we have walked the streets to help the people who are the most in need. I wish we had cleaner air because there are many people who are getting sick."* - Graciela Regalado, Community Steering Committee Member, Active Resident from San Bernardino

## References

---

1. Office of Environmental Health Hazard Assessment (2014), California Communities Environmental Health Screening Tool, Version 2.0, <https://oehha.ca.gov/media/CES20FinalReportUpdateOct2014.pdf>, Accessed June 12, 2019.

---

# CHAPTER 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 2: Community Outreach, Community Steering Committee and Public Process

### Introduction

Community engagement and a public process were critical in the Community Emissions Reduction Plan (CERP) development effort. Key features of the outreach efforts include establishing a Community Steering Committee (CSC), holding monthly meetings that were also live-streamed on the internet, during which, CSC members, and South Coast AQMD and CARB staff made presentations, provided materials via email and on the internet webpage, live-streaming all CSC meetings, and established establishing a Technical Advisory Group (TAG). In addition, numerous interactions between CSC members and South Coast AQMD staff occurred in one-on-one or small group meetings, allowing for in-depth discussions on joint development and creation of the CERP.

### Chapter 2 Highlights

- The Community Steering Committee (CSC) and Technical Advisory Group worked with South Coast AQMD staff to develop the CERP
- Monthly meetings were held in the community to engage the CSC and public
- The Community Liaison served as the point of contact
- Additional one-on-one, small group, and community meetings also played an important part in community engagement
- A Community Webpage was created as an information portal

### Community Liaisons

The South Coast AQMD Community Liaison for the San Bernardino, Muscoy (SBM) community is Daniel Wong ([dwong@aqmd.gov](mailto:dwong@aqmd.gov)). In addition, Pedro Piqueras ([ppiqueras@aqmd.gov](mailto:ppiqueras@aqmd.gov)) serves as the South Coast AQMD point of contact for CERP-related input. The Community Liaison serves as the point of contact to communicate with members of the CSC and members of the public to address concerns regarding logistics and implementation of the CERP and Community Air Monitoring Plan (CAMP) (Figure 2-1). The Community Liaison ensures communication throughout the CERP development process and works with community members to identify the

Figure 2-1: South Coast AQMD staff assisting CSC members and the public at a meeting in San Bernardino



best ways to make information accessible and user-friendly.

## Community Meetings

Community meetings were hosted by South Coast AQMD staff on an approximately monthly basis in the community. This included one kick-off meeting and a series of CSC meetings.

### Community Kick-Off Meeting

In October 2018, kick-off meetings were held in each of the communities within the South Coast AQMD designated by CARB to be included in Year 1 of the AB 617 Program. During these meetings, the role of the CSC was described by South Coast AQMD staff. Briefly, the CSC provides input and guidance to design actions for the community, for integration into the CERP as well as the CAMP. Community members had an opportunity to fill out an Interest Form during the kick-off meeting to express their interest in being a CSC member, and were then notified by mail or by phone if they were selected as a member or an alternate.

The Community Kick-Off Meeting in the San Bernardino, Muscoy community was held on Tuesday October 9, 2018 at the Ruben Campos Community Center (Figure 2-2). Approximately 60 people attended the meeting. In addition to receiving information about AB 617, attendees were invited to visit a variety of booths, which provided information about some existing South Coast AQMD programs, community air monitoring, community air measurement efforts, and incentive programs.

Figure 2-2: Community kick-off meeting at Ruben Campos Community Center, San Bernardino





### Community Steering Committee (CSC)

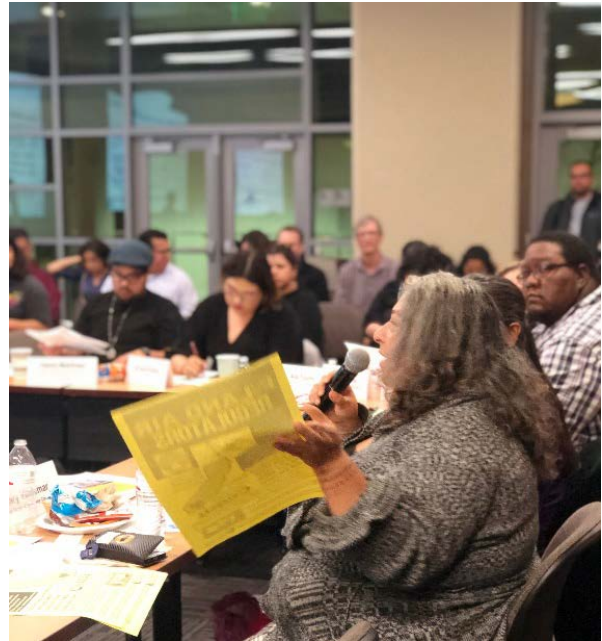
A Community Steering Committee (Figures 2-3 and 2-4) was formed for the San Bernardino, Muscoy community, and monthly meetings were organized. The meetings were typically held on Thursday evenings, and all CSC meetings were held in locations within the community. All meetings were open to the public.

### CSC Roster

CSC membership is comprised of stakeholders with community knowledge to help drive community action. The CSC creates a way to incorporate community expertise and direction in the development and implementation of clean air programs in each community. Staff will continue to seek recommendations and feedback from the CSC as the CERP is being implemented, and adjust the outreach approaches as needed to be even more effective.

The CSC roster for the San Bernardino, Muscoy community is provided in Table 2-1. This CSC has 23 primary members and four alternate members representing active residents, community organizations, and businesses. While 12 primary members are on the roster representing Active Residents, an additional two primary members also reside within the community (resident percentage on the CSC = 60.9%). Additionally, there are 10 primary members and eight alternate members representing agencies, schools/universities, or offices of elected officials who serve this community.<sup>i</sup> The roster with member biographies is available on the webpage: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/roster-with-bios.pdf?sfvrsn=8>.

Figure 2-3: Mary Valdemar (San Bernardino Valley College), presenting outreach materials at the Community Steering Committee meeting in San Bernardino



---

<sup>i</sup> Per discussion with CARB staff, members representing agencies, schools, universities, hospitals, and offices of elected officials are not included in the calculation of resident percentage on the CSC.

Figure 2-4: Community Steering Committee meeting in San Bernardino



Table 2-1: CSC Roster for the San Bernardino, Muscoy community<sup>ii</sup>

Affiliation	Primary Member	Alternate Member
<b>Community Organization</b>		
Chicano Indigenous Community for Culturally Conscious Advocacy and Action	Jason Martinez	
Muscoy Action Committee	Jane Hunt-Ruble	
Center for Community Action and Environmental Justice (CCA EJ)	<u>Andrea Vidaurre</u> (previously Ericka Flores)	<del>Andrea Vidaurre</del>
Inland Region Equality Network	Angelica Balderas	
Safe Routes to School	Demi Espinoza	
California League of Conservation Voters Education Fund	Matt Abularach-Macias	
<b>Active Residents</b>		
Active Resident - San Bernardino	Valerie Dobesh	
Active Resident - San Bernardino	Mathew Taylor	
Active Resident - San Bernardino	Ruben Garza	
Active Resident - San Bernardino	Maria G. Corona	
Active Resident - San Bernardino	Graciela Regalado	
Active Resident - San Bernardino	Olga Medina	
Active Resident - San Bernardino	Lorena Rodarte	
Active Resident - San Bernardino	James Albert	
Active Resident - San Bernardino	Ada Trujillo	
Active Resident – Muscoy	Miguel A. Rivera	
Active Resident – Muscoy	Christopher Alonso	
Active Resident - Muscoy	<u>Cesar Magana</u> (previously Abram Gastelum)	
<b>Elected Officials</b>		
Office of Assemblymember Eloise Reyes	Maha Rizvi	
Office of Supervisor Josie Gonzales	Erika Willhite	Lisha B. Smith
<b>Agency, School, University or Hospital</b>		
San Bernardino County Land Use Planning	Karen Watkins	Suzanne Peterson
San Bernardino County Department of Public Health	Bernadette Beltran	Corwin Porter
Cal State University San Bernardino (CSUSB)	Andreas Beyersdorf	Rudy Morales Gamez

<sup>ii</sup> This roster was last updated July 18, 2019 at CSC Meeting #8.

City of San Bernardino	Chantal Powers	Elizabeth Mora-Rodriguez
OmniTrans	Anna Jaiswal	Jeremiah Bryant
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang	Dr. Ryan Sinclair
San Bernardino County Transit Authority	Otis Greer	Nicole Soto
San Bernardino Valley College	Mary Valdemar	
<b>Business, Business Organization or Labor Organization</b>		
Railroads – BNSF	LaDonna DiCamillo	Marisa Blackshire
Warehouse/Logistics - Pacific Mountain Logistics - San Bernardino	B.J. Patterson	
Southern California Edison	Christopher Abel	Tammy Yamasaki
Wyatt's Paint & Body, Inc.	Kris Wyatt	Randy Wyatt
Tacos Don Ramon	Angel Rodriguez	
<b>Former Members</b>		
Active Resident – San Bernardino	Joshua Bell	
<u>Center for Community Action and Environmental Justice (CCA EJ)</u>	<u>Ericka Flores</u>	
<u>Active Resident - Muscoy</u>	<u>Abram Gastelum</u>	

### CSC Meeting Schedule and Co-Hosts

Beginning with Meeting #2, the meetings were run by a co-host, who is a member of the CSC and lives in the community. Miguel Rivera served as a co-host from Muscoy and Angelica Balderas served as a co-host from San Bernardino. Additionally, Matt Abularach-Macias served as ~~as~~ the co-host for one meeting when the resident co-hosts were not available. The co-hosts worked closely with South Coast AQMD staff to provide input on the meeting agenda, and serve as the point of contact for community members who wished to provide testimonials during the meetings. In addition, the co-hosts conducted the meeting by setting the tone and calling on members to speak.

Figure 2-5: CSC members serving as meeting co-hosts



Table 2-2: Community Steering Committee Meetings for San Bernardino, Muscoy

Meeting #	Date and Location	Approximate # of Attendees
1	November 8, 2018 <b>Ruben Campos Community Center, San Bernardino</b>	60
2	January 17, 2019 <b>Muscoy PAL Center, San Bernardino</b>	50
3	February 21, 2019 <b>Muscoy PAL Center, San Bernardino</b>	50
4	March 21, 2019 <b>San Bernardino Valley College, San Bernardino</b>	80
5	April 18, 2019 <b>PAL Center, San Bernardino</b>	70
6	May 16, 2019 <b>San Bernardino Valley College, San Bernardino</b>	50
7	June 20, 2019 <b>San Bernardino Valley College, San Bernardino</b>	70
8	July 18, 2019 <b>San Bernardino Valley College, San Bernardino</b>	70
9	August 15, 2019 <b>San Bernardino Valley College, San Bernardino</b>	<u>75</u>
10	September 19, 2019 <b>San Bernardino Valley College, San Bernardino</b>	



### CSC Charter

A charter was developed for the CSC and a draft was presented to members at the first meeting. CSC members provided comments and the feedback received was included in the revised charter. The final charter is provided on the webpage here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-english.pdf?sfvrsn=8>

### Social Media Report

All CSC meetings were live-streamed using Facebook Live to further engage the community. The links to the live-stream recording were also posted on the South Coast AQMD community webpage. Each video received approximately 100 views.

### Community Webpage

A community webpage was created for the San Bernardino, Muscoy community. The webpage includes information about upcoming meetings, meeting materials (flyers, agendas, presentations, handouts, live stream links, meeting summaries), interactive maps, the CSC roster, charter, biographies, and membership process, and the CAMP and CERP documents. The community webpage is located here:

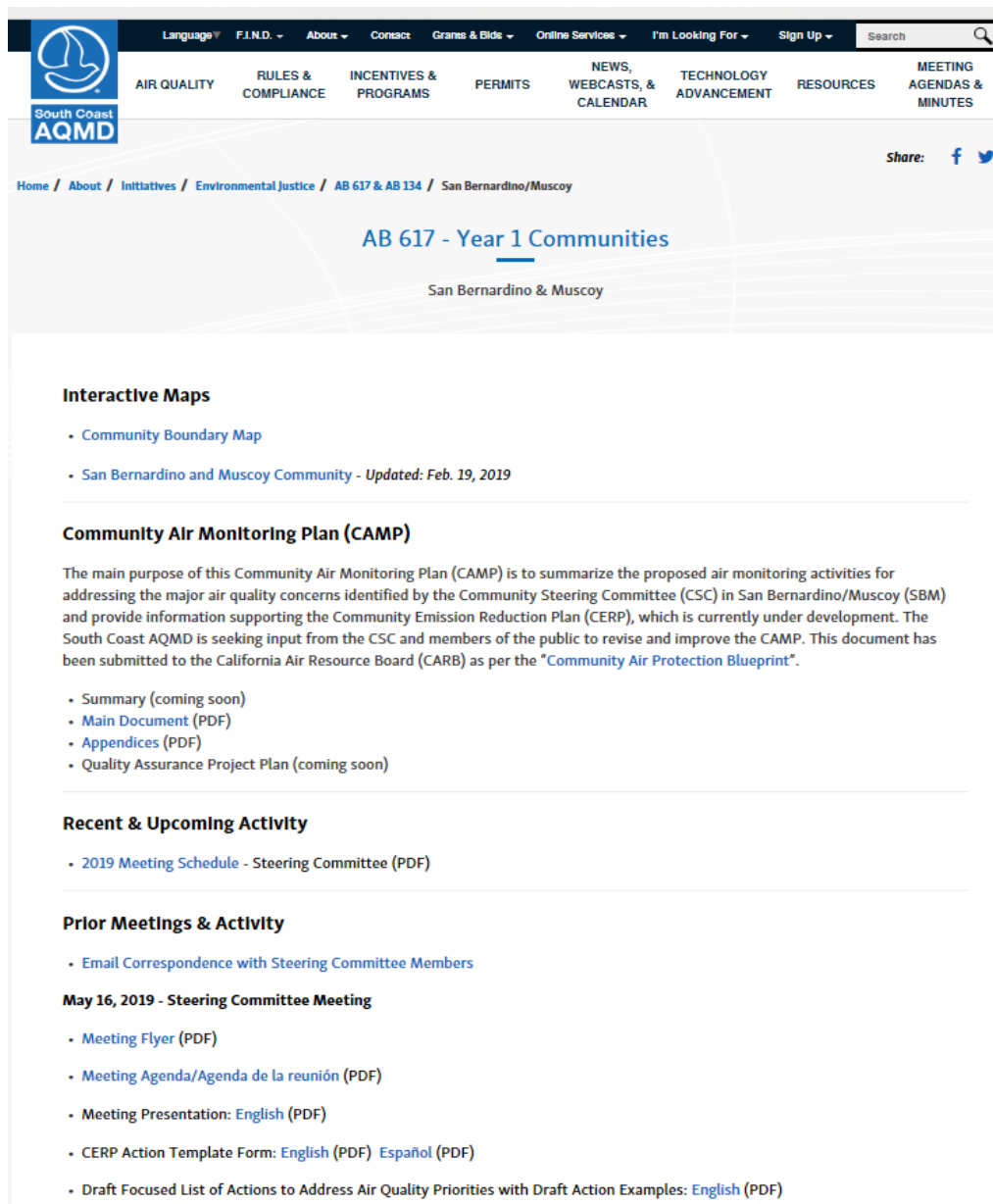
[http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/san-b.](http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/san-b)

For increased transparency, emails sent to the CSC were also posted on the webpage. All flyers, agendas, social media posts, presentations, handouts, and emails to the CSC were made available in English and Spanish. A screen shot of the community webpage is shown in Figure 2-7.

Figure 2-6: Screen shot of Facebook Live recording in San Bernardino



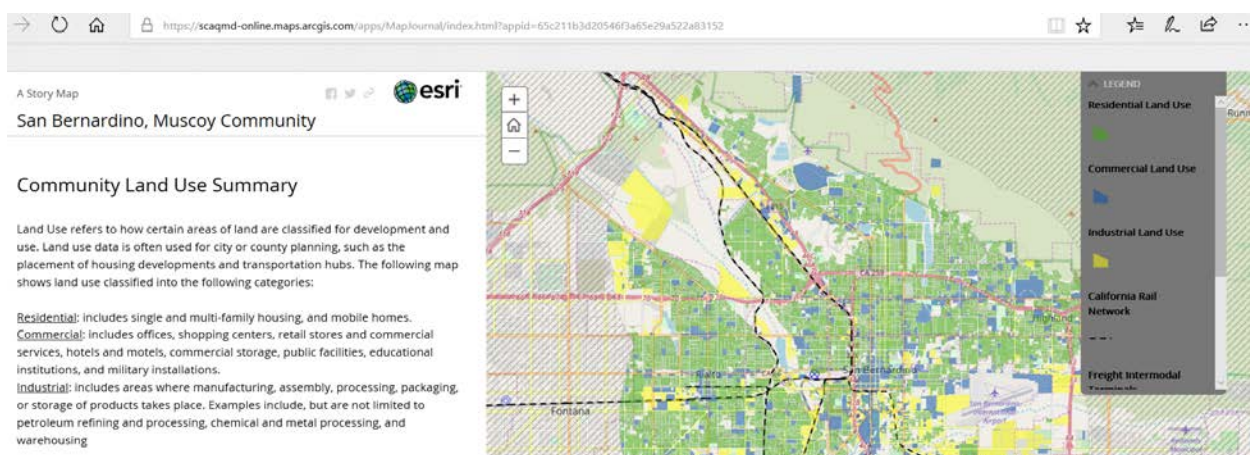
Figure 2-7: Community webpage for the San Bernardino, Muscoy community



In addition to being a portal for access to meeting materials and documents, the webpage also includes interactive maps that present data about the community.

Figure 2-8 is an example of an interactive map that was created for the San Bernardino, Muscoy community. These interactive maps provide data on land use, locations of facilities, schools, hospitals, and daycare centers, and the air quality concerns identified by the CSC and members of the public. This information was provided to help inform air quality priorities for the CERP.

Figure 2-8: Interactive map showing land use in the San Bernardino, Muscoy community



### Committee Presenters

A critical aspect of the CERP is development and implementation collaboration with CSC members and the agencies, organizations, businesses, or other entities that they represent. Committee members were invited to share their work that is complementary to the actions being developed in the CERP, such as programs carried out by their organization that help address air quality issues in the community.

At the April 2019 CSC meeting, Mary Valdemar (San Bernardino Valley College (SBVC)) discussed SBVC's Sustainability Plan, which focuses on embedding sustainability in the classroom and workplace. She expanded on the infrastructure required to achieve the adoption of zero-emission technologies.

Tammy Yamasaki (Southern CA Edison) discussed local efforts and their partnership with South Coast AQMD to share information with those who apply for electric vehicle (EV) charging stations. Their efforts focus on infrastructure development for electric charging, especially within environmental justice communities.

At the May 2019 CSC meeting, Bernadette Beltran and Mark Frees (San Bernardino County Department of Public Health) presented information on their agency's public health programs,

Figure 2-9: Bernadette Beltran and Mark Frees (San Bernardino County Department of Public Health) presented at the May 2019 CSC meeting





including the Healthy Communities program, an asthma program that is administered through the Arrowhead County Regional Center, and the Safe Routes to Schools Program.

During the May 2019 CSC meeting, Ericka Flores and Andrea Vidaurre with the Center for Community Action and Environmental Justice (CCA EJ) spoke about their organization and the importance of the AB 617 program in getting the community involved in addressing air quality and land use issues. Additionally, Anna Jaiswal (OmniTrans) provided an overview of the work that OmniTrans is doing to improve air quality, as the public transit provider for San Bernardino County. They provided information about their fleet, ~~which includes near-zero and zero-emission buses,~~ and their continued work toward adding more cleaner buses ~~zero-emission buses~~ to their fleet. Chantal Power (City of San Bernardino) discussed how the City is trying to address the concerns of the community and plans to increase outreach efforts.

In June 2019, LaDonna DiCamillo with BNSF Railway spoke about the company's efforts to reduce emissions from their locomotives and equipment used at their San Bernardino facility. She also highlighted some technology demonstration projects they are pursuing to help develop zero-emission or hybrid technologies. Suzanne Peterson from San Bernardino County Land Use Planning Department presented information about the County's code on truck parking in residential neighborhoods, and their draft policy plan on truck routes, including the Muscoy Community Action Guide. Ryan Sinclair from Loma Linda University presented information from past health research studies they have conducted in the community and some more recent work they are doing using low-cost air pollution sensors.

### Community Testimonials

Beginning in March 2019, residents from the community have been invited by the CSC to share personal stories, outlining their concerns with air pollution and how it has negatively impacted their lives and community. These community testimonials have helped provide perspective and context to frame the discussions during the CSC meetings (Figure 2-10). Community testimonials were provided by CSC members as well as other members of the community.

Figure 2-10: Community members are invited to share their personal air pollution concerns



### Technical Advisory Group

In February 2019, the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution (i.e., sources of monitored emissions), air monitoring and other technical analysis needed to develop the CAMPs and CERPs for AB 617 implementation. The TAG has met on an approximately quarterly basis during the CERP and CAMP development process. Topics discussed included monitoring equipment and laboratory capabilities, methodology and data sources for developing an air toxics emissions inventory at a community scale, methodology for forecasting emissions in future years, and methodology for modeling air toxics levels across geographical areas. Table 2-3 shows the 2019 TAG meeting schedule. All meetings were held at the South Coast AQMD headquarters building, which is a location approximately in the middle of the three Year 1 communities. All meetings were webcast on the South Coast AQMD's webpage ([www.aqmd.gov](http://www.aqmd.gov)), and webcast attendees could email questions to be answered during the meeting.

The majority of these technical considerations apply to all three AB 617 communities designated in Year 1 and consequently the TAG includes up to three primary and three alternate members from each CSC, and additional technical experts from academia, research institutes, and governmental agencies (the current roster is provided in Table 2-4). When additional communities are designated for the AB 617 program, representatives from those CSCs will also

be added to the TAG. The webpage for the TAG is available at this link: <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/technical-advisory-group>.

Table 2-3: Technical Advisory Group meetings in 2019

Meeting #	Date	Approximate Attendees
1	February 27, 2019	45
2	May 29, 2019	45
3	July 18, 2019	40

Table 2-4: Roster for the AB 617 Technical Advisory Group

Participant	Affiliation	Community
Jesse Marquez	Coalition for a Safe Environment	Wilmington, Carson, West Long Beach
Flavio Mercado (Alternate for Jesse Marquez)	Active Resident from Wilmington	Wilmington, Carson, West Long Beach
Jill Johnston	University of Southern California	Wilmington, Carson, West Long Beach
Uduak-Joe Ntuk	City of Los Angeles	Wilmington, Carson, West Long Beach
Tim DeMoss (Alternate for Uduak-Joe Ntuk)	Port of Los Angeles	Wilmington, Carson, West Long Beach
Ryan Sinclair	Loma Linda University	San Bernardino, Muscoy
Andreas Beyersdorf	California State University, San Bernardino	San Bernardino, Muscoy
Tammy Yamasaki	Southern California Edison	San Bernardino, Muscoy
Hector Garcia	Our Lady of Victory	East LA, Boyle Heights, West Commerce
Marisa Blackshire	BNSF	East LA, Boyle Heights, West Commerce
Rafael Yanez	Active Resident	East LA, Boyle Heights, West Commerce
Manuel Pastor	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Madeline Wander (Alternate for Manuel Pastor)	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert

Participant	Affiliation	Community
Scott Fruin	Univ. Southern California, Preventive Medicine	Technical Expert
Cesunica (Sunny) Ivey	UC Riverside	Technical Expert
Luis Portillo	Inland Empire Partnership	Technical Expert
Ken Davidson	US EPA Region 9 Air Division, Air Toxics, Radiation, and Indoor Air Office	Technical Expert
Janet Whittick	California Council for Environmental and Economic Balance (CCEEB)	Technical Expert
Melissa Lunden	Aclima	Technical Expert

### Additional Community Engagement

In addition to establishing the CSC and convening monthly meetings, South Coast AQMD staff participated in one-on-one or small group meetings with members, and attended meetings led by various community organizations. These meetings gave CSC members an opportunity to communicate directly with staff. Additionally, these meetings give staff an opportunity to answer questions and clarify information requested from CSC members. Staff was able to gain a better understanding of the unique issues faced by each community by attending and participating in meetings led by community organizations.

Broader public engagement is also important to the AB 617 program. Suggestion boxes provided at the CSC meetings allow CSC members, as well as the general public, to provide input and suggestions on the AB 617 process. Staff reviews the comments after each CSC meeting, and responds as needed. Anonymous submissions are accepted. In addition, a Community Affairs Table at the CSC meetings provides a space for community members to share flyers and handouts about events and programs happening in the community (Figure 2-11).

Figure 2-11: Community table and community member handouts for CSC meeting in San Bernardino



Throughout the development of the CERP, community liaisons and other staff met with community members, environmental justice organizations, industry and other stakeholders to provide assistance and/or prompt response to concerns raised about the CSC process. Community liaisons also attended meetings from local organizations, environmental justice groups, city and county government to promote participation in the development and implementation of the CERP. Staff attended meetings hosted by other entities in this community to give presentations on AB 617 CERP development, and had more than 25 in-person or phone meetings with CSC members to discuss the CSC process and seek input on the CERP actions. South Coast AQMD staff will continue to work with the CSC to implement the CERP actions and provide periodic community updates on the progress of implementing the plan. Community engagement is essential to the success of the CERP as well as the AB 617 program as a whole, and all parties are committed to build and improve upon existing outreach efforts.



Figure 2-12: Small group meeting in San Bernardino with some CSC members and South Coast AQMD staff



---

# CHAPTER 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK



# Chapter 3a: Community Profile

## Introduction

It is essential to understand the characteristics of a community and the profile of air pollution sources in order to address community air quality priorities. The following community profile provides a general overview of the San Bernardino, Muscoy community, including the types of air pollution impacting the community, and a characterization of public health and socioeconomic factors. In addition, this section includes information about the community boundary that reflects input from the Community Steering Committee (CSC), a summary of the air pollution concerns identified by the community, and the air quality priorities based on CSC and public input. These air quality priorities are addressed in the Community Emission Reduction Plan (CERP) actions, described in Chapter 5.

### Chapter 3a Highlights

- The community profile is based upon input from the Community Steering Committee throughout the CERP development process
- The Community Steering Committee identified the top air quality priorities to be addressed in the CERP
- Data on land use, toxic air pollution impacts, public health factors, and both social and economic factors in the community provides useful background information

## Community Boundary, Air Quality Concerns and Air Quality Priorities

During the monthly CSC meetings, committee members, members of the public, and South Coast AQMD staff worked together to shape the elements and actions described in this Plan. Topics discussed with the CSC include:

- What should be the community **boundaries** for the AB 617 community plans?
- What **air quality concerns** does the community have?
- What are the top **air quality priorities** that the community would like to address through the AB 617 CERP?
- What **priority actions** should be included in the CERP?
- What should the **goals** for the priority actions include?
- ~~Any additional~~ Additional **feedback on the Draft CERP**

The process is summarized in Table 3a-1. CSC members discussed which geographic areas should be included within the community boundary, ~~shown in~~ (Figure 3a-1). The San Bernardino, Muscoy CSC established two distinct community boundaries to represent this community for the purpose of AB 617 community plan implementation. The “Impacted Community” boundary focuses on the places in the community where people community members spend time (e.g., schools, residential areas, community centers, hospitals, etc.) live, work, go to school, and spend the majority of their time. The “Emissions Study Area” boundary includes both the Impacted

Community and additional air pollution sources (e.g., facilities and major truck routes) that may affect the Impacted Community. Regions within and near either community boundary will benefit from the emissions reductions within the boundary.

The CSC and members of the public participated in an interactive mapping activity to identify community air quality concerns, which were posted on the webpage<sup>i</sup>. ~~These community air quality concerns are shown in (Figure 3a-1 and listed in Figure 3a-2).~~ Most of the concerns identified were within the Emissions Study Area. However, there were several warehouses along the Interstate 10 freeway that were also identified as concerns. While these warehouses are outside the community boundaries, the CSC stated that the trucks going to and from these warehouses drive through the community. Therefore, these trucks are within the Emissions Study Area and can be addressed through the CERP.

~~Next, the air~~ Air quality concerns were grouped into categories (e.g., truck traffic, railyards, etc.), and ~~the CSC and members, as well as~~ of the public prioritized the top air quality concerns. CSC members were invited to provide ideas and input on CERP actions and also meet with South Coast AQMD staff to draft CERP actions together. The highest priority actions were included in the ~~draft~~ CERP based on input from the CSC members.

The San Bernardino, Muscoy community also has a facility in the REgional Clean Air Incentives Market (RECLAIM) program and that facility will be evaluated for compliance with to meet Best Available Retrofit Control Technology (BARCT) requirements. Equipment at non-RECLAIM facilities within the community may also be affected by the BARCT assessment being conducted for RECLAIM facilities and; thus, subject to additional requirements. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities is being developed. The facility that is subject to BARCT (specifically the RECLAIM facility) and additional facilities in the AB 2588 program are provided in Appendix 3a.

~~Because~~ The work to implement the CERP and the Community Air Monitoring Plan (CAMP)<sup>1</sup> is dynamic, thus certain action items have been written with built-in flexibility to permit necessary adjustments as new information becomes available. South Coast AQMD staff is committed to working with CSC members to evaluate ongoing actions and progress.

<sup>i</sup> Interactive map of air quality concerns in the San Bernardino, Muscoy community: <https://scaqmd.online.maps.arcgis.com/apps/View/index.html?appid=c1c170ab526d462199b86c1cbe5a9ac5&extent=117.4450,34.0601,-117.1155,34.1933>

Table 3a-1. Process of CSC Input on CERP elements

CSC Meeting #	Discussion Topic(s)	What type of input did the CSC Input give?	How this CSC input was used in the CERP development process?
#1 November 2018	Community Air Quality Concerns and Community Boundary	Refined community <b>boundaries</b> . Identified community air quality <b>concerns</b> . <u>Outcome</u> : List of air quality concerns	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5). <b>Concerns</b> were prioritized for inclusion in Plans (see Meeting #3).
#2 January 2019	Community Boundary	Refined <b>community boundaries</b> . <u>Outcome</u> : Community boundary	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5).
#3 February 2019	Air Quality Concern Prioritization	Prioritized which concerns would be addressed in Plans. <u>Outcome</u> : Air quality priorities	Actions were developed for <b>air quality priorities</b> (Meetings #4 and #5)
#4 March 2019	Strategies & Proposed Actions (Part 1)	Ideas for <u>possible CERP actions</u> discussed. <del>can be written into the Plans.</del> Staff <u>will</u> worked with CSC members to write CERP actions. <u>Outcome</u> : Draft focused list of actions for CERP	Feedback on actions were used to develop the list of <b>priority actions</b> (Meeting #6).
#5 April 2019	Strategies & Proposed Actions (Part 2), Draft CAMP, and Draft CERP Table of Contents & Action Template		
#6 May 2019	Focused list of CERP Actions ("priority actions")	Provided feedback on which <b>priority actions</b> should be included in CERP. <u>Outcome</u> : List of priority actions for CERP	Feedback on actions were used to finalize the list of <b>priority actions</b> to be included in the <b>Draft CERP</b> .
#7 June 2019	Draft CERP, Goals for each CERP Action (Part 1)	Feedback on <b>Draft CERP</b> . Ideas for specific goals for each CERP action. <u>Outcome</u> : Revised Draft CERP	Feedback on <b>Draft CERP</b> and ideas for specific goals will be used to inform the <b>Draft Final CERP</b> in the Board package.
#8 July 2019	Goals for each CERP Action (Part 2)		
#9 August 2019	Final Discussion of Draft CERP	<b>Final revisions</b> for Draft CERP before it is submitted to South Coast AQMD Board for consideration. <u>Outcome</u> : Draft Final CERP and Appendices	Final comments to be addressed in <b>Draft Final CERP</b> that is part of the Board package.





Figure 3a-2. List of air quality concerns identified by the San Bernardino, ~~Muscoy~~<sup>Muscoy</sup> CSC and members of the public

Label	Concern Name	Category	Label	Concern Name	Category
1	10/215 Fwy Interchange, Along 10 fwy	Mobile Source	36	School – Richardson Pre HI Middle School	Where People Spend Time
2	Airport	Mobile Source	37	Sierra High School, Roberts Elementary School	Where People Spend Time
3	BNSF railyard, JB hunt trucking company	Mobile Source	38	Auto Parts Scrap Yard	Need More Info
4	Construction and Demolition at Loma Linda Campus	Need More Info	39	Cement factory , Cal Portland	Stationary Source
5	Freeway and railway interchange	Mobile Source	40	Cement batch	Stationary Source
6	Metrolink	Mobile Source	41	Cement Facility (CEMEX)	Stationary Source
7	Omnitrans bus yard	Mobile Source	42	Cement manufacturer	Stationary Source
8	Park by BNSF railyard, JB hunt trucking company – Nunez Park	Where People Spend Time	43	Dairy Facility	Need More Info
9	Power Plant – SCE Mountain View	Stationary Source	44	Dust	Need More Info
10	Road Congestion	Mobile Source	45	Ecology Recycling	Stationary Source
11	San Manuel Amphitheater Traffic	Mobile Source	46	Mid-Valley Landfill	Stationary Source
12	The Washland- recreational off roading	Need More Info	47	Meat processing near valley view	Need More Info
13	Traffic at CSUSB	Mobile Source	48	Kinder Morgan Colton Terminal – Phillips 66	Stationary Source
14	Traffic near Hospitality Lane and 10 Fwy	Mobile Source	49	Paint/Auto body shops	Stationary Source
15	Traffic on H Street Exit	Mobile Source	50	Pet Food Facility – Mars Petcare	Stationary Source
16	Traffic	Mobile Source	51	Refinery	Need More Info
17	Mt Vernon Corridor	Mobile Source	52	Surface quarry	Stationary Source
18	Traffic On Waterman	Mobile Source	53	Surface quarry	Stationary Source
19	Train Station	Mobile Source	54	Surface quarry	Stationary Source
20	Trains	Mobile Source	55	East Valley Recycling and Transport	Stationary Source
21	Truck parking in neighborhoods	Mobile Source	56	Water Treatment Plant	Stationary Source
22	Truck parking in neighborhoods	Mobile Source	W1	Medline Warehouse	Mobile Source
23	Truck route	Mobile Source	W2	Fontana warehousing	Mobile Source
24	Truck stop, trucks idling	Mobile Source	W3	New development, warehousing	Need More Info
25	Truck stops	Mobile Source	W4	DCS Logistics	Mobile Source
26	Truck traffic	Mobile Source	W5	Warehouses	Mobile Source
27	Truck traffic Route 66	Mobile Source	W6	Warehouses	Mobile Source
28	Truck idling	Mobile Source	W7	Warehouses	Mobile Source
29	Truck idling near school	Mobile Source	W8	Warehouses	Need More Info

30	Arroyo Valley High School	Where People Spend Time	W9	Warehouses	Mobile Source
31	Lincoln Elementary	Where People Spend Time	W10	Warehouses	Need More Info
32	Neighborhood surrounded by freeways	Where People Spend Time	W11	Warehouses - ICEMA	Mobile Source
33	Neighborhood surrounded by freeways	Where People Spend Time	W12	Railyard Near Warehousing	Need More Info
34	Park - Maple Leaf Park	Where People Spend Time	W13	Warehousing	Mobile Source
35	Ramona Alessandro Elementary	Where People Spend Time			

The following air quality priorities for the CERP were identified by the CSC and members of the public for the San Bernardino, Muscoy community:

- Neighborhood truck traffic
- Warehouse on-site emissions
- Omnitrans bus yard
- Railyards
- Concrete batch plants, asphalt batch, and aggregate plants
- Exposure reduction for sensitive populations in schools, childcare centers, community centers, and homes

Actions to address each of these air quality priorities are described in Chapter 5.

The South Coast AQMD and the California Air Resources Board (CARB) both develop and enforces air pollution regulations to reduce emissions, improve air quality, and protect public health. While CARB has primary authority over mobile sources, the South Coast AQMD has authority over stationary sources and “indirect sources”, which are facilities that attract mobile sources. Examples of indirect sources include warehouses and rail yards. Specific information about ongoing rule development that is relevant to these air quality priorities is provided in Chapter 5.

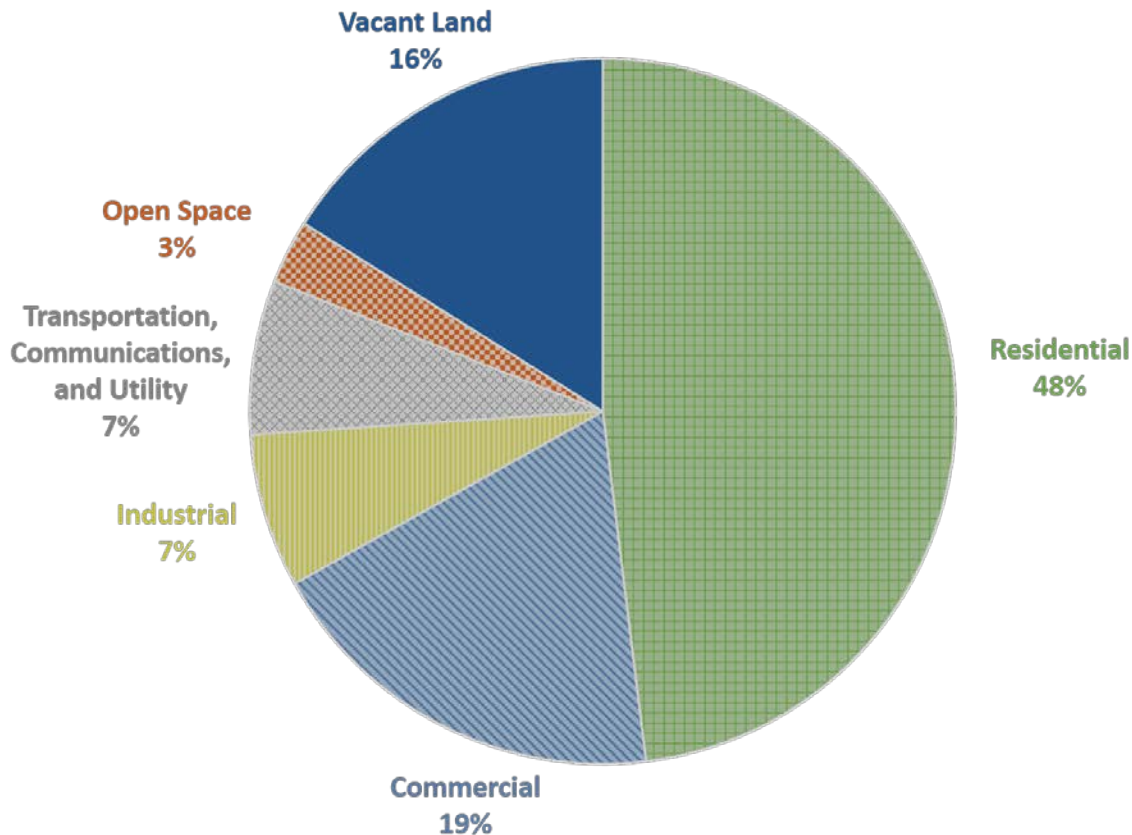
### Community Air Pollution Profile and Related Data

Understanding what air pollution sources exist in the community and what air pollutants come from these sources helps identify key sources that can be addressed through CERP actions. This section presents data based on previous cumulative impact studies<sup>ii</sup> to describe the impacts of toxic air pollutants in this community, as well as other environmental pollution, public health factors, and social and economic factors that make people more sensitive or vulnerable to the health effects of pollution.<sup>2</sup>

<sup>ii</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD’s website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

The San Bernardino, Muscoy community is shown in Figure 3a-1. The Impacted Community includes a land area of 17.30 square miles, and the Emission Study Area includes an area of 28.58 square miles. About 48% of this land area is used for residential living, 19% is zoned for commercial uses, 7% is zoned for industrial uses, and 7% is used for freeways, roadways, and land used for utilities and communications services (Figure 3a-3).<sup>iii</sup>

Figure 3a-3: Land use profile in San Bernardino, Muscoy

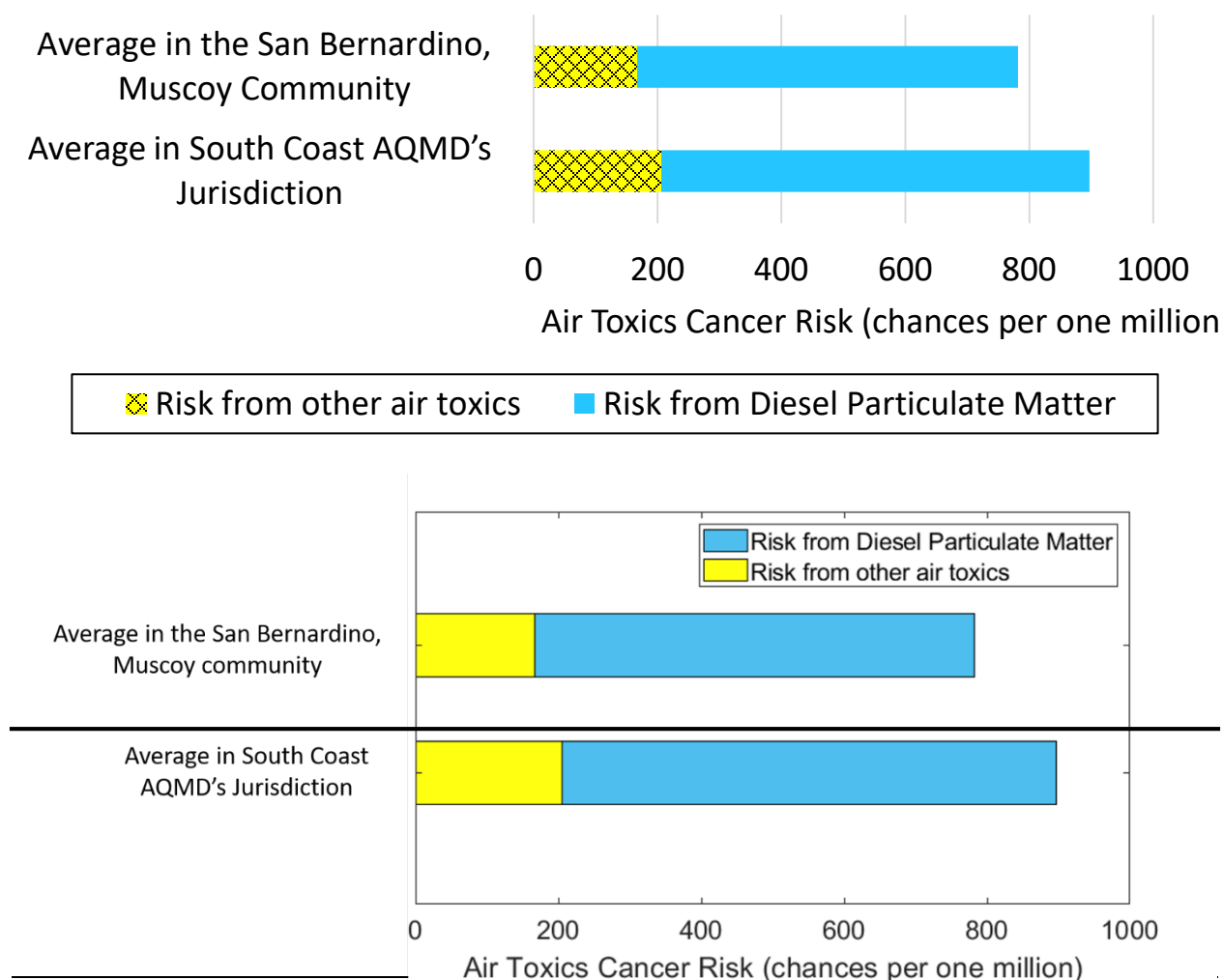


Air toxics are one group of air pollutants that can affect public health on a local community scale. These pollutants include, but are not limited to pollutants from diesel exhaust, and metal particulate air pollutants (e.g., hexavalent chromium, lead, arsenic, nickel, etc.), and gases (e.g., benzene, formaldehyde, etc.). The South Coast AQMD conducts the Multiple Air Toxics Exposure Study (MATES) every few years to understand the cumulative health impacts of air toxics in communities across the region. The most recently completed study was MATES IV, which was

<sup>iii</sup> Land use refers to how certain areas of land are classified for development and use. Land use data is often used for city or county planning, such as the placement of housing developments and transportation hubs. Land use data is derived from the 2016 Southern California Association of Governments (SCAG) Regional Transportation Plan/ Sustainable Communities Strategy, which is based on 2012 data.

conducted in 2012-2013, and used air toxics monitoring, emissions inventories, modeling, and health risk assessment techniques to calculate the cancer risk due to toxic air pollutants (“air toxics cancer risk”).<sup>iv</sup> MATES V is currently in progress. Based on MATES IV modeled data, approximately three-quarters of the air toxics cancer risk in the Basin is due to diesel particulate matter (Figure 3a-4). The average air toxics cancer risk in the San Bernardino, Muscoy community is also shown in the figure, and this risk is also dominated by diesel particulate matter.

Figure 3a-4: Air toxics cancer risk, based on MATES IV modeled data



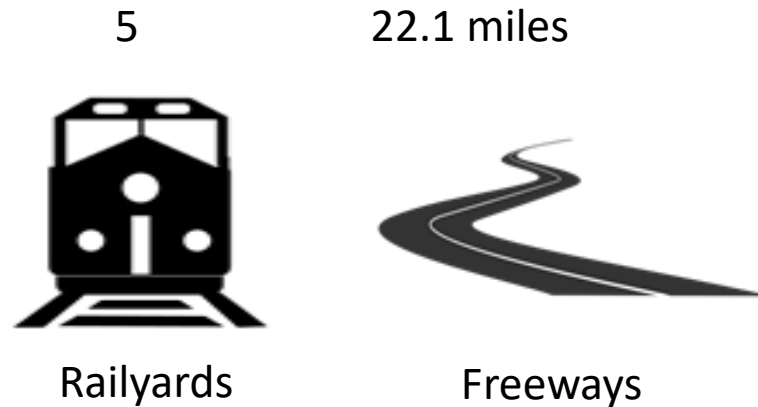
Mobile sources include trucks, ships, trains, cars, buses, and other mobile equipment. Much of this equipment is powered by diesel, which is the air toxic pollutant with the highest impact in

<sup>iv</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD's website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.



this community. The community includes more than 22 miles of freeways and 5 railyards<sup>v</sup>, including a railyard that is located near residential areas (Figure 3a-5)

Figure 3a-5: Diesel mobile sources in San Bernardino, Muscoy



Understanding the community's public health and socioeconomic profile helps to provide context for the work being done through this CERP. CalEnviroScreen 3.0 is a screening tool developed by the California Office of Environmental Health Hazard Assessment (OEHHA) that is used to identify communities that are most affected by various sources of pollution, and where people are especially vulnerable ~~to the effects of pollution~~ ~~to pollution's effects~~. The CalEnviroScreen 3.0 data show that this community has public health factors, as well as social and economic factors, that make the community more sensitive and vulnerable to the harmful effects of air pollution compared to statewide averages (Figure 3a-5 and Figure 3a-6). These data show that, on average, the San Bernardino, Muscoy community has generally worse public health factors and more social and economic disadvantages compared to California as a whole. The public health factors specifically show that this community has higher rates of emergency department visits for asthma and heart disease, and more babies born with a low weight in comparison to, ~~compared to~~ statewide averages.

<sup>v</sup> Includes one intermodal railyard, and four maintenance yards. All five facilities are located west of the Interstate 215 freeway, south of W. 5th Street, and north of Rialto Avenue.

Figure 3a-5. CalEnviroScreen 3.0 scores for public health factors in San Bernardino, Muscoy compared to statewide averages

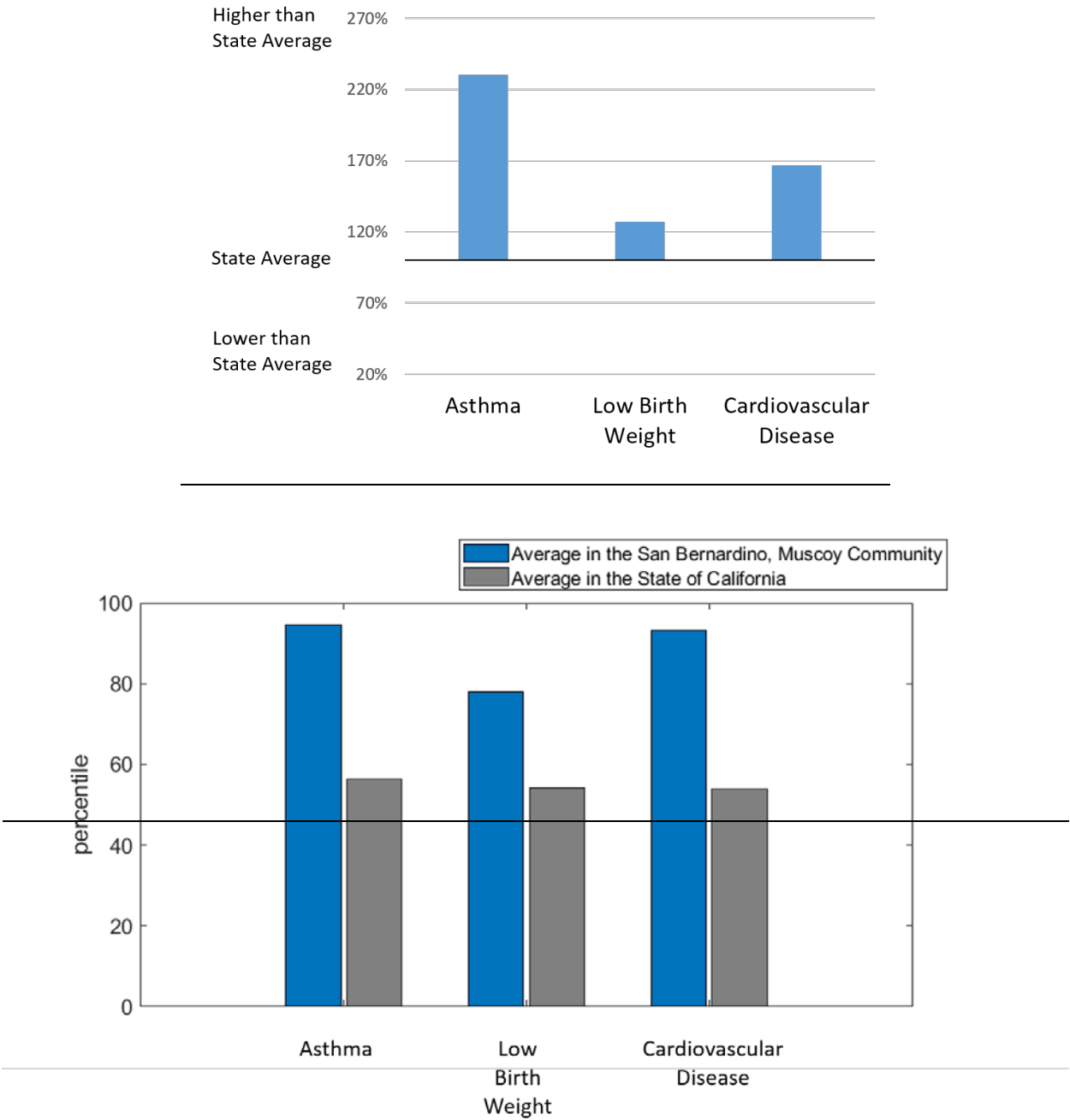
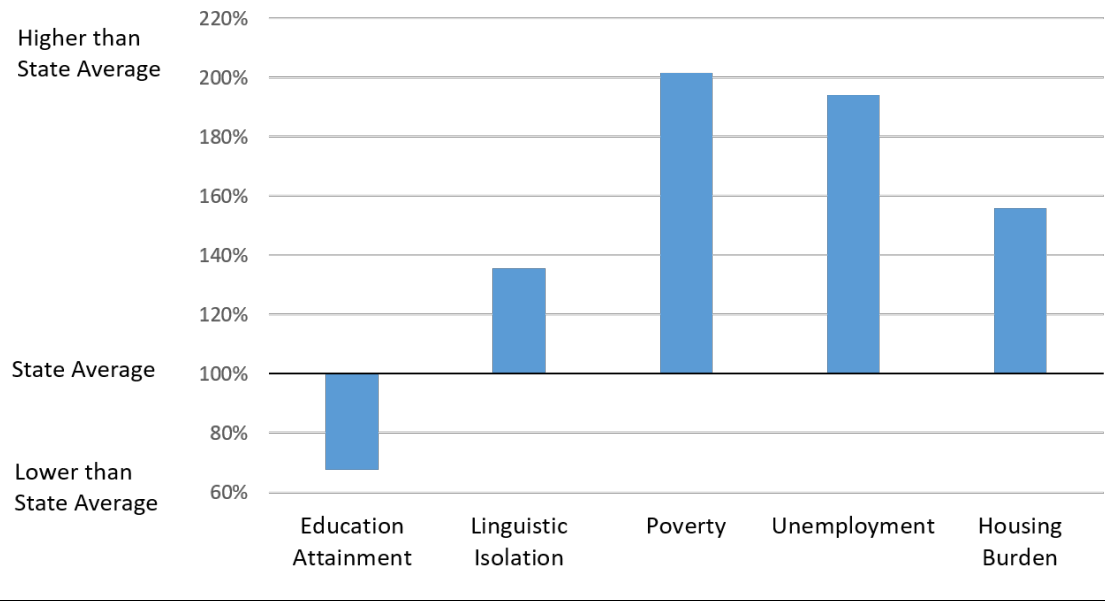
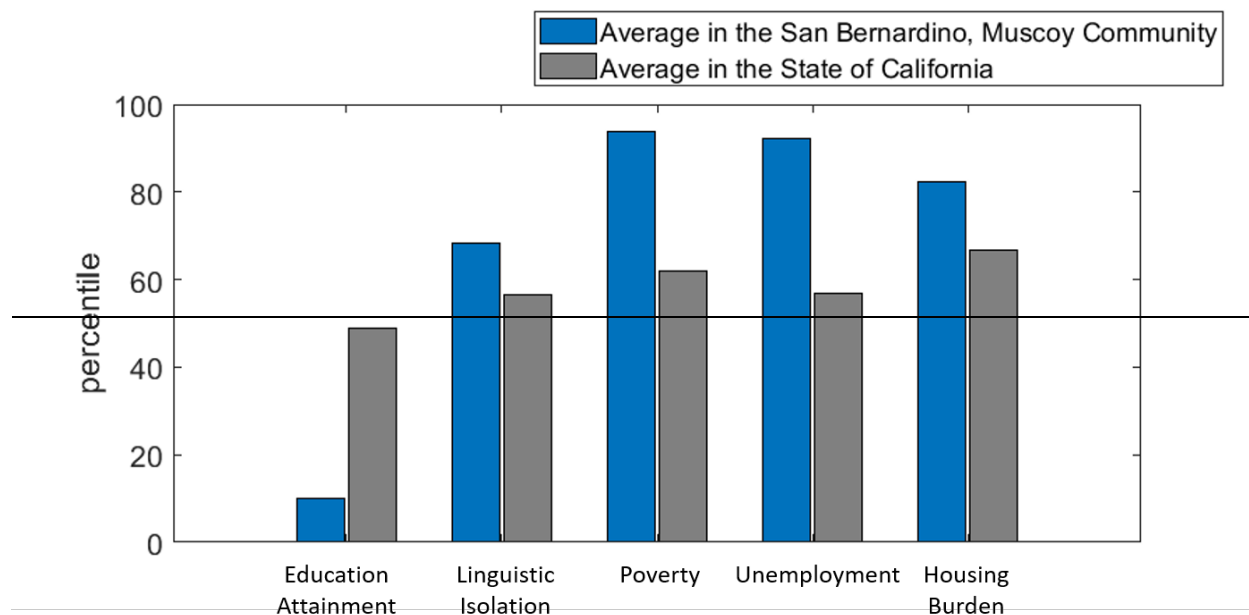


Figure 3a-6. CalEnviroScreen 3.0 scores for social and economic factors in San Bernardino, Muscoy compared to statewide averages<sup>vi</sup>



<sup>vi</sup> The statewide average may not be at the 50<sup>th</sup> percentile because it is a population-weighted average. The average depends on both the distribution of population and the distribution of the number of each factor, and both these factors are not symmetrical.



## References

1. South Coast AQMD, Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy community, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6).
2. Office of Environmental Health Hazard Assessment, CalEnviroScreen 3.0, <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>, Accessed June 2019.

---

# CHAPTER 3B:

## COMMUNITY PROFILE

## SOURCE ATTRIBUTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 3b: Emissions and Source Attribution

### Introduction

In order for the Community Emission Reduction Plan (CERP) to be effective, it needs to be built on information about the type and sources of emissions. This knowledge is then used to better define CERP actions and strategies, with the ultimate goal being a reduction in harmful emissions and the associated burdens on individuals and communities. The Community Emissions Reduction Plan (CERP) needs to identify air pollution challenges that each community faces, and define strategies to reduce the exposure burden from sources of criteria air pollutants (CAPs) and toxic air contaminants (TACs).

Identifying air quality priorities for the CERP is accomplished through listening to the community's input and expertise, along with evaluating technical data on emission sources in the community.

The process for evaluating the type and sources of emissions is known as a "source attribution" analysis. CARB has created guidelines for districts to perform this necessarily technical analysis. The information below summarizes both the requirements for the analysis and the analysis itself. The analysis looked at both criteria air pollutants (CAPs) and toxic air contaminants (TACs). As discussed further below, diesel particulate matter is currently the main air toxic pollutant burdening this community. While other pollutants are present, diesel particulate is the main driver of air toxics cancer risk.

### CARB Requirements for Source Attribution Analysis

The California Health and Safety Code § 44391.1(b)(2) directed CARB to provide: "[a] methodology for assessing and identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities..."

### Chapter 3b Highlights

- Information about the sources of air pollution in this community is presented in a "source attribution" analysis
- Diesel particulate matter is currently the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources
- Other key air toxic pollutants in this community are 1,3-butadiene (mostly from the chemical industry) and hexavalent chromium (mostly from brake wear)
- Volatile organic compounds (VOCs) come primarily from consumer products (e.g., paints, cleaners, etc.)
- In future years, diesel emissions decrease substantially due to CARB regulations, but continues to be the main driver of air toxics cancer risk in this community
- Other key air toxic pollutants in this community are 1,3-butadiene (mostly from the chemical industry) and hexavalent chromium (mostly from brake wear)

The CARB guidelines recommended five potential technical approaches for the source attribution analysis. The options presented are: developing an emissions inventory, air quality modeling, targeted air monitoring/back trajectory/pollution roses/inverse modeling, chemical mass balance and positive matrix factorization. Among these options, based on the availability of data and resources, this source attribution analysis employs the emissions inventory and air quality modeling analysis approaches to identify sources contributing to air pollution levels in the community, with an emphasis on identifying sources within the community (emissions inventory). More information on source attribution methods is included in the Source Attribution Methodology report<sup>1</sup>. The most recent air quality modeling analysis was conducted as part of the Multiple Air Toxics Exposure Study (MATES IV) in 2015, which showed that Diesel Particulate Matter (DPM) was the air pollutant that contributed most to the air toxics cancer risk in the South Coast Air Basin. While the San Bernardino, Muscoy (SBM) community had slightly lower cancer risk compared to the overall average (Figure 3b-5), the SBM has some of the highest ozone levels in the Basin. A community-specific emissions inventory was developed for ~~criteria air pollutants~~ (CAPs) and TACs based on the most recent available datasets.

The SBM community contains some obvious sources of air pollution, including major freeways and major rail yards within the community that support the goods movement industry. The community also includes a wide range of industrial facilities, including asphalt, concrete and other mineral production processes, and 43 warehouses larger than 100,000 square feet, which attract heavy-duty truck traffic. The source attribution analysis highlights that in the year 2017, on-road and off-road mobile sources were the predominant sources of DPM, with the major contributors being heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. In this community, stationary and area sources contribute to the emissions of 1,3-butadiene, benzene and formaldehyde, with the chemical industry as the major source for 1,3-butadiene emissions, and fuel combustion in residential and commercial sectors as the major source of benzene and formaldehyde. The analysis presented in this chapter provides further details on the sources of NO<sub>x</sub>, VOCs and PM<sub>2.5</sub>. Projected emissions in future years show decreases in DPM emissions, although DPM continues to be the main contributor to cancer risk.

The community-level emissions and their sources are discussed in this ~~report~~ chapter. The detailed methodology to develop these emissions is provided in the Source Attribution Methodology report<sup>1</sup>. ~~The following sections contain discussions about b~~Base year emissions of CAPs and TACs ~~and are provided in section 2. Future year emissions of CAPs and TACs. A summary of the information is provided at the end of the chapter are discussed in section 3, and a summary is provided in section 4.~~

<sup>1</sup> The Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report) can be found here: <https://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf?sfvrsn=8>



## Base year emissions inventory and source attribution

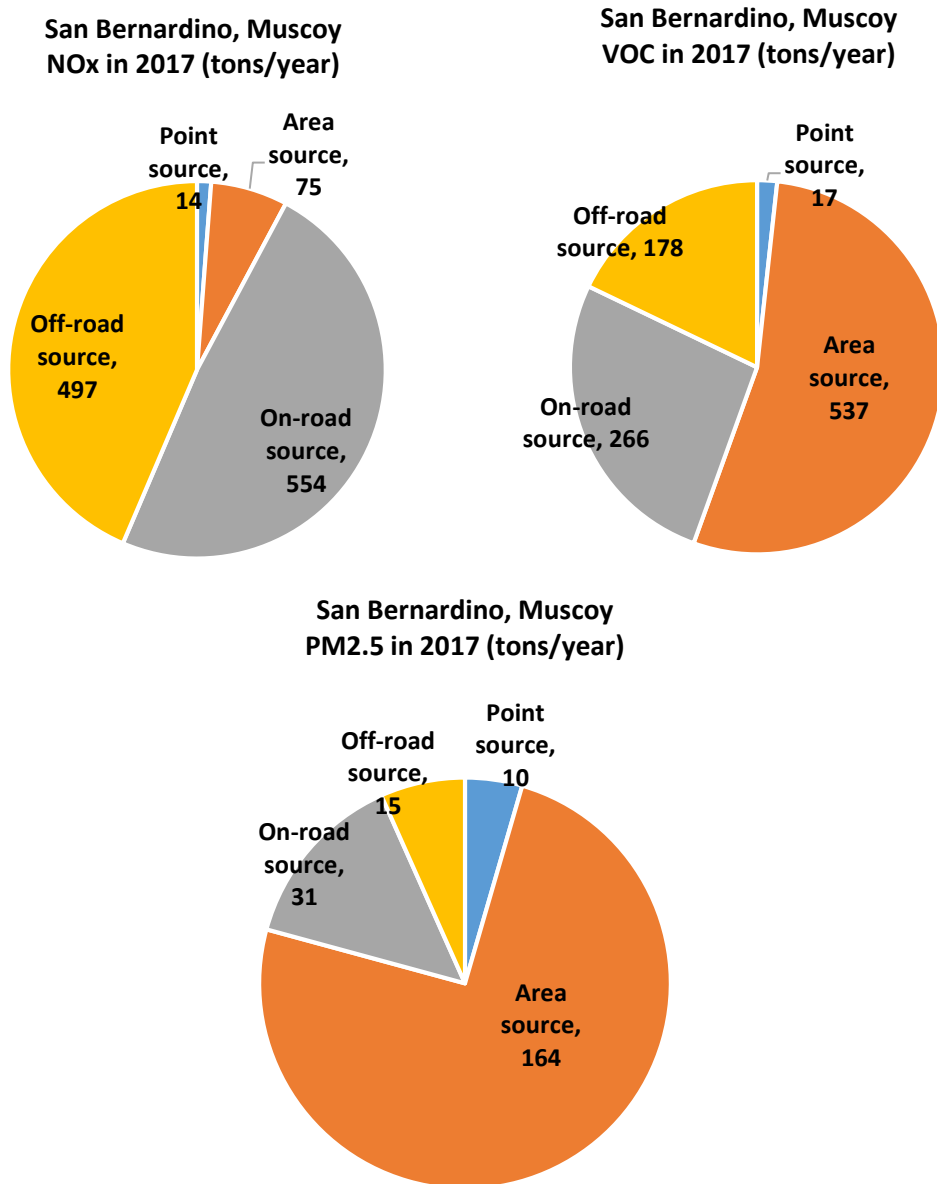
### *Overall profiles of CAPs and TACs*

A variety of sources contribute to the emissions of criteria pollutants in the San Bernardino and Muscoy community, with different sources emitting different ~~types of air pollutants, air pollutant species~~ (Figure 3b-1). NO<sub>x</sub> emissions are primarily from combustion sources. On-road mobile sources are the largest emitters of NO<sub>x</sub>, with heavy-duty trucks being the largest contributor in this community. Off-road mobile sources, including trains and off-road equipment, are the second largest contributor to NO<sub>x</sub> emissions. Area sources of NO<sub>x</sub> are mainly from fuel combustion for space and water heating at commercial businesses and homes, whereas point sources of NO<sub>x</sub> include fuel combustion at industrial facilities.

VOC emissions mostly come from area sources, specifically from consumer products and outdoor paints (architectural coatings), as well as vehicle exhaust. The largest contributors to PM<sub>2.5</sub> emissions are area sources, such as commercial cooking, residential wood burning (residential fuel combustion), and paved road dust. PM is also emitted from mobile sources via vehicle exhaust and tire and brake wear. While paved road dust is also related to vehicles traveling on roads, it is considered as an area source rather than a mobile source. It is important to note that ambient PM<sub>2.5</sub> concentrations in the community have decreased steadily in the past decades due to the reductions of PM<sub>2.5</sub> precursor emissions such as NO<sub>x</sub>, SO<sub>x</sub>, and VOC. Ambient PM<sub>2.5</sub> can be either formed through chemical reactions of its precursor pollutants or be emitted directly from sources. In the South Coast Air Basin including in this community, the majority of ambient PM<sub>2.5</sub> is from secondary chemical reactions in the atmosphere rather than directly emitted from local sources. Accordingly, although local PM<sub>2.5</sub> emissions have decreased marginally over the past decade, the ambient PM<sub>2.5</sub> concentrations have been improved substantially, and the South Coast Air Basin is close to attainment of the U.S. EPA's ambient air quality standards for PM<sub>2.5</sub>.

TAC emissions from point sources were compiled from the emissions reported by facilities. TAC emissions from area, on-road, and off-road sources were calculated using chemical speciation profiles applied to PM or TOG emissions. Details on the chemical speciation profiles are provided in a separate Source Attribution Methodology report<sup>1</sup>. In total, 22 air toxic pollutants were analyzed and included in this report. This list of air toxic pollutants is consistent with the list of TACs that facilities are required to report under the South Coast AQMD Annual Emissions Reporting (AER) program, except chlorofluorocarbons (CFCs) and ammonia were not included. CFCs do not have an associated cancer risk, whereas ammonia is included in the CAPs inventory because it is a PM precursor.

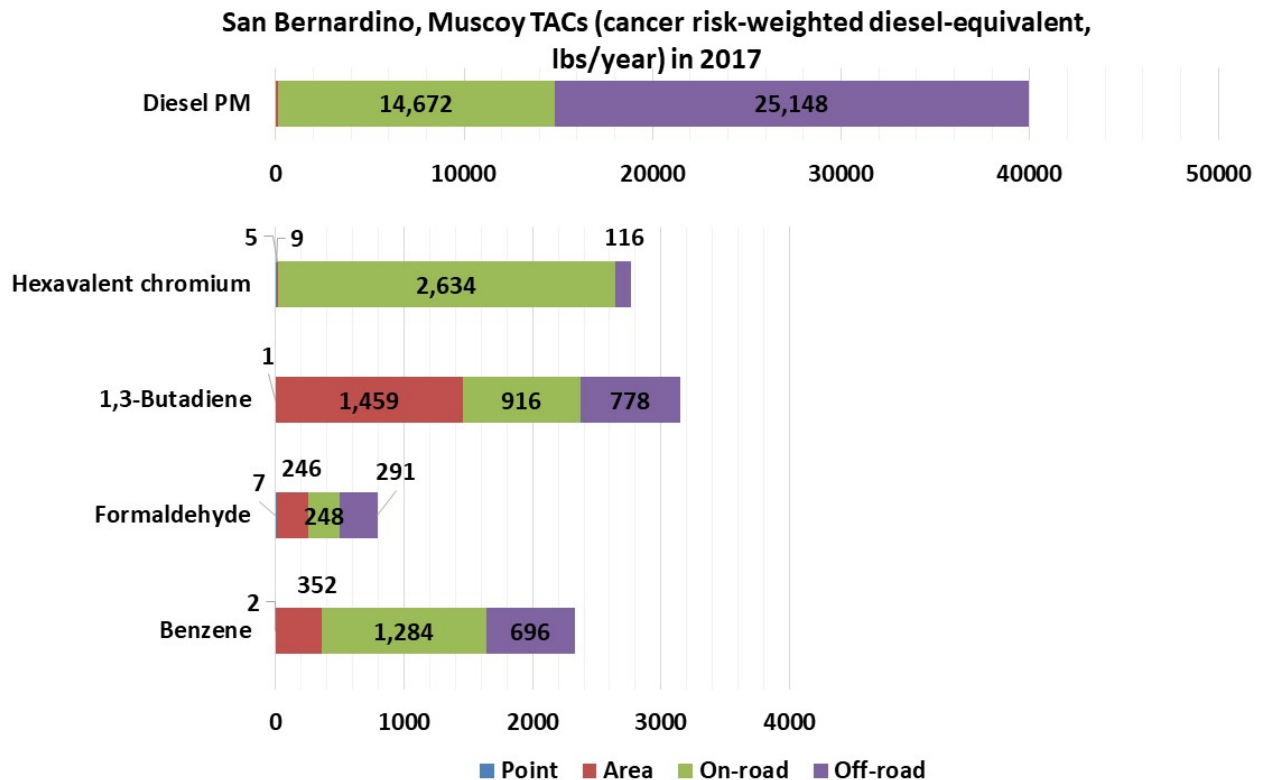
Figure 3b-1: Contribution of major sources to NO<sub>x</sub> emissions, VOC emissions, PM<sub>2.5</sub> emissions in San Bernardino and Muscoy in 2017 (tons/year)



The contribution from point, area, on-road and off-road emission sources to TACs emissions in this community are presented in Figure 3b-2. Note that the emissions in the figure are weighted based on the air toxics cancer risk (hereafter referred as “cancer risk”) of each TAC relative to DPM. For example, Cr6+ has a cancer risk that is approximately 464 times higher than that of DPM. Thus, Cr6+ emissions are multiplied by 464 to estimate the cancer-risk-weighted emissions of Cr6+. The units in the cancer-risk-weighted DPM-equivalent emissions are expressed in pounds per year (lbs/year). This weighting approach enables comparisons across the contribution of each

TAC to overall cancer risk using a consistent, toxicity-weighted scale. Cancer risk factors are calculated using cancer potency and basin-average inhalation rates. Since the cancer-risk weighted factors are relative to the DPM risk factor, relative weighting factors using cancer risk should be equivalent to weighting factors calculated using cancer potency. However, due to precision and rounding errors, weighting factors using cancer risk might not be identical to the weighting factors calculated using cancer potency for some TACs. Figure 3b-2 shows that DPM is the biggest contributor to the overall cancer risk in the community, followed by 1,3-butadiene, hexavalent chromium, and benzene. Figure 3b-2 also shows the major source categories of these main TACs. Most of the DPM and  $\text{Cr}^{6+}$  is emitted from mobile sources. A detailed emission inventory by major source categories is provided in the Appendix 3b.

Figure 3b-2: Contribution of major sources to toxic air contaminant emissions in the San Bernardino and Muscoy community in 2017 (shown in lbs/year, weighted by air toxics cancer risk). Note the different scale for DPM with respect to the other air toxics.



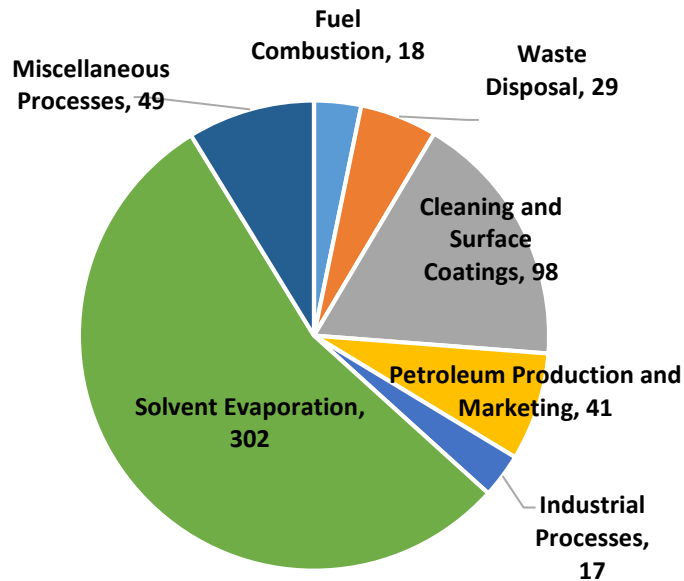
*Stationary and area sources*

Figure 3b-2 provides a summary of the sources of VOC and PM<sub>2.5</sub> emissions from stationary and area sources in the SBM community in 2017. The largest contribution to VOC emissions is solvent evaporation from consumer products. A wide range of industries also contribute significantly to the total VOC emissions from stationary sources, with degreasing and surface coating being the second largest source, and gas stations (petroleum marketing) also being a third significant source of VOC emissions.

Direct emissions of PM<sub>2.5</sub> in the SBM community originate from a wide range of activities, including commercial cooking, residential and commercial fuel combustion, and paved road dust. In addition, emissions from various industries, including mineral processing and manufacturing, contribute to total PM<sub>2.5</sub> emissions.

Figure 3b-3: Source attribution of VOC emissions and PM<sub>2.5</sub> emissions from stationary and area sources and area in the San Bernardino and Muscoy community for the year 2017

**San Bernardino, Muscoy stationary and area VOC  
in 2017 (tons/year)**



**San Bernardino, Muscoy stationary and area  
PM<sub>2.5</sub> in 2017 (tons/year)**

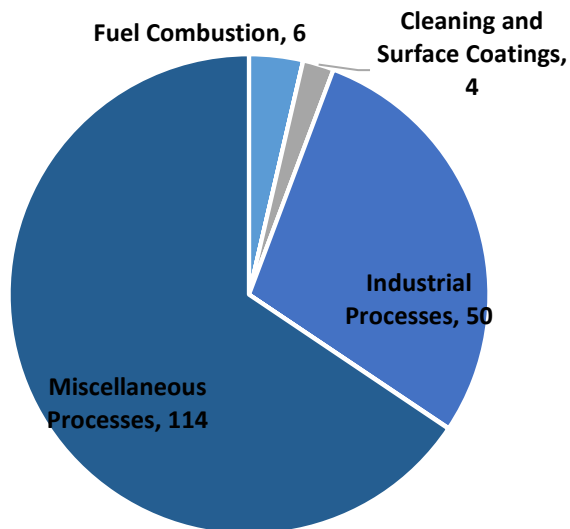


Figure 3b-4 illustrates the emissions of the major TACs from stationary and area sources in the community. The emissions of each pollutant are weighted by their cancer risk relative to DPM. In this community, 1,3-butadiene is the most predominant air toxic from stationary and area sources. The major source for 1,3-butadiene emissions is industrial processes (Figure 3b-5), mostly from chemical industries.

Figure 3b-4: Toxic air contaminant emissions, weighted by cancer risk, from stationary sources in the San Bernardino and Muscoy community for the year 2017 (in lbs/year)

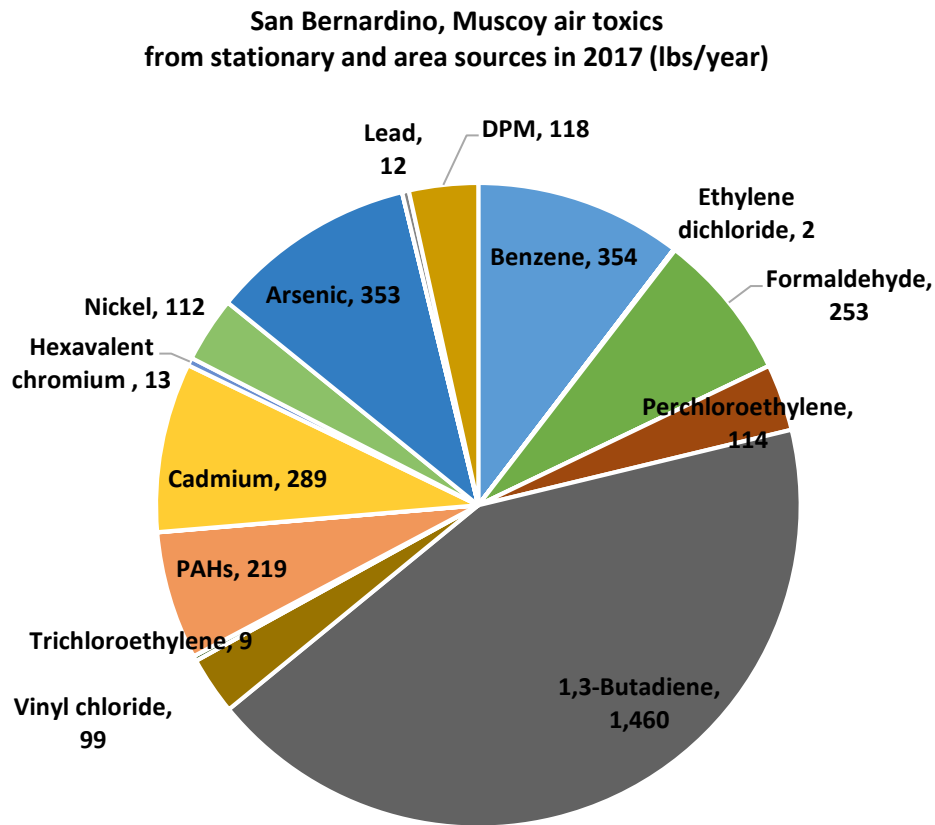
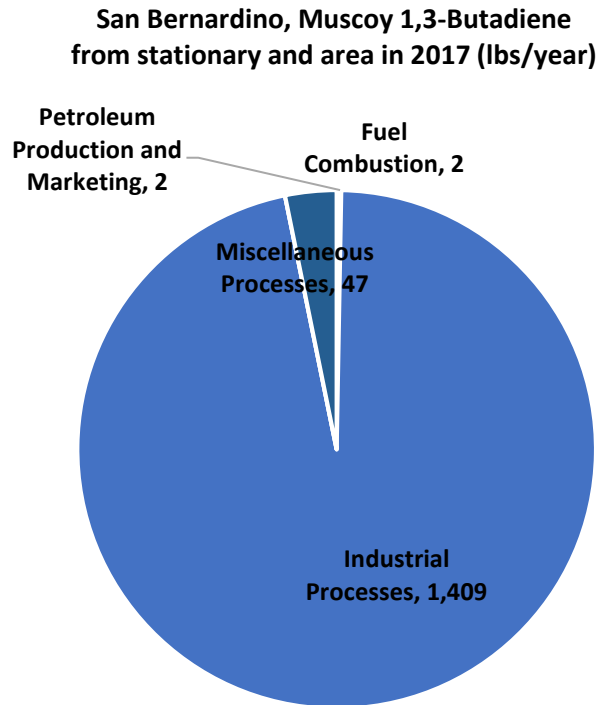


Figure 3b-5: Source attribution of 1,3-butadiene emissions from stationary and area sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



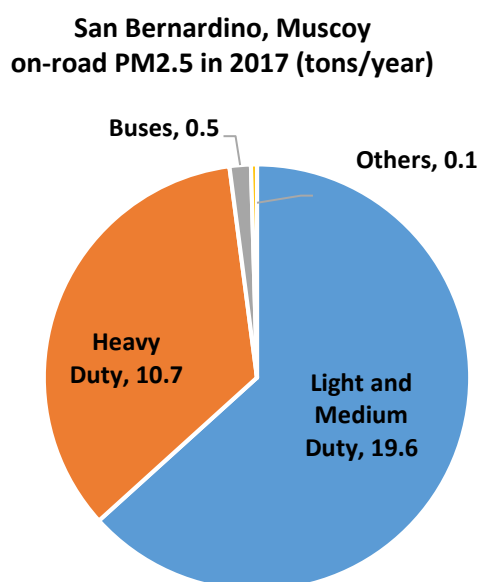
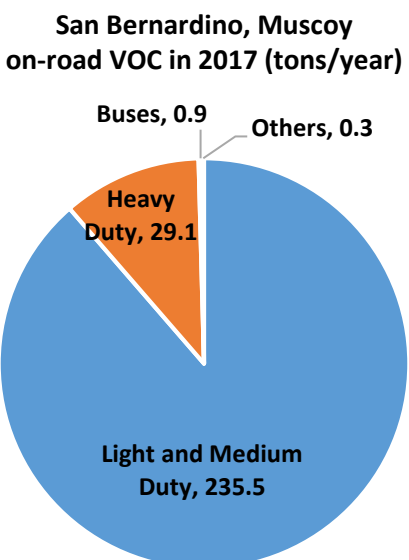
#### *On-road mobile sources*

In this community, passenger vehicles and light- and medium-duty vehicles contribute to the majority of VOC and PM<sub>2.5</sub> emissions (Figure 3b-6). VOC emissions are mostly from gasoline vehicles<sup>ii</sup>, and, as a result, passenger cars are the main contributor to VOC emissions because of the large number of vehicles and miles traveled by these types of vehicles. PM<sub>2.5</sub> emissions from on-road sources are from fuel combustion as well as from tire and brake wear. Light and medium duty vehicles are the main contributors to the total emissions of PM<sub>2.5</sub>, because these vehicles travel the most miles within the community. Even though heavy-duty trucks drive less than 10% of the total vehicle miles traveled in San Bernardino County, heavy-duty trucks contribute to more than 30% of the total PM<sub>2.5</sub> emissions from on-road sources<sup>iii</sup>.

<sup>ii</sup> These emissions are largely related to evaporative and running losses

<sup>iii</sup> Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.

Figure 3b-6: Source attribution of VOC emissions and PM2.5 emissions from on-road sources in the San Bernardino and Muscoy community for 2017

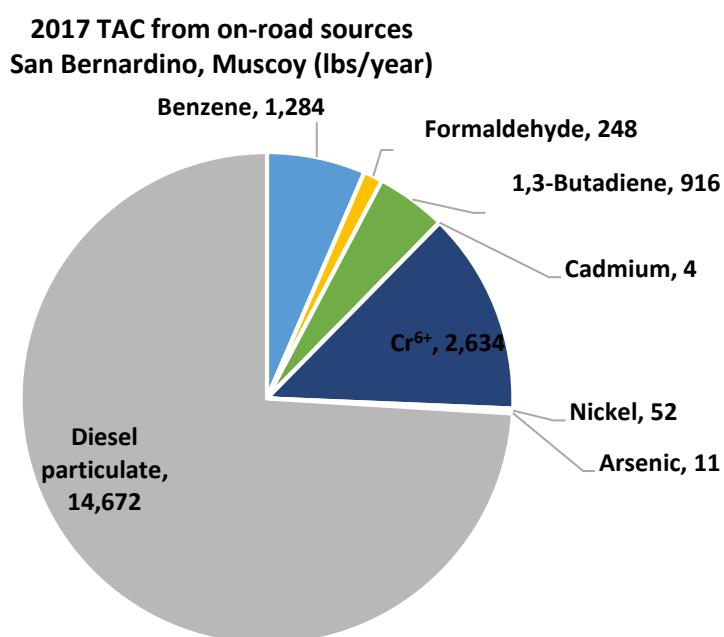




Toxic emissions from on-road sources are largely dominated by DPM (Figure 3b-7). The largest contributor to DPM emissions is diesel-fueled heavy-duty trucks, so the largest impacts from on-road sources in the community are concentrated along the main goods movement corridors. The second largest contributor to cancer risk from on-road sources is hexavalent chromium, which is emitted from brake wear<sup>iv</sup> and, to a smaller extent, from fuel combustion.

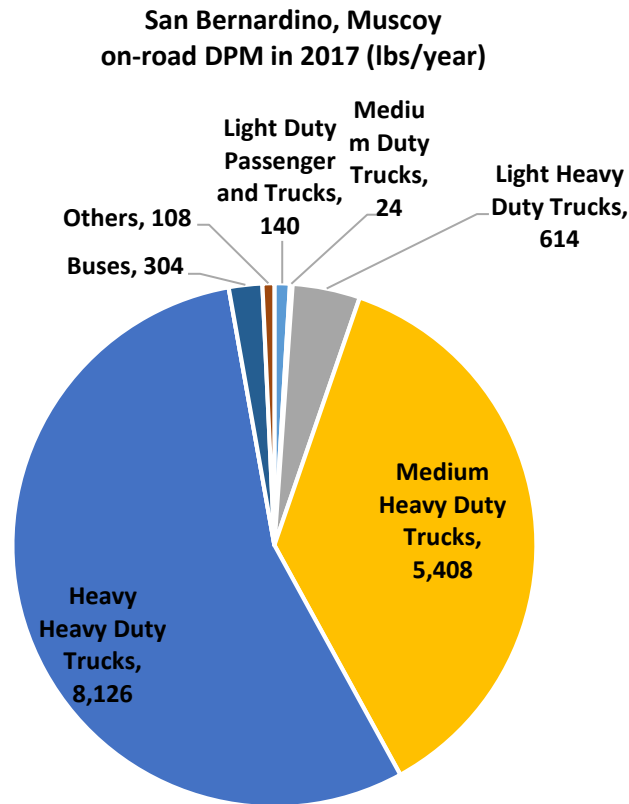
Other TACs emitted from on-road sources include benzene, 1,3-butadiene and formaldehyde. The source of benzene is evaporative losses and the incomplete combustion of gasoline, whereas formaldehyde and 1,3-butadiene emissions are generated from fuel combustion.

Figure 3b-7: Distribution of air contaminant emissions from on-road sources in San Bernardino and Muscoy for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



<sup>iv</sup> A small fraction of hexavalent chromium was considered to originate from vehicle brake wear. The emission factors were empirically adjusted for the MATES IV analysis. While this approach worked reasonably well for the MATES analysis, further evaluation may be required for adapting this adjustment to more recent data. For example, an adjustment may be required to reflect cleaner vehicle fuels compared to those in use during previous MATES.

Figure 3b-8: Source attribution of toxic air contaminant from on-road sources in the ~~East Los Angeles, Boyle Heights and West Commerce~~ San Bernardino, Muscoy community for the years 2017 (shown in lbs/year), weighted by air toxics cancer risk)



#### *Off-road mobile sources*

Figure 3b-9 presents the major sources of VOC and PM<sub>2.5</sub> emissions from off-road mobile sources. The largest contributor to total VOC from off-road mobile sources in the community is small off-road equipment. This category contains small off-road spark-ignition engines that include lawn and garden equipment, industrial and commercial utility equipment, golf carts, and specialty vehicles. Other significant sources of VOC include evaporative emissions from fuel storage and handling, recreational boats, recreational vehicles, and emissions from trains. Although there is no major waterway or waterbody in the SBM community, boats that are parked in the community still emit pollutants through fuel evaporation.

The largest off-road source contributing to PM<sub>2.5</sub> emissions is off-road equipment, both small commercial and large industrial equipment. The second largest contribution to PM<sub>2.5</sub> emissions from off-road sources in the community is trains. There is 1 intermodal railyard and 4 maintenance railyards within the community boundaries, and some of them are near residential areas.

Figure 3b-10 presents the contribution of TAC emissions from off-road sources in the SBM community. DPM is the toxic air contaminant that contributes the most to total cancer risk in the community from off-road mobile sources. The two main sources of DPM are trains and diesel off-road equipment (Figure 3b-11).

Figure 3b-9: Source attribution of VOC emissions and PM2.5 emissions from off-road mobile sources in the San Bernardino and Muscoy community for the years 2017

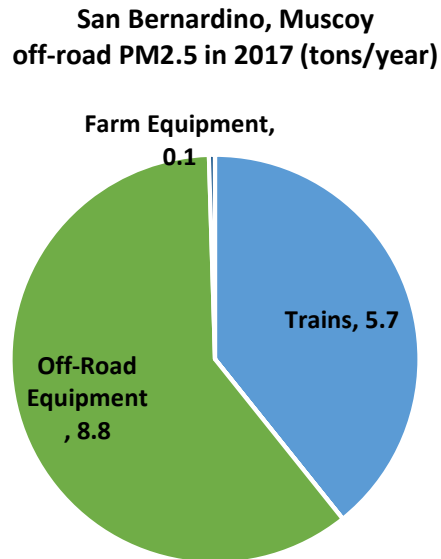
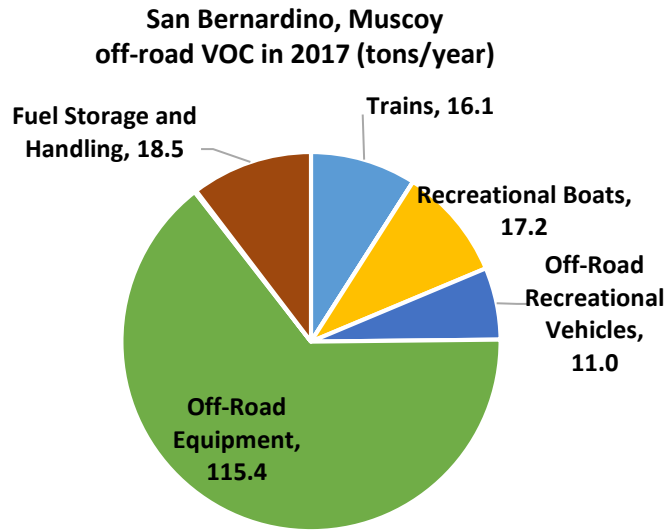


Figure 3b-10: Contribution of toxic air contaminant from off-road mobile sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

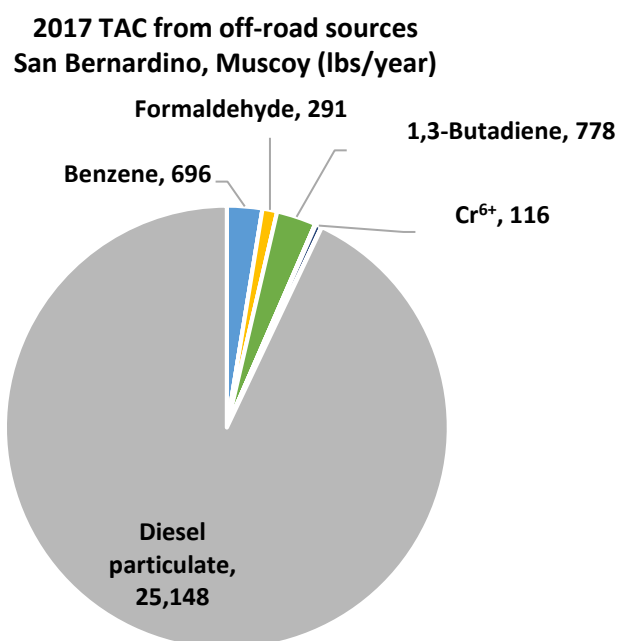
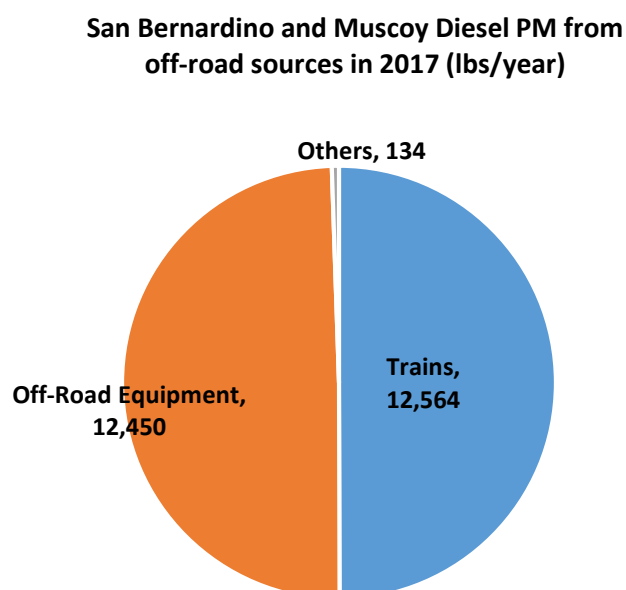


Figure 3b-11: Source attribution of DPM from off-road mobile sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



## Future year emissions inventory and source attribution

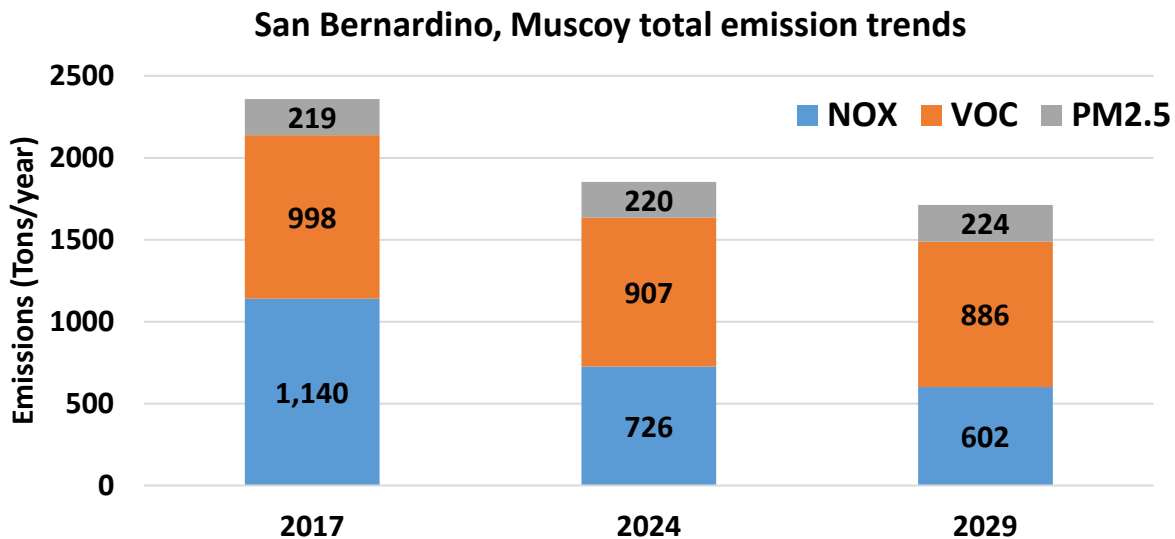
### *Trends of emission changes for CAPs and TACs*

Future emissions of CAPs and TACs in the SBM community are projected using the best available information on population growth, economic growth and emission adjustments reflecting ongoing regulations that reduce specific air pollutants. Regulations reflected in these adjustments include South Coast AQMD regulations and CARB regulations.

Heavy-duty diesel vehicles in this community will be subject to the CARB truck and bus regulation, with implementation dates after 2017. Off-road diesel equipment is also subject to existing state regulations that will reduce DPM emissions from these sources. The South Coast AQMD is developing various regulations to reduce NO<sub>x</sub> and VOC emissions since the adoption of the 2016 AQMP in March 2017. However, control factors for these future regulations and programs are still under development and not reflected in the current inventory. The current inventory for area and stationary sources reflects NO<sub>x</sub> and VOC rules adopted as of December 2015 and TACs rules adopted as of December 2017. Future versions of the emission inventory will reflect the more recently adopted regulations.

Figure 3b-12 presents the projected major CAPs emissions (NO<sub>x</sub>, VOC and PM<sub>2.5</sub>) in the SBM community in the two future milestone years 2024 and 2029, along with the base year 2017. The NO<sub>x</sub> emissions in the community are expected to decrease substantially between the year 2017 (1,140 tons/year) to the year 2024 (726 tons/year), due to the existing regulations on mobile sources and the emission reduction commitments under the RECLAIM program. The NO<sub>x</sub> emissions in 2029 are projected to continue decreasing (to 602 tons/year) despite the expected increase in industrial and mobile source activity. VOC emissions are expected to decrease by 11% between the years 2017 and 2029, mostly due to cleaner vehicle emissions. Unlike NO<sub>x</sub> and VOC emissions, PM<sub>2.5</sub> emissions increase by 2%, during the period from 2017 to 2029, due to increase in industrial and vehicle activity.

Figure 3b-12: The community total emission trends for NOx, VOC & PM2.5 (tons/year) for the year of 2017, 2024 and 2029



Trends for TAC emissions are shown in Figure 3b-13. DPM continues to dominate the TAC emissions inventory in future years, despite a significant reduction in DPM from heavy-duty trucks. DPM emissions decrease by 58% between 2017 (39,938 lbs/year) and 2024 (16,738 lbs/year), and continues to decline through 2029 (11,904 lbs/year). 1,3-butadiene is the second largest contributor to TAC, and these emissions remain relatively unchanged due to slight increases in industrial emissions offset by reductions in emissions from vehicles. The third largest contributor to TACs is hexavalent chromium, which increases slightly between 2017 and 2029, due to the increase in brake wear emissions and projected industrial activity growth. Benzene and formaldehyde emissions decrease throughout the 12-year period due to decreases in the emissions from vehicles, whereas emissions of metals such as cadmium, nickel, arsenic and lead, show a steady increasing trend due to projected industrial activity growth, and from paved road dust emission.

Figure 3b-14 presents the cumulative TAC emissions by the major categories for the base and two future milestone years. The overall cancer-risk-weighted emissions decrease between 2017 and 2029. The decrease is more pronounced in the first 7 years due to the emission reductions in diesel heavy duty trucks and off-road equipment.

It is important to note that many of the South Coast AQMD regulations addressing toxic metal pollution emissions from industrial facilities (e.g. South Coast AQMD Rule 1407 and Rule 1469) include requirements that reduce fugitive emissions from these facilities. Fugitive emissions can often account for the vast majority of the toxic metal emissions from a facility. Unfortunately, the methods available to create an emissions inventory are not able to reflect fugitive emissions

from these facilities. Therefore, while the inventory may not show an overall decrease in toxic metal emissions, the regulations result in overall decreased emissions due to reductions in fugitive emissions.

Figure 3b-13: The community total emission trends for toxic air contaminants for the years of 2017, 2024 and 2029 (shown in lbs/year, weighted by air toxics cancer risk).

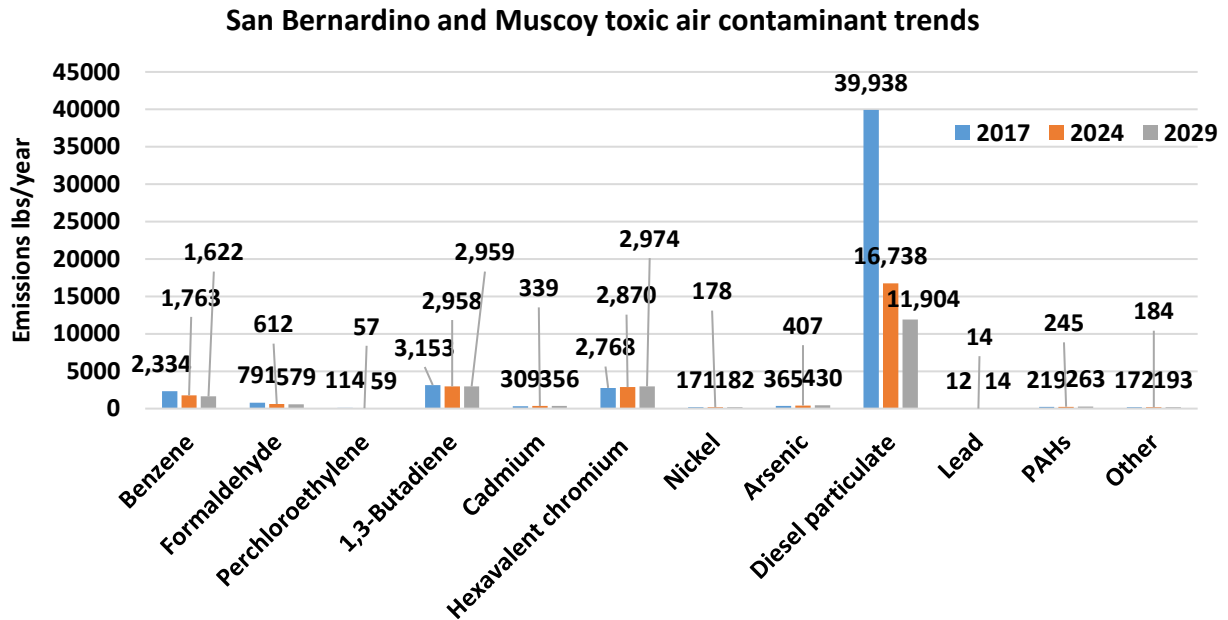
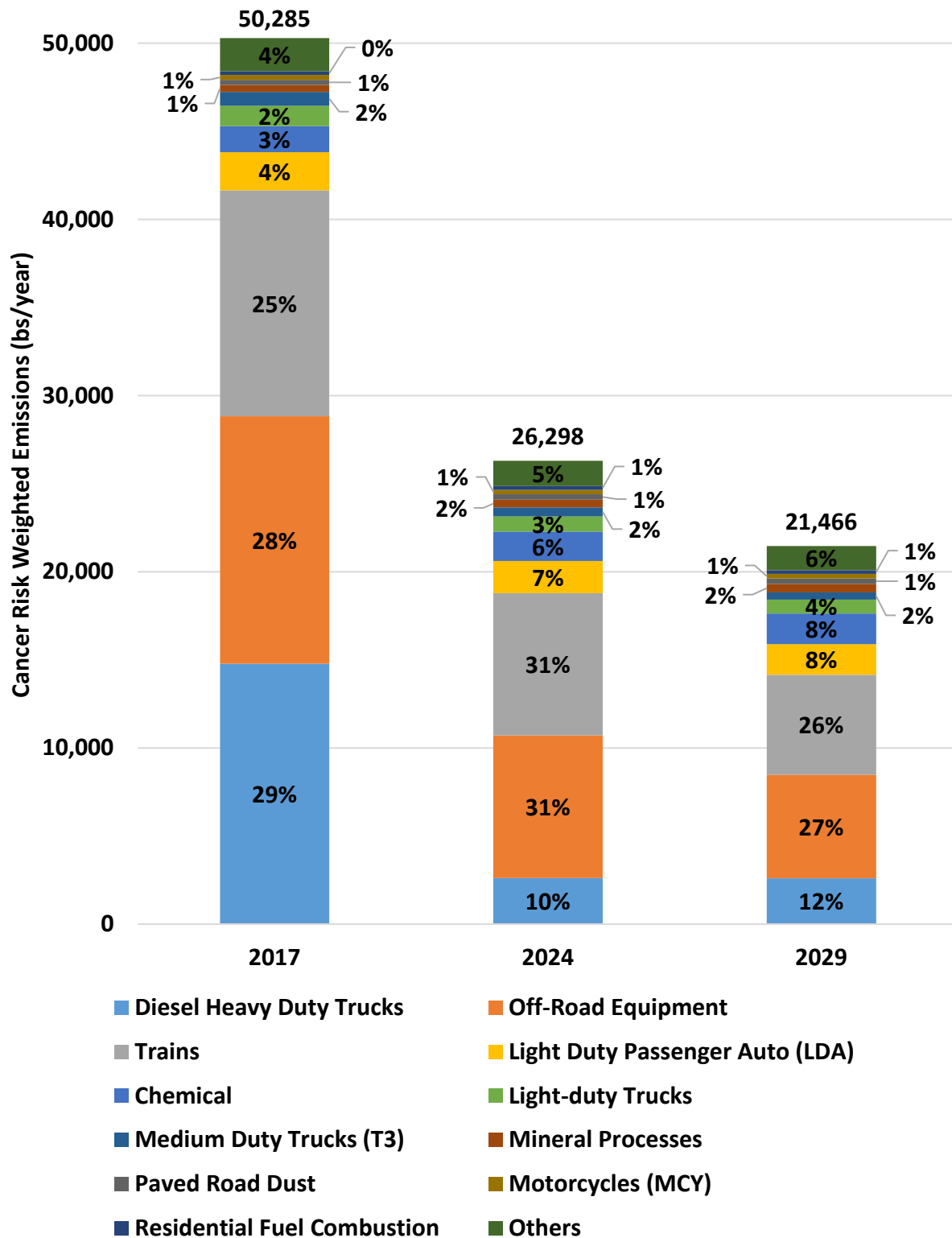




Figure 3b-14: Toxic air contaminant emissions from all sources in the San Bernardino and Muscoy community, shown by major categories. Emissions are weighted based on their cancer risk relative to DPM.

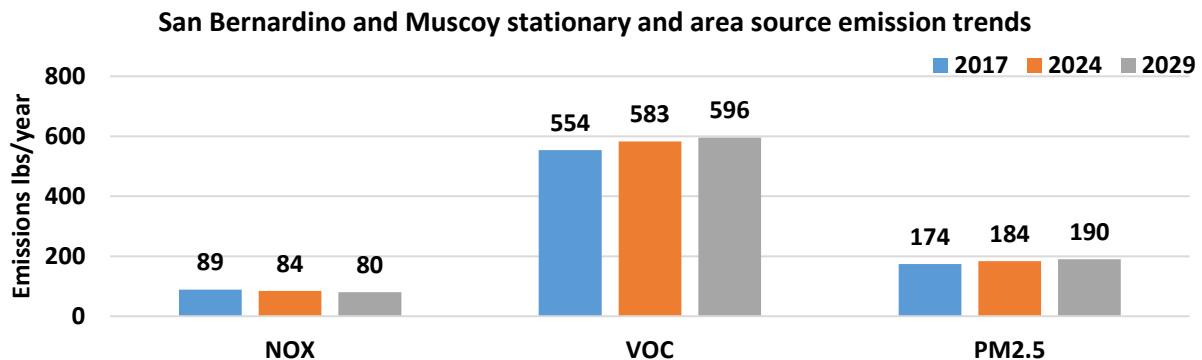


### Stationary and Area Sources

The trends in total emissions of NO<sub>x</sub>, VOC and PM<sub>2.5</sub> from stationary and area sources in this community are shown in Figure 3b-15. NO<sub>x</sub> emissions are expected to decline from 2017 to 2024, due to the emission reductions from RECLAIM facilities.<sup>5</sup> VOC and PM<sub>2.5</sub> emissions are expected to grow gradually due to the projected growth in population and economic and industrial activities.

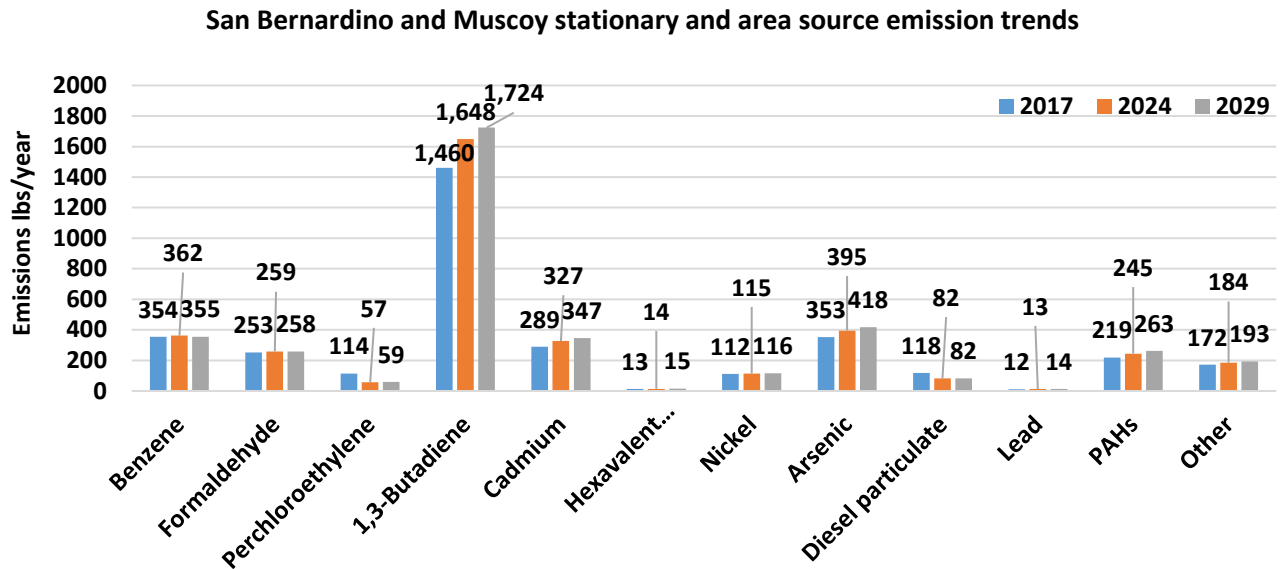
1,3-Butadiene is the largest contributor to total toxic emissions from area and stationary sources (Figure 3b-16), and its emission is expected to grow from 2017 to 2029 due to the projected industrial activity growth during the same period. The major source for 1,3-butadiene emissions is the chemical industry. Emissions of other TACs that are primarily emitted from industrial activities, i.e., formaldehyde, cadmium, arsenic, nickel, and lead, are also expected to increase due to industrial growth. Only DPM and perchloroethylene emissions are expected to decline due to on-going regulations.

Figure 3b-15: Trends in NO<sub>x</sub>, VOC and PM<sub>2.5</sub> emissions from stationary and area sources in the San Bernardino and Muscoy community. Emissions are presented in pounds per year



<sup>5</sup> NO<sub>x</sub> RECLAIM is an emission cap-and-trade program that includes larger stationary sources located in the Basin. The current regulation, Rule 2002 requires 12 tons per year of NO<sub>x</sub> emission reductions from 2016 to 2022. When the rule is fully implemented in 2022, no significant changes in NO<sub>x</sub> are expected except for a slight increase from 2024 to 2029 due to the growth in economic, industrial, and commercial activities. The 2016 AQMP includes a control measure to target an additional 5 tons per year of NO<sub>x</sub> reduction from the RECLAIM facilities by 2031. The impact of the additional “NO<sub>x</sub> shave” is not reflected in the community inventory since December 2015 was the cut off for stationary source regulations to reflect on the inventory. The rulemaking to achieve additional 5 TPD NO<sub>x</sub> is still ongoing and will be reflected on the inventory when it is finalized.

Figure 3b-16: Trends in toxic air contaminant emissions from stationary and area sources in the San Bernardino, Muscoy community (shown in lbs/year, weighted by air toxics cancer risk).



#### *On-road mobile sources*

Trends for on-road emissions are presented in Figure 3b-17. On-road emissions are expected to decline significantly between 2017 and 2024, due to the turnover of light-duty passenger vehicles and heavy-duty trucks. NO<sub>x</sub> emissions will continue decreasing after 2024 but at a slower rate, because the effect of regulations will be partially offset by the increase in vehicle activity (Table 3b-1).

VOC emissions are expected to decline for all vehicle types except for motorcycles, whose emissions grow steadily between 2017 and 2029. PM<sub>2.5</sub> emissions are expected to decline for all vehicle types between 2017 and 2024. After 2024, the effect of vehicle regulations on light-, medium- and heavy-heavy duty trucks is offset by their activity growth. Emissions of PM<sub>2.5</sub> from heavy-duty trucks are expected to increase slightly, offsetting passenger vehicle PM<sub>2.5</sub> emission reductions. As a result, overall PM<sub>2.5</sub> emissions from vehicles are expected to remain unchanged between 2024 and 2029.

Figure 3b-18 presents the trends in emissions of TACs from on-road sources. DPM is the predominant TAC in 2017, followed by hexavalent chromium. However, DPM emissions decline drastically between 2017 and 2024, due to regulations on heavy-duty diesel trucks, and continue decreasing through 2029. Hexavalent chromium emissions are predominantly from brake wear, which is directly related to VMT, with a small contribution from fuel combustion. Because VMT from vehicles are expected to increase, emissions of hexavalent chromium are also expected to increase from this source. However, it is important to note that there is uncertainty in the amount

of hexavalent chromium emissions associated with vehicular activities especially in brake wear. While the emission factors need further evaluation, the increase in VMT would still certainly contribute to the increase in vehicular emissions. Benzene emissions are projected to decline due to reductions in evaporative emissions from vehicles. Formaldehyde and 1,3-butadiene emissions are projected to decrease due to expected reductions in VOC emissions from vehicle exhaust.

Table 3b-1: Trends in vehicle miles traveled (VMT) from on-road mobile sources in the San Bernardino and Muscoy community

Year	Vehicle Categories					Total
	Light and Medium Duty	Light Heavy Duty	Medium Heavy Duty	Heavy Heavy-Duty	Buses	
2017	2,793	66	43	82	7	2,991
2024	2,855	49	57	106	7	3,074
2029	2,914	43	59	114	7	3,137

Unit in 1000 miles

Figure 3b-17: Trends in NOx, VOC and PM25 emissions from on-road mobile sources in the San Bernardino and Muscoy community. Emission values in tons per year.

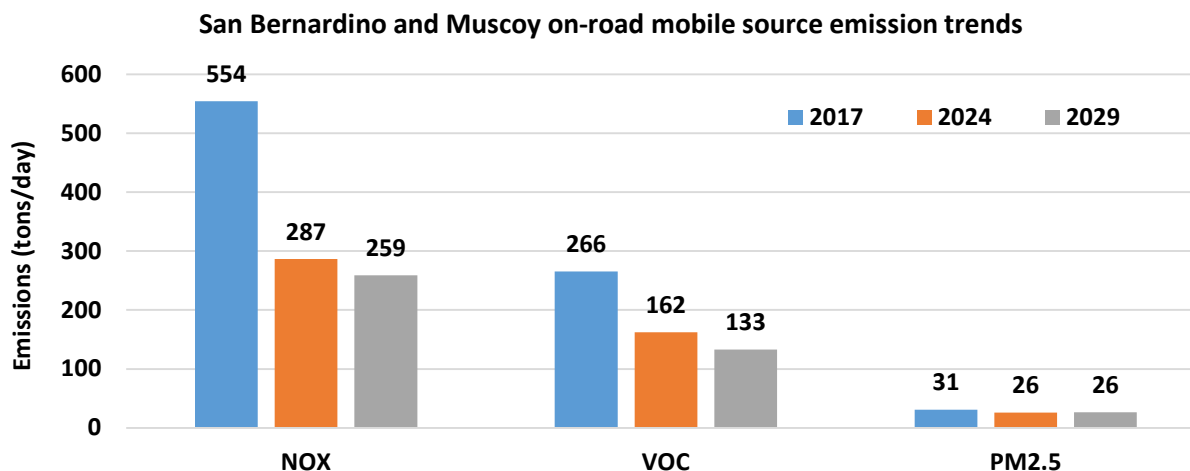
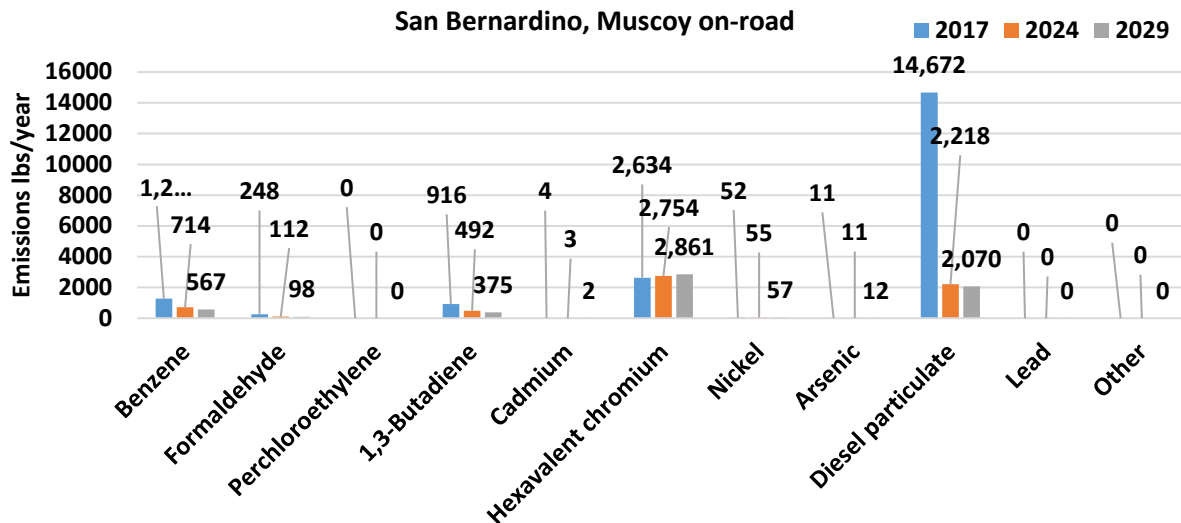


Figure 3b-18: Trends in toxic air contaminant emissions from on-road sources in the San Bernardino, Muscoy community (shown in lbs/year, weighted by air toxics cancer risk)



#### *Off-road mobile sources*

Trends in emissions of NO<sub>x</sub>, VOC, and PM<sub>2.5</sub> from off-road mobile sources in the SBM community are presented in Figure 3b-19. All three pollutants are projected to decline steadily between 2017 and 2029. In general, emissions are expected to decline due to emission reductions from trains and industrial off-road equipment, due to turnover of older equipment to newer, cleaner equipment. Reductions in evaporative emissions from fuel storage handling and recreational vehicles drive the overall VOC reductions in the community.

Trends in toxic air contaminant emissions are presented in Figure 3b-20. Emissions from off-road mobile sources are still dominated by diesel emissions from trains and off-road equipment in 2024 and 2029. Off-road equipment regulations reduce the overall TACs in the community. While benzene and 1,3-butadiene decrease between 2017 and 2024, the projected increase in industrial activity through 2029 offsets the effect of regulations in the 2017-2024 period. The emissions of the rest of relevant TAC are projected to decline as a result of regulations.

Figure 3b-19: Trends in NOx, ROG and PM25 emissions from off-road mobile sources in the San Bernardino, Muscoy community. Emission values in tons per year.

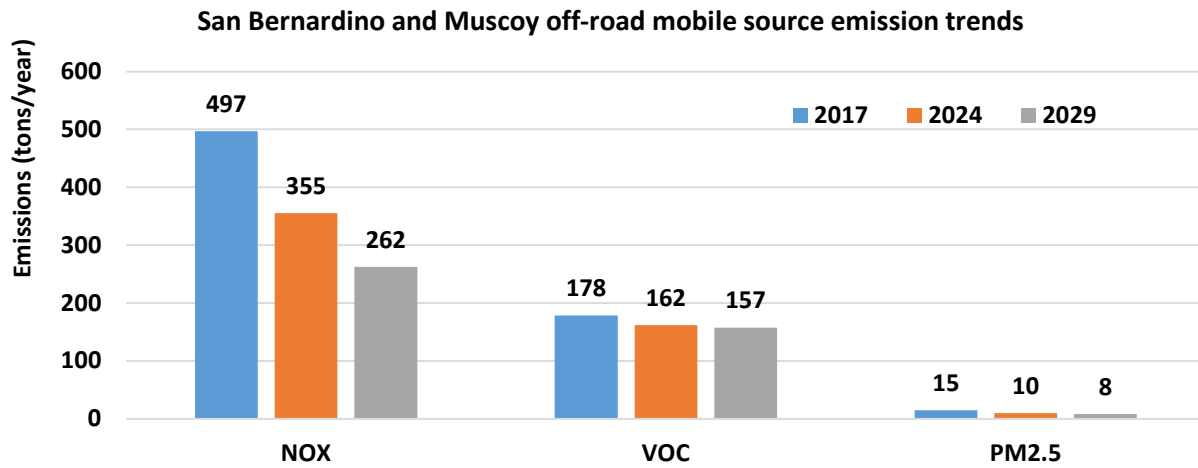
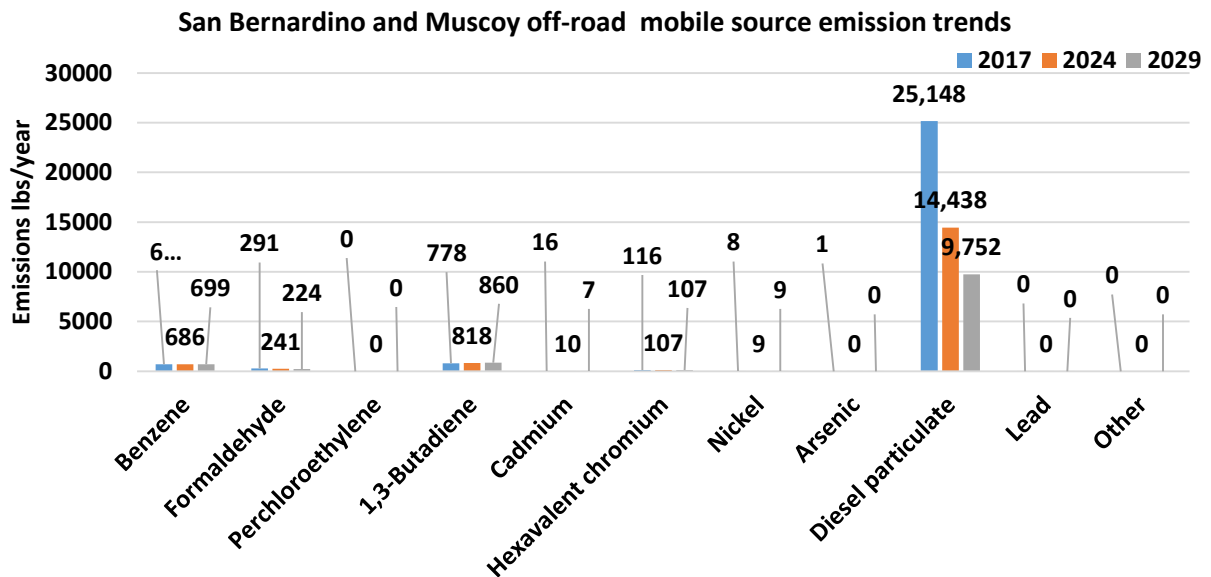


Figure 3b-20: Trends in toxic air contaminant emissions from off-road mobile sources in San Bernardino and Muscoy (shown in lbs/year, weighted by air toxics cancer risk)



### Source Attribution Summary

The main sources of air pollution emissions in the SBM community are on-road traffic, trains, off-road equipment, and certain industrial activities.

NO<sub>x</sub> emissions in this community are dominated by mobile sources – both on-road and off-road – which account for more than 90% of the total emissions. Heavy-duty truck traffic, trains, and off-road equipment are the largest sources for NO<sub>x</sub>. Stationary and area sources contribute to less than 10% of NO<sub>x</sub> emissions in this community, mostly from fuel combustion in the residential, commercial, and industrial sectors.

VOC emissions are dominated by area sources, with consumer products being the largest source. Passenger vehicles and off-road equipment, such as lawn mowers and small gasoline engines, are the largest contributors to VOC from on-road and off-road mobile sources, respectively. Three quarters of PM<sub>2.5</sub> emissions are from miscellaneous area sources that include commercial cooking, residential fuel combustion, construction, and paved road dust.

TAC emissions in the SBM community are dominated by DPM from diesel fueled vehicles and equipment such as heavy-duty trucks, trains and heavy industrial off-road equipment. 1,3-butadiene is the second largest component of TACs based on cancer-risk-weighted emissions, and its major sources include chemical industry and on-road vehicles. Other significant TAC species include hexavalent chromium, predominantly from brake wear from on-road mobile sources.

Future NO<sub>x</sub> emissions in the community are expected to decrease due to the regulations on mobile sources. VOC emissions are also expected to decline, albeit at a slower pace than NO<sub>x</sub>. Emissions of DPM associated with heavy-duty trucks are also expected to decrease due to recent regulations, and CARB's in-use off-road diesel-fueled fleets regulation will also contribute to reducing DPM. Emissions of 1,3-butadiene from stationary and area sources are expected to increase slightly in the future years, due to increased industrial activity. However, in future years, DPM continues to be the main contributor to cancer risk in this community.

---

<sup>1</sup> Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. [<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf?sfvrsn=8>]

THIS PAGE IS INTENTIONALLY LEFT BLANK



---

# CHAPTER 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 4: Enforcement Plan

### Introduction

This chapter describes the enforcement history and overall approach to enforcement by the South Coast AQMD and the California Air Resources Board (CARB). In addition, the Community Emissions Reduction Plan (CERP) includes focused enforcement actions, which are described within Chapter 5 (idling truck sweeps and truck enforcement in priority areas; air monitoring and inspection at plants). It is important that enforcement actions are part of the overall AB 617 program actions, which enables the program to be more effective in addressing this community's air quality priorities.

### Chapter 4 Highlights

- From 2016 to 2018, CARB has conducted over 1900 inspections and South Coast AQMD conducted approximately 99 inspections and responded to approximately 300 complaints in the San Bernardino, Muscoy community.
- Both CARB and South Coast AQMD will continue to design their programs to most effectively address sources within their respective jurisdictions.
- An enforcement approach that utilizes specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further emission reductions.

### Overview of Air Quality Related Enforcement Program - Purpose and Jurisdiction

The primary goal of enforcement activities is for regulated entities to achieve compliance with air quality rules and regulations, and to protect public health. Part of this process involves consistently identifying and resolving violations, thereby ensuring a level playing field for all regulated entities and preventing unfair advantages for violators.

Both CARB and South Coast AQMD regulate and enforce air pollution regulations. Both agencies have the right to conduct inspections of air pollution sources, and the right to issue notices of violations that can lead to penalties.<sup>i</sup>

An air pollution source can be a specific piece of equipment, a business, a government agency, or any other entity that creates air pollution. CARB is primarily responsible for enforcement of rules applying to trucks, buses, and other mobile sources, while South Coast AQMD is primarily responsible for enforcement of rules applying to facilities (e.g., stationary sources).<sup>ii</sup>

<sup>i</sup> More information about penalties is provided in the Appendix 4.

<sup>ii</sup> In some cases, CARB may have agreements that give local air districts delegated authority to enforce a particular CARB rule. Other regulations, such as CARB's truck idling regulation, expressly allow enforcement by local air quality regulators.

Table 4-1: Overview of regulatory authority for South Coast AQMD and CARB

Air Pollution Source Category	Examples	Main Regulatory Agency
<b>Mobile sources<sup>iii</sup></b>	Trucks, buses, ships, boats, cargo handling equipment	CARB
<b>Stationary sources</b>	Refineries, power plants, oil and gas facilities, manufacturing plants; indirect sources	South Coast AQMD
<b>Area-wide sources</b>	Paint used on buildings, dust	South Coast AQMD
<b>Sources of greenhouse gases</b>	Methane and volatile organic compound emissions from facilities	CARB and South Coast AQMD

### Enforcement History

Over the years, both CARB and South Coast AQMD enforcement staff have had a significant presence in the community of San Bernardino, Muscoy (SBM). This section provides the most recent 3-year enforcement history for each agency in this community.

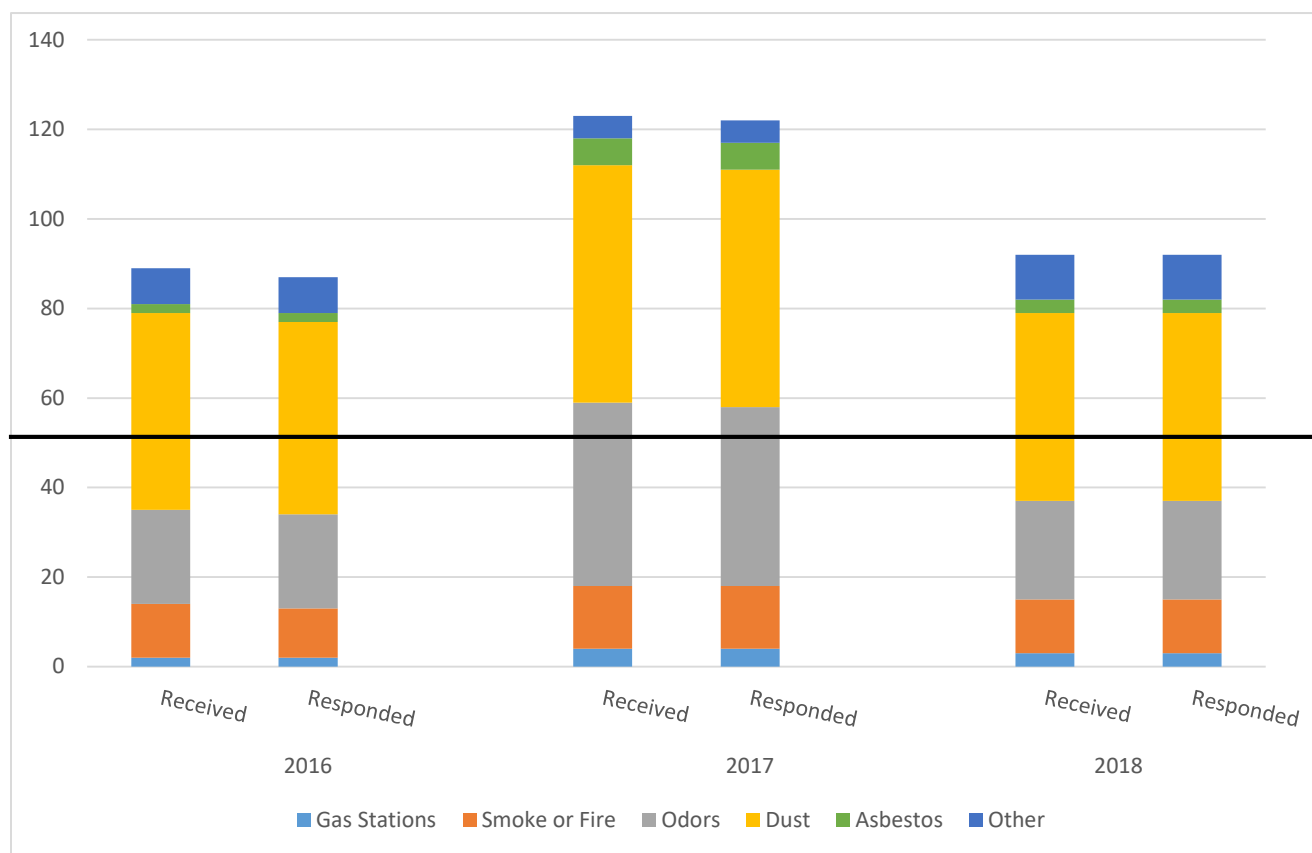
### South Coast AQMD Enforcement History in this Community

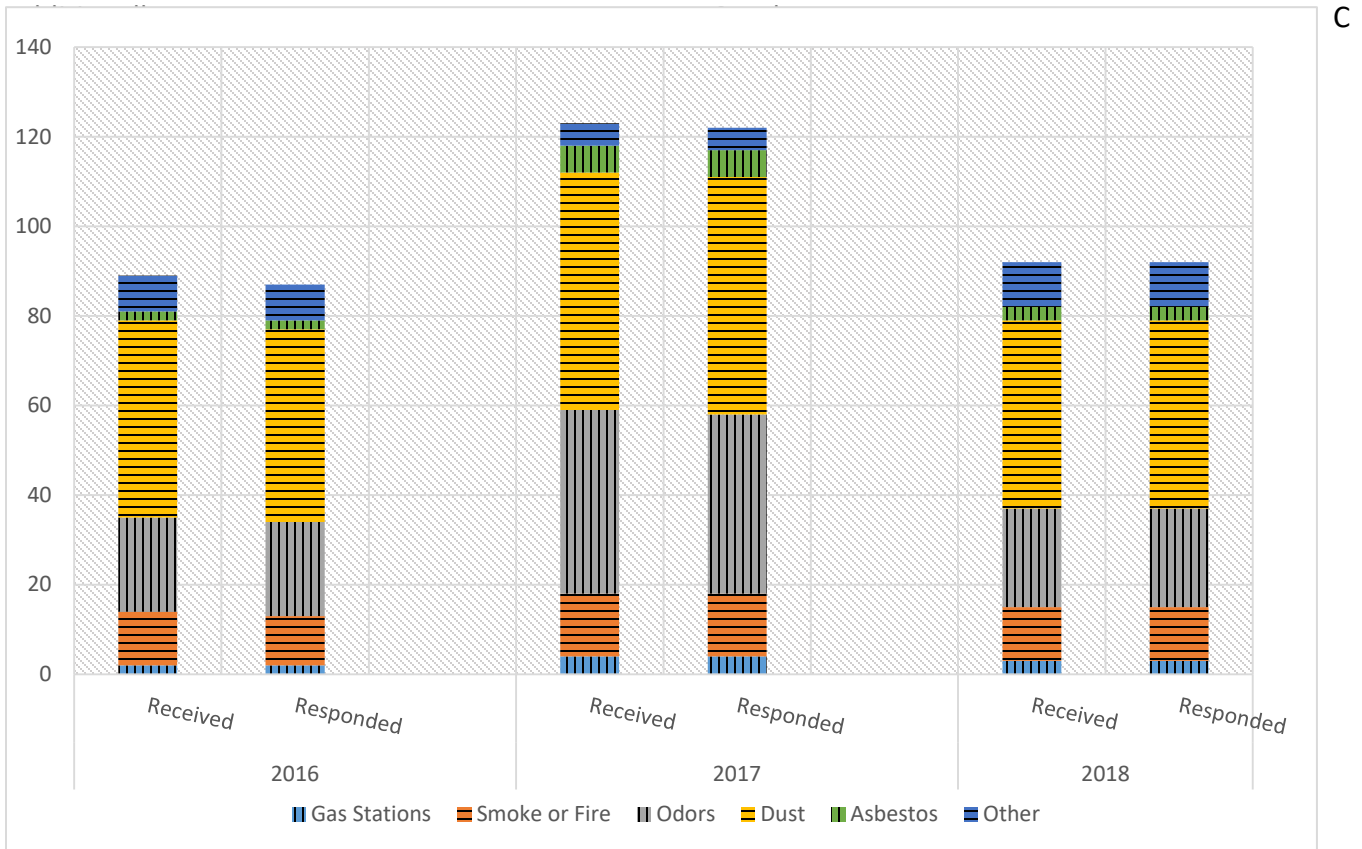
South Coast AQMD's enforcement presence includes many different compliance-related activities including, but not limited to, investigating complaints, responding to breakdowns, and performing facility inspections.

Responding to complaints is a crucial part of South Coast AQMD's enforcement program. By taking complaints directly from members of the public, inspectors can focus their efforts to identify and address air pollution problems that matter to the community. South Coast AQMD's enforcement team gives priority to complaints and attempts to respond to every air quality complaint received. The process of responding to a complaint can be unique for each complaint, depending on factors such as whether the air quality concern is ongoing, the type of source, the time of day, and the number of complaints for that air quality concern. For example, South Coast AQMD responds to non-business-off-hour complaints based on the number of complaints that are received for a particular air quality concern. ~~Figure 4-1~~ **Figure 4-1** shows the number and types of complaints received by South Coast AQMD in this community, for the 2016 to 2018 time period. A large portion of the complaints in the SBM community are due to dust and odor concerns.

<sup>iii</sup> Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions.

Figure 4-1: Number of complaints (by type) in the San Bernardino, Muscoy community.





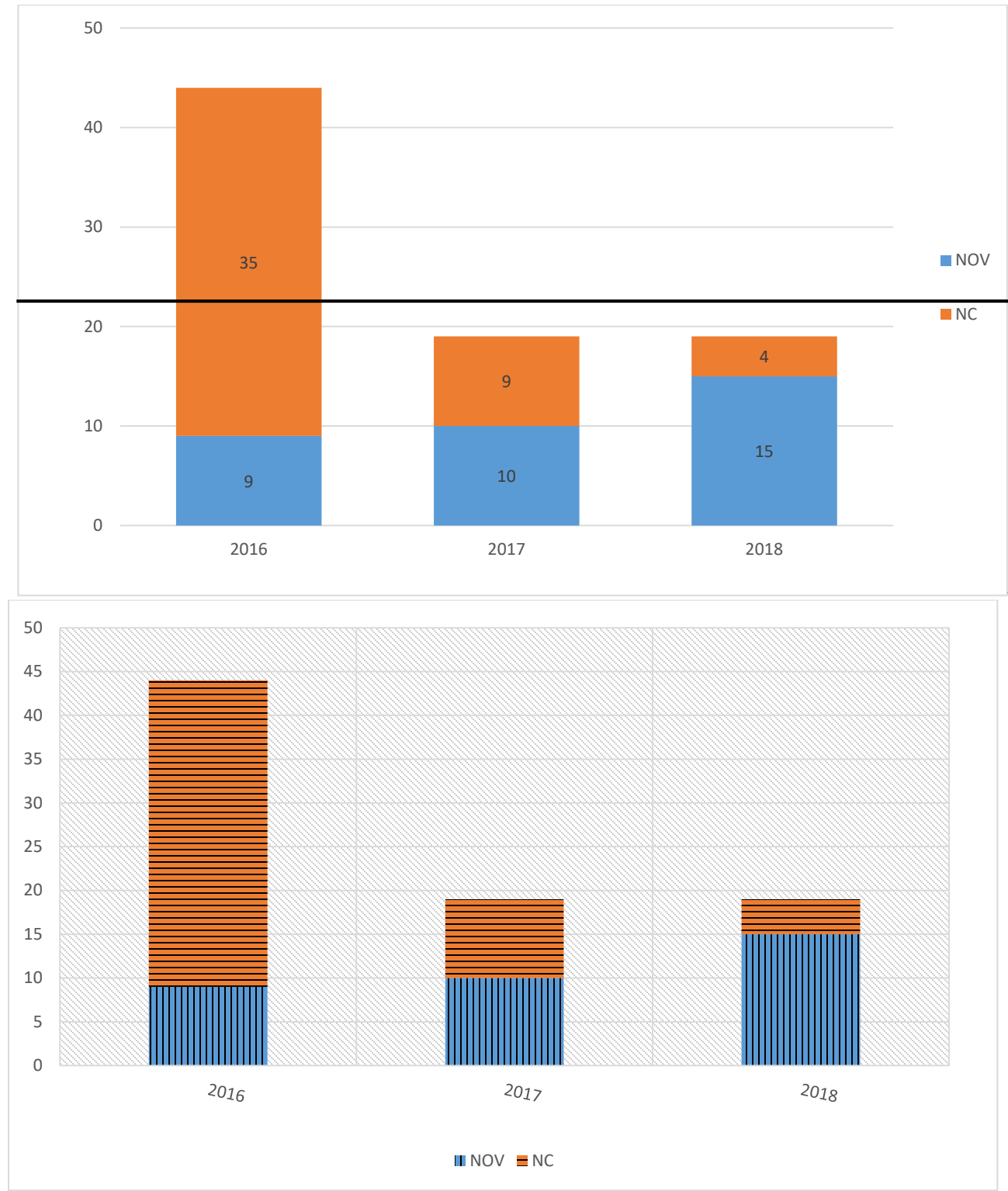
South Coast AQMD's enforcement staff perform inspection activities at facilities and other air pollution sources. These activities can include onsite inspections for permitted and non-permitted equipment, leaks, and compliance with rules, as well as surveillance activities in the community, such as to trace the source of an odor. As of May 2019, there are approximately 154 facilities permitted by the South Coast AQMD in this community.

Enforcement actions typically involve issuing one of two types of notices:

- *Notice to Comply (NC)* – requiring a facility to quickly correct a minor violation or to provide specified records; or
- *Notice of Violation (NOV)* – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution.

Between 2016 and 2018, South Coast AQMD conducted approximately 99 facility inspections and issued 34 NOVs in the San Bernardino, Muscogee community. Figure 4-2 shows the number of NCs and NOVs in this community during 2016 and 2018. A list of these compliance actions is available in the Appendix 4.

Figure 4-2: Number of Notices to Comply (NCs) and Notices of Violation (NOVs) issued in the San Bernardino and Muscoy community



### CARB Enforcement History in this Community

CARB's enforcement process is two-pronged, including conducting field inspections and fleet-wide audits. For field inspections, the focus has been on enforcing heavy-duty diesel vehicle (HDDV) regulations, such as the statewide truck and bus rule, off-road rule, and the heavy-duty vehicle inspection program (HDVIP); at the refineries and fueling stations enforcing fuel formulation regulations; and in the ports enforcing regulations related to shore power, ocean-going vessels, commercial harbor craft and cargo handling equipment. As Figure 4-3 shows, of the vehicles inspected in the San Bernardino, Muscoy community, compliance with CARB's regulations overall appears high, but has varied (see Appendix 4 for CARB's 2016 - 2018 Three-Year Enforcement History) annually. This is potentially dependent on a few factors, including the number of vehicles inspected, the method of selecting vehicles for inspection (e.g., targeting vehicles that might fail inspection), and a number of other factors outside the scope of this analysis. CARB's enforcement has been focused on HDDV regulations, such as the Drayage Truck and the Statewide Truck and Bus rules, as well as the Heavy-duty Vehicle Inspection Program (HDVIP) in this area, with over 1900 inspections conducted in the community in the past three years. Of those vehicles inspected, less than 90 were not in compliance with CARB's regulations. Specifically, over 1000 inspections were conducted at the railyards in 2018. Of the 1066 inspections conducted at BNSF's railyards in SBM in 2018, there were 32 violations, of which 27 were non-emissions violations (e.g., lack of labeling or reporting).

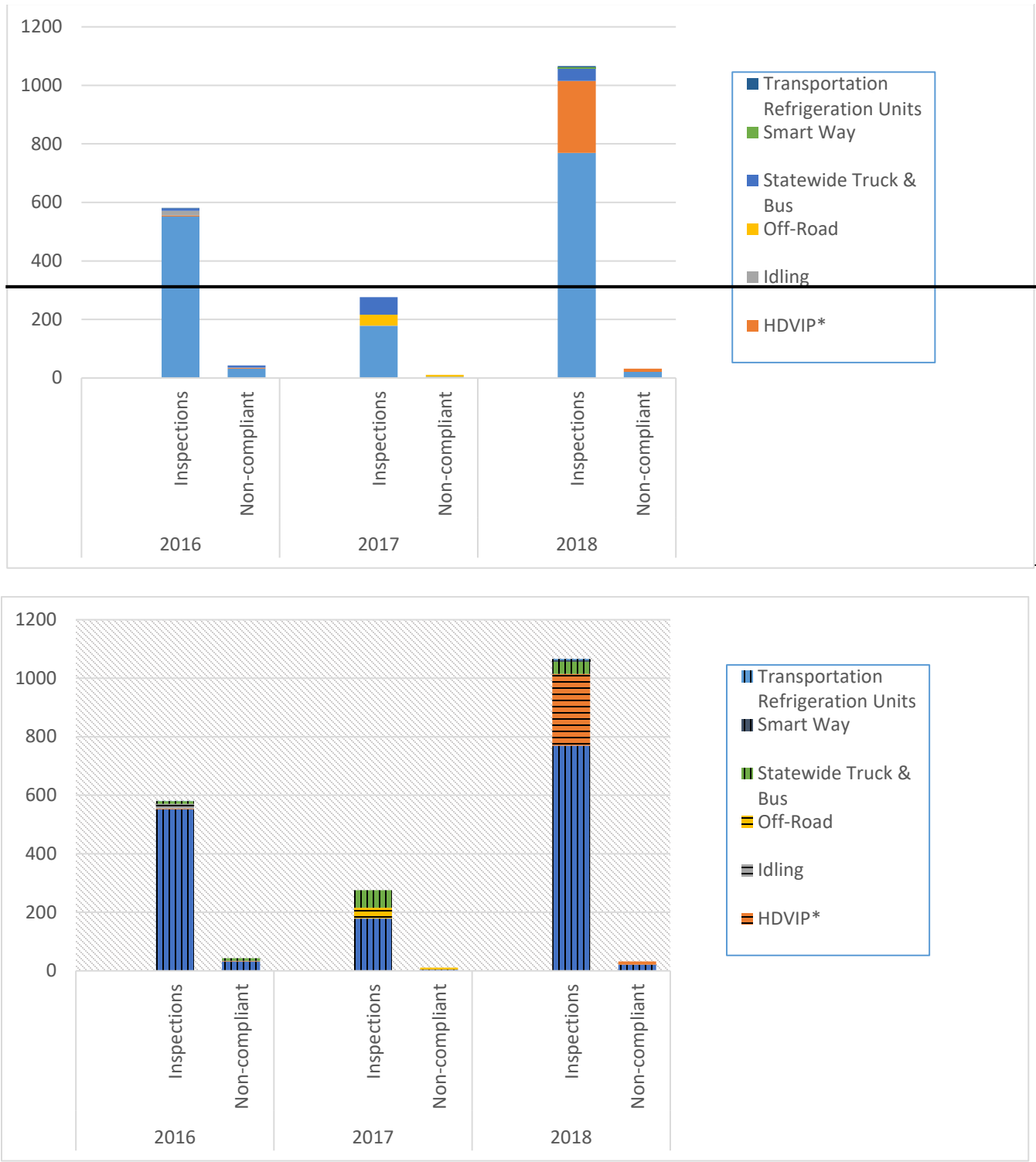
For fleet-wide audits, generally fewer heavy-duty vehicle enforcement inspections have occurred in the area during this time-frame, however beginning in 2018, CARB added the Streamlined Truck Enforcement Program (STEP) to enhance its ability to enforce the Statewide Truck and Bus regulation. Between January 2018 and May 2019, CARB audited 176 fleets in SBM. Of the 353 vehicles in the audit, CARB placed California Department of Motor Vehicles (DMV) registration holds on 198 of those vehicles. This represents a compliance rate of 44 percent with the Statewide Truck and Bus rule. The STEP and CARB's roadside inspection program complement each other. In CARB's roadside inspections, which represent a snapshot of heavy duty vehicle activity, the overall compliance rate from 2016 – 2018 was 93 percent (based on inspecting 112 vehicles). As of May 2019, owners have brought 17 of those vehicles audited in STEP into compliance. While the STEP process can assess more trucks ~~quicker~~ more quickly than in-person roadside inspections, CARB believes that compliance with the Statewide Truck and Bus regulation will continue to improve next year as compliance is tied to California DMV vehicle registration<sup>iv</sup>.

For some of CARB's regulations, enforcement staff have not yet conducted extensive enforcement activities on the concerns that the CSC has raised. However, CARB's enforcement efforts are being enhanced in this community to address community concerns.

<sup>iv</sup> Senate Bill 1 ([https://leginfo.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180SB1](https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201720180SB1)).



Figure 4-3: CARB Heavy-duty Diesel Vehicle Enforcement History by Program Type in the San Bernardino and Muscoy Community.



In summary, between 2016 and 2018, both CARB and South Coast AQMD have conducted a range of compliance activities in the community including more than 1900 inspections ~~by~~<sup>from</sup> CARB enforcement staff related to heavy-duty diesel vehicles. Of those inspections, the vast majority of vehicles were in compliance, with ~~less~~<sup>fewer</sup> than 90 not in compliance. South Coast AQMD enforcement staff conducted approximately 100 facility inspections, responded to approximately 300 complaints, and conducted numerous other investigation activities in SBM. South Coast AQMD issued 34 Notices of Violation. Considering that a portion of these compliance actions are focused on the same facilities, the compliance rate may not be an effective indicator of overall compliance within the area.

Due to the air pollution concerns in this community, an enforcement approach by both agencies that fully utilizes their specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further reductions in non-compliance and emissions. Both South Coast AQMD and CARB will continue to work closely with the CSC to identify and investigate air quality issues within the community.

## Enforcement Approach - Program Structures

Both CARB and South Coast AQMD have designed their programs to most effectively address sources under their respective jurisdictions.

### South Coast AQMD's Office of Compliance and Enforcement (OCE)

The structure of this group is based on teams that focus on source type, and inspectors are also assigned by geographic region. The organizational structure based on source type enables inspectors to become technical specialists on the air pollution regulations that apply to the types of industries or facilities assigned to that team. In addition, assigning inspectors by geographic area improves the agency's ability to respond in a timely manner to complaints or compliance issues in that area.

For example, an office building may have a diesel backup generator that would be inspected by the Industrial team. This team has the broad knowledge to inspect a wide variety of source types and equipment. A wastewater treatment plant may also have a diesel backup generator, but these are inspected by the Toxics & Waste Management team which has the training and personal protective equipment (PPE) to conduct inspections at facilities with Toxic Air Contaminants. However, certain facilities may be inspected by multiple teams to ensure that the approach is focused enough to address a variety of sources, yet flexible enough to handle complex facilities.

For most teams, the inspectors conduct regular inspections at their assigned facilities or within their assigned geographic regions. The frequency of regular inspections depends on the type of facility. For example, a chrome plating facility is inspected more frequently than an auto body shop. It is important to consider that there are approximately 110 chrome plating facilities in the South Coast Air Basin, compared to over 1,500 auto body facilities in the region. When considering limited resources, inspection priority is typically given to higher risk pollution sources – that is, those facilities that emit the more toxic air pollutants and/or are close to schools, hospitals, and residential areas.

The following teams operate in the SBM community:

Figure 4-5: South Coast AQMD Enforcement Program teams



The **Industrial team** focuses on the widest variety of sources, ranging from dry cleaners to large manufacturing facilities to idling truck sweeps. Inspectors in this team are assigned a geographic region and normally spend much of their time in the field. From this team, 2 inspectors regularly conduct compliance activities in SBM.



The **Major Sources team** focuses on sources that are in the REgional Clean Air Incentives Market (RECLAIM)\* program. Examples of these sources include power plants, oil production sites, and large manufacturing facilities. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities, some of which are in SBM.



The **Service Station team** Focuses on gasoline service stations that serve the public, which can emit volatile organic compounds (VOCs). Inspectors in this team are assigned a geographic region. From this team, 2 inspectors regularly conduct compliance activities in SBM.



The **Toxics team** focuses on facilities that emit Toxic Air Contaminants, including hexavalent chromium, lead, and other toxic metals. Examples of these facilities include landfills, waste treatment facilities, water treatment facilities, lead acid battery manufacturers, and chromium plating and anodizing shops. Inspectors in this team are assigned a geographic region, and 1 inspector regularly conducts compliance activities in SBM.

The following teams are a part of OCE, but do not regularly conduct compliance activities in SBM:



The **Energy team** focuses on crude oil production, energy storage sites, and bulk petroleum terminals. Inspectors in this team usually work in pairs for safety, as well as the need to operate portable equipment. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities.



The **Refinery team** focuses on all the refineries, auxiliary hydrogen plants, and marine terminals in the South Coast Air Basin. Inspectors in this team are assigned by facility, with each inspector dedicated to a refinery and auxiliary plants. This team is based full-time in the Long Beach Field Office to ensure close proximity to the refinery sources that it regulates.

\*RECLAIM, for REgional Clean Air Incentives Market, is a program that requires participating facilities to manage their total nitrogen oxides (NOx) and/or sulfur oxides (SOx) emissions (which reduce over time) by adding pollution controls, changing their equipment or processes, or buying credits from other RECLAIM facilities that have lower emissions than their cap. The allowable amount of such emissions is reduced over time. The program is currently being transitioned to a command-and-control regulatory program.

### CARB Enforcement's Program Structure

Through targeted enforcement or public complaints, CARB identifies a potential violation. CARB then contacts the responsible party to explain the enforcement process and to obtain additional information. Enforcement staff evaluates the information collected and works with CARB's Legal Office to determine violations of statutory and/or regulatory requirements. When violations are substantiated, CARB can take enforcement action, at which point the responsible party is provided an opportunity to respond to the violation.

~~This outcome includes taking~~ CARB takes appropriate enforcement action ~~within the scope of CARB's enforcement authority~~, which may include issuing cease and desist orders, Notices of Violation, mitigation, or pollution prevention actions. Cases can be resolved via civil and criminal litigation. In lieu of litigation, cases typically are settled through CARB's mutual settlement program. Penalties are sought that ~~provide adequate deterrence to deter~~ future non-compliance or public nuisance.

For example, in 2017, settlement agreements were made with Union Pacific Railroad Company (UP) and BNSF Railway regarding drayage truck regulations. Under CARB's Drayage Truck Regulation, California ports and Class I rail terminals must report non-compliant heavy-duty diesel trucks entering their facilities. For years, BNSF and UP failed to accurately report to CARB information on non-compliant trucks entering their facilities, which hampered CARB's ability to enforce the regulatory requirements. The settlements resulted in UP turning away non-compliant trucks from their facilities and BNSF accurately reporting truck data to CARB for enforcement, resulting in reduced diesel emissions from heavy-duty diesel trucks around both UP and BNSF facilities.<sup>8</sup>

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP)<sup>v</sup>. Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPs<sup>s</sup> are possible in the SBM community through the proposal process.<sup>9</sup> CARB has over 50 enforcement programs that focus on specific source types.

A few of the programs that are relevant to enforcement activity in SBM community are:

---

<sup>v</sup> Other examples of enforcement settlement cases can be found in CARB's Annual Enforcement Reports (<https://www.arb.ca.gov/enf/reports/reports.htm>).

Figure 4-6: CARB Enforcement Programs teams relevant to the SBM community



CARB conducts **idling** sweeps to ensure regulatory truck and bus idling limits are not exceeded.



**Drayage** vehicles are certified heavy-duty vehicles (HDV) that move goods. HDV that enter the port or intermodal facility are required to be certified to meet clean emission standards.



Regulations aimed at cleaning up '**off-road**' **construction equipment** such as bulldozers, graders, and backhoes. These requirements are in place to help ensure that diesel soot filters are installed on off-road equipment.



**SmartWay**: The Tractor-Trailer Greenhouse Gas Regulation requires 53-foot or longer dry van or refrigerated van trailers and the tractors that pull them on California highways to use certain equipment that meets US EPA efficiency standards.



**Transport Refrigeration Units (TRUs)**: Inspect secondary engines to ensure TRUs meet labeling and clean air requirements.



**Cargo handling equipment** investigations are led by CARB to identify opportunities to reduce emissions from idling at ports and intermodal rail yards.



For the **Heavy-Duty Vehicle Inspection Program**, CARB regularly conduct inspections for:

- Diesel Emission Fluid (DEF): a liquid used as a reductant in heavy duty diesel engines to reduce NOx emissions.
- Emission Control Label (ECL): Engine certification labeling requirements.
- Smoke/Tampering: Requires heavy duty trucks/buses to be inspected.



**Statewide Truck and Bus program** requires all vehicles with 2009 or older engines weighing over 14,000 pounds to reduce exhaust emissions by upgrading to 2010 or newer engines by 2023. Non-compliant vehicles will be denied DMV registrations.

## How the Public Helps Reduce Air Pollution

Members of the public play an important role in communicating air quality concerns to both South Coast AQMD and CARB. The complaint process helps both agencies identify issues that are directly affecting the SBM community. The most effective way to contact the agencies is through the complaint hotlines. In addition to South Coast AQMD's mobile application, both agencies can be contacted by phone and online:

<p><b>CARB - Mobile Sources</b></p> <p><b>Automobiles, Trucks, Off-road Equipment, or other Vehicles</b></p> <p>Phone: 1-800-END-SMOG</p> <p>Online: <a href="http://calepa.ca.gov/enforcement/complaints">calepa.ca.gov/enforcement/complaints</a></p>	<p><b>South Coast AQMD - Stationary Sources</b></p> <p><b>Odors, Smoke, Dust, or other Air Contaminants</b></p> <p>Phone: 1-800-CUT-SMOG</p> <p>Online: <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></p>
---	---

Both CARB and South Coast AQMD value input from those who live and work every day in the community, and communicating air quality issues directly to the agencies with the information below is the best way to address an air pollution concern. Letting the agencies know of an issue when it is occurring rather than after the fact helps South Coast AQMD's and CARB's ability to find the source of the problem.

An effective complaint should contain information with specific details. This information helps inspectors conduct a thorough investigation and take appropriate enforcement action. The following information is valuable to a thorough complaint investigation:

- Type of air quality concern (odor, smoke, dust, etc.)
  - o Odors: description of odor
  - o Smoke: color of smoke; does the smoke disappear or hang in the air?
  - o Dust: type of dust (e.g. construction activities)
- Location of air pollution concern
- Name or address of potential source
- Time of day that the air quality issue began, and is the concern still occurring?
- Has the concern occurred before, and do other people in your community experience it as well?
- Contact information for the person reporting the complaint<sup>vi</sup>

<sup>vi</sup> Although anonymous complaints are accepted, staff have found that having contact information helps with getting additional information to help with the investigation.

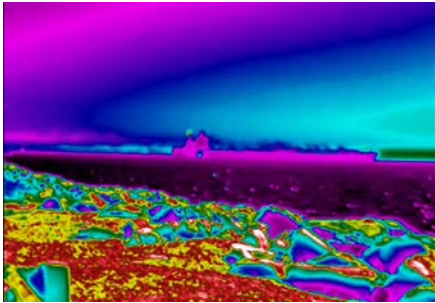


## Technology

Both South Coast AQMD and CARB enforcement staff have embraced the use of technology as a means for more efficient and effective inspections. South Coast AQMD inspectors have access to advanced instruments to help identify air pollution issues in real-time. The following portable instruments are available to inspectors:

Figure 4-7: Portable instruments used by South Coast AQMD inspectors in the field

*Toxic Vapor Analyzers (TVA):* Inspectors can use TVAs to provide information about the level of certain gases in a specific area. This includes methane and volatile organic compounds (VOCs), which are emitted by petroleum sources and other types of sources.



*Infrared Cameras:* Inspectors can use specialized infrared cameras to view emissions of gases (including methane and VOCs) that would otherwise be invisible to the naked eye. This equipment enables inspectors to scan areas for emissions and quickly check for any large leaks at a facility.

*X-Ray Fluorescence (XRF):* Inspectors can use this handheld instrument to identify the types of chemicals that are on a surface or in a dust pile. This tool helps identify potential pollutants that are particles. For example, an XRF can be used to scan surfaces at a facility to identify which specific toxic metals may be deposited in that location, and which locations have the highest levels of those toxic metals.



*H<sub>2</sub>S Analyzers (Jerome Meters):* Inspectors can use this handheld instrument to measure hydrogen sulfide gas levels in the air. This information can be used to identify a potential source of rotten egg type odors.

In addition, inspectors are trained on how to collect field samples, including air samples, liquid samples, or bulk material samples. These samples can then be provided to the South Coast AQMD laboratory or contract laboratories for analysis. The results of these analyses can be used as evidence to support investigations and/or Notices of Violation issued to air pollution sources.

South Coast AQMD regulates over 25,000 facilities, receives approximately 10,000 public complaints per year, and operates a vast air quality monitoring network; and CARB regulates a significant number of mobile sources throughout the state. Analyzing the data that results from these efforts can provide insight into the trends and sources of air pollution as well as new enforcement opportunities. Both agencies use information technology to enhance the ability to conduct investigations and enforce regulations. As an example, for CARB's truck fleet enforcement program, the traditional approach was to inspect several thousand trucks annually through fleet-based inspections. Starting in January 2018, CARB began the Streamlined Truck Enforcement Process (STEP), and is now able to conduct 20,000 to 25,000 inspections per year through the use of a data-driven approach, non-compliance letters, and a scheduled settlement process. South Coast AQMD's investigation of crude oil tankers is another example of using information technology in enforcement activities. Inspectors used mapping software, weather data, and ship databases to help identify an oil tanker as a potential source of emissions. The oil tanker was later issued a Notice of Violation when it berthed at a port. These multi-faceted approaches can be applied to address other air pollution concerns in SBM. Providing transparent access to the information that both agencies possess will lead to a stronger partnership with the community.

### The Interagency Approach

CARB and South Coast AQMD are committed to working with other agencies on joint initiatives that will directly result in cleaner air. The combined resources, expertise, and legal authorities of different agencies can create a well-rounded approach to the regulatory process that leverages their respective strengths to address issues that cumulatively impact public health. For example, San Bernardino County Fire Department partnered with South Coast AQMD to conduct targeted inspections of spray booths with the Industrial team and inspections of gas stations with the Service Station team.

Figure 4-8: Examples of agencies that collaborate with South Coast AQMD and CARB



CARB partners with local agencies to create memoranda of understanding (MOUs), such as an agreement with South Coast AQMD to enforce CARB's greenhouse gas standards at certain facility types. In addition, CARB has already established partnerships with California DMV working on implementing registration



holds for non-compliant trucks and buses, California Highway Patrol (CHP) to conduct roadside inspections, and other state and regional agencies to ensure ~~the agencies~~<sup>we</sup> are supporting each other's enforcement efforts. Both South Coast AQMD and CARB have demonstrated experience working in close collaboration with other regulatory agencies, cities and counties, public health agencies, and local police and fire departments to conduct investigations and provide public information about local air pollution sources.

## Enforcement Considerations

An effective enforcement program must be flexible and adaptable to address the needs of the communities. Part of being adaptable is the ability to identify and address gaps in the enforcement process, such as previously unknown facilities or new pollutants of concern. As revealed over the course of the public process for CERP development, one such gap has been a lack of communication with members of the community, who have firsthand experience with local emissions sources and whose input can be quite valuable to enforcement efforts. South Coast AQMD has therefore prioritized outreach and added new positions to interact directly with the AB 617 communities, including dedicated compliance staff assigned in those communities. Because South Coast AQMD organizes its enforcement division both by source type for technical specialization and by geographic region, there is not a single dedicated team for AB 617; rather, the effort is spread across multiple existing teams so that a larger number of complaints and potential violations of air quality rules can be identified and addressed.

In addition, both CARB and South Coast AQMD currently maintain extensive records of compliance-related activities through the use of databases and other digital resources. OCE uses these resources to track metrics such as complaints, inspections, and enforcement actions. The data provided in this chapter and Appendix 4 are derived from those databases. The particular statistics being tracked are also routinely reevaluated. For example, OCE recently added an Agency Technical Assistance metric for instances where South Coast AQMD was asked by another agency to assist in that agency's efforts, often by way of collecting samples or providing ambient air monitoring. CARB and South Coast AQMD will both continue to evaluate new metrics that may help to track and analyze inspectors' efforts in the AB 617 communities in order to attempt to identify more effective allocations of resources and/or potential solutions to air quality issues.

Finally, enforcement mechanisms exist that are designed to promote, and, if necessary, compel, compliance by regulated sources. As discussed above, after South Coast AQMD inspectors investigate complaints and/or conduct facility inspections, they can issue notices to comply or notices of violations. While notices to comply will generally require further action by a source, notices of violation are referred to the Office of the General Counsel, where penalties are negotiated. If no settlement is reached, a civil lawsuit can ultimately be filed in superior court. Ongoing non-compliance, however, may lead to a petition for an order of abatement before the Hearing Board, which would have the authority to require

a facility to take certain actions to achieve compliance. CARB and South Coast AQMD have each had a presence in this community that has led to various enforcement actions against local facilities.<sup>vii</sup>

In sum, the compliance process seeks to ensure that all rules and regulations are followed through a fair and robust enforcement program, resulting in reduced air pollution emissions. Adaptability is crucial, whether in the programs overall, or in day-to-day operations, to ensure that community concerns are addressed quickly and that enforcement action is taken when violations are identified. Both CARB and South Coast AQMD enforcement teams will continue to search for innovative strategies, lead in community transparency, and take swift action to address non-compliance.

---

<sup>vii</sup> Additional detail on South Coast AQMD and CARB enforcement actions can be found in Appendix 4.

---

# CHAPTER 5A:

## ACTIONS TO REDUCE AIR POLLUTION EMISSIONS OR EXPOSURES - OVERVIEW

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5a: Actions to Reduce Community Air Pollution

### Introduction

The CERP provides an overall path to reducing air pollution in the San Bernardino, Muscoy community. Through the development of the CERP the CSC identified air quality priorities based on sources of air pollution (e.g., neighborhood truck traffic, warehouses, railyards) that are of concern to the community. To reduce air pollution from these sources, the CSC developed a set of actions to be implemented by government agencies, organizations, businesses, and other entities.

### Community Air Quality Priorities

The community of San Bernardino and Muscoy identified neighborhood truck traffic, warehouses, the ~~OmniTrans~~ bus yard, railyards, and concrete batch plants and asphalt/aggregate plants as air quality priorities. These sources of air pollution are often located close to homes, schools, and other community areas where the public can be exposed to harmful pollutants. As a result, reducing exposure to air pollution ~~exposure reduction~~ at schools, childcare centers, and homes is also a priority for the community.

### Ongoing efforts

The South Coast AQMD, CARB, and U.S. EPA have air quality regulations to reduce air pollution that apply to facilities in various source categories. The relevant agencies enforce these regulations. Additionally, the South Coast AQMD and CARB have begun the process of developing new requirements that would further reduce air pollution from sources prioritized by the community.

### Chapter 5a Highlights

- Many new actions will be taken to address the community's air quality priorities
- South Coast AQMD will use a variety of ~~many different~~ strategies, such as regulations, incentives, outreach, enforcement, monitoring, and collaboration ~~more~~
- Many actions also rely on effective collaborations with other agencies, organizations, businesses, and entities ~~others~~
- The estimated emission reduction targets resulting from incentives supported by actions in this CERP are:
  - NOx: 127.9 tons per year ~~40 to 50 tons per year~~
  - DPM: 0.91 tons per year ~~0.5 to 0.6 tons per year~~
- Additional emission reductions that may not be quantifiable at this time are achieved through actions ~~that include strategies~~, such as, rule development, air monitoring, and enhanced enforcement

### Opportunities for Action

In addition to the ongoing efforts described above, the CSC developed new actions to reduce air pollution in the community. Each action is to be carried out based on a set of strategies, goals, and timelines. The entity (e.g., government agency or organization) responsible for the actions is also identified. The actions set forth in this chapter define a path to further reduce air pollution from sources in the San Bernardino, Muscoy community and provide additional protections for children at their schools. In some instances these actions reaffirm ongoing rule development efforts and provide new commitments for localized reductions, sharing of emissions data, timelines, and other related information.

### Emissions Reductions Targets

The actions in the CERP prioritize emissions reductions in the San Bernardino, Muscoy community. The CERP includes emission reduction targets for NO<sub>x</sub> and diesel particulate matter (DPM) emissions<sup>i</sup> in the San Bernardino, Muscoy community that are based on these actions. Table 5a-1 below, provides a list of the overall emission reduction targets for the CERP and the type of actions that contribute to the targets. Baseline emissions refer to expected future emissions without any new action or regulation beyond those already adopted.

Table 5a-1: CERP Emission Reduction Targets by 2024 and 2029 (or Earlier of Feasible)

<u>Emissions<sup>a1</sup></u>	<u>NO<sub>x</sub></u>	<u>DPM</u>
<u>2017 Emissions (tpy)</u>	<u>1140</u>	<u>19.97</u>
<u>Projected 2024 Emissions Baseline (tpy)</u>	<u>726</u>	<u>8.37</u>
<u>Emission Reductions from CERP, by 2024 (tpy)</u>	<u>75.1</u>	<u>0.86</u>
<u>Emission Reductions from CERP, by 2024<sup>b</sup> (%)</u>	<u>10</u>	<u>10</u>
<u>Projected 2029 Emissions Baseline<sup>1</sup> (tpy)</u>	<u>602</u>	<u>5.95</u>
<u>Emission Reductions from CERP, by 2029 (tpy)</u>	<u>127.9</u>	<u>0.91</u>

<sup>i</sup> NO<sub>x</sub> is a precursor to secondary PM<sub>2.5</sub> formation. In addition, 90% of the total number of particles in diesel exhaust are in a median size range of about 0.02µm and most of the mass in diesel exhaust is represented by a median particle size of about 0.25µm. Therefore DPM is a subset of PM<sub>2.5</sub>. (<https://www3.epa.gov/ttnchie1/conference/ei13/mobile/hodan.pdf>). Reductions in NO<sub>x</sub> and DPM will subsequently reduce PM<sub>2.5</sub> levels both regionally and in the community.

Emission Reductions from CERP, by 2029 <sup>c</sup> (%)	<u>21</u>	<u>15</u>
---	-----------	-----------

<sup>a</sup>Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029.

<sup>b</sup>Percent calculated based on 2029 emissions baseline

<sup>c</sup>Percent calculated based on 2029 emissions baseline.

### *Mobile Sources – Neighborhood Truck Traffic and Railyards*

Implementation of the CERP is estimated to reduce ~~nitrogen oxides (NOx) emissions by 127.9 tpy~~ 40 to 50 tons per year of NOx and 0.91 tpy of particulate matter (DPM) emissions from mobile sources by 0.5 to 0.6 tons per year. These emission estimates are based on future statewide mobile source measures from CARB and potential mobile source incentive projects to benefit this community as outlined by the actions in this chapter. Future statewide mobile source measures that contribute to the estimated emission reductions in this community include the CARB Advanced Clean Truck Rule, Heavy Duty Low NOx Rule, and Heavy Duty Inspection and Maintenance. These measures support actions in the CERP that address neighborhood truck traffic and railyards. Table 5a-2 below, provides a list of the statewide measures with expected decision dates, implementation periods, and estimated emission reductions.

**Table 5a-2: Estimated Emission Reductions from Statewide (CARB) Mobile Source Regulations by 2024 and 2029**

<b>Statewide Measure</b>	<b>Board Action Date<sup>a</sup></b>	<b>Implementing Entity</b>	<b>Emission Reductions Targets 2024/2029 (tpy)</b>			
			<b>NOx</b>	<b>VOC</b>	<b>DPM</b>	<b>PM2.5<sup>e</sup></b>
<u>Heavy-Duty Vehicle Inspection and Maintenance Regulation<sup>b</sup></u>	<u>2020</u>	<u>CARB</u>	<u>25/31</u>	<u>N/A</u>	<u>0.31/0.35</u>	<u>0.31/0.35</u>
<u>Advanced Clean Trucks Regulation<sup>c</sup></u>	<u>2019</u>	<u>CARB</u>	<u>0.1/1.9</u>	<u>N/A</u>	<u>&lt;0.1/&lt;0.1</u>	<u>&lt;0.1/&lt;0.1</u>
<u>Heavy-Duty Low NOx Rule<sup>d,1</sup></u>	<u>2020</u>	<u>CARB</u>	<u>5/50</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

<sup>a</sup> Timeline based on first CARB Board hearing dates for each measure or beginning of implementation for mobile source incentives

<sup>b</sup> These Current regulations require heavy-duty vehicles operating in California to be inspected for excessive smoke and make repairs where applicable. CARB's current inspection programs include the roadside Heavy-Duty Vehicle Inspection Program and the fleet Periodic Smoke Inspection Program.

<sup>c</sup> CARB is working through a public process to develop and consider proposals for new approaches and strategies that may transition to zero emission technology those truck fleets that operate in urban centers, have stop and go driving cycles, and are centrally maintained and fueled.

<sup>d</sup> This rule would set new statewide engine standards for NOx reduction from trucks by 2026, and additional reductions including in and after 2027. More information is available at: <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>.

<sup>e</sup> Figure 3 in Chapter 3b shows that three quarters of PM2.5 emissions are from miscellaneous area sources that include commercial cooking, residential fuel combustion, construction, and paved road dust. These sources were not identified as air quality priorities by the CSC and thus are not part of this plan. Nonetheless, PM2.5 will be reduced by the Statewide Mobile Source Regulations.

As mentioned above, the estimated overall emissions reduction targets for this community also consider potential future mobile source incentive projects described by the actions in this chapter. For example, Subchapter 5b – Neighborhood Truck Traffic includes an action to reduce emissions from heavy-duty trucks. This action will be implemented by measures that require outreach to the owners and operators of heavy-duty trucks in the community. The CERP contains six different measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct ten public outreach events in the community to recruit potential applicants for incentives. The estimated emission reductions for



mobile source incentive projects in this community are estimated to be between 40 and 50 tpy of NO<sub>x</sub> and 0.5 to 0.6 tpy of DPM emissions.

~~These emissions estimates are based on data from past incentive projects<sup>ii</sup> (e.g., replacing heavy-duty trucks with cleaner trucks, replacing cargo handling equipment at railyards). Additionally, the estimated emissions reductions consider potential future incentive projects that are targeted by the actions in this chapter. For example, Subchapter 5b—Neighborhood Truck Traffic, includes an action to reduce emissions from heavy-duty trucks. The CERP contains measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct public outreach events in the community to recruit potential applicants for incentives.~~

~~Some actions in this chapter are likely to result in additional emissions reductions that are not quantifiable at this time. For example, Subchapter 5c—Railyards, includes an action that would reduce emissions from the BNSF railyard. The target for this action is to pursue strategies to reduce air pollution from railyards through the development of indirect source requirements. However, reductions from this action would be quantified during the rule development process for Facility Based Mobile Source Measures to provide staffan opportunity to evaluate technologies that would reduce emissions at railyards.~~

~~Based on the air quality priorities identified by the CSC, the actions in this chapter also emphasize emissions reductions from fugitive emissions sources. For Another example, the CERP includes is anthe action to address fugitive emissions and particulate matter PM from concrete batch, asphalt batch, and aggregate plantsThis action requires enhanced air monitoring along with follow up strategies (e.g., enforcement activities) target emissions reductionsfrom these sources. Based on the information available, emissions reductions from these actions cannot be estimated at this time. However, the CSC has recommended that these sources of fugitive emissions should be addressed by the CERP to improve air quality in the San Bernardino, Muscoy community.~~

~~South Coast AQMD is working with CARB to address emissions from mobile sources. CARB has committed to considering amendments to their rules and regulations within the CERP to address the air quality priorities in this community. The emissions reduction targets expected from the implementation of these rules and regulations is [CARB to insert emission reductions].~~

---

<sup>ii</sup> Data was based on 2018 incentive projects.

## References

<sup>1</sup> California Air Resources Board, Heavy-Duty Low NOx,  
<https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>, Accessed June 13, 2019.

---

# CHAPTER 5B:

## NEIGHBORHOOD TRUCK TRAFFIC

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5b: Neighborhood Truck Traffic

### Background

The Inland Empire, including San Bernardino County, plays an important role in the goods movement industry, serving as a gateway between the Southern California ports and the rest of the continental United States.<sup>1</sup> The community of San Bernardino and Muscoy is home to an intermodal railyard, which includes the operation of locomotives, off-road equipment and heavy-duty trucks, that contribute to the air pollution in the community. Warehouses near the Interstate 10 freeway just south of this community also attract truck traffic, which passes through the San Bernardino, Muscoy community. Trucks are used to deliver goods to and from railyards, warehouses, and retail stores.

It is important to note that many of the industries in this community rely heavily on regional and local truck transportation,<sup>2</sup> ~~not only~~ to receive and distribute goods. The goods movement industry also, serve but also as a source of income for those who are hired to transport, store, and distribute these goods. The large volume of trucks adversely impacts the members of this community by creating diesel air pollution, congestion, accelerated deterioration of the local infrastructure (e.g., roads), and noise pollution.<sup>2</sup> Trucks often travel near and through local neighborhoods to reach their destinations, thus exposing residents to harmful air pollutants.

### Community Air Quality Priorities – Idling Trucks, Enhanced Enforcement of Existing Regulations and City Ordinances, Air Pollution from High Volume of Trucks, and Cleaner Technology Options

Diesel air pollution from trucks is an air quality priority for the San Bernardino, Muscoy community. Heavy-duty diesel trucks and vehicles that operate in the community include, heavy-duty trucks, trash trucks, transport refrigeration units, and other commercial vehicles. CSC members asked for regulations and incentives that result in the adoption of zero-emission trucks on the road as soon as possible. CSC members noted that there were many trucks driving through and idling in this community, and also noted that some trucks park for long periods of time on neighborhood streets.<sup>3</sup> CSC members recognize the limited resources of the City of San Bernardino, which impacts the City's ability to enforce local ordinances and designated truck routes. The County's policy plan is currently available for public review, which includes designating truck routes as a focus for one of its measures.<sup>4</sup> The CSC has requested that the AB 617 program increase enforcement of truck<sup>5</sup> and anti-idling<sup>6</sup> regulations, and utilize existing traffic information and available technology (e.g., ~~Automated~~ Automatic License Plate Readers (ALPRs<sup>7</sup>)) to help identify potential truck routes and incentives for replacing older, higher-emitting trucks with cleaner technologies.

To address this source, the CSC identified ways to reduce emissions from trucks, such as:

- Regulations and incentives for zero-emission trucks on the road, when commercially available

- Increased enforcement of idling rules to reduce diesel emissions (including during non-business hours)
- Gather existing traffic information from local authorities (e.g., Caltrans) and from available databases, and implement new technology such as ALPR to collect data on truck traffic and assess the potential impact of truck emissions near schools. Provide data to local land use agencies to help prioritize truck routes that need to be reclassified in the general plan<sup>1,2</sup> or the community plan<sup>3</sup>. Use data to target truck owners of older, higher-polluting trucks for incentive programs to replace trucks with cleaner technology, including zero-emissions technology when feasible and commercially available
- Additional and new incentive and financing opportunities, especially for small businesses and independent truck drivers, for truck replacements with prioritization of zero-emission technologies once they become feasible and commercially available, and near zero-emission technologies until that time
- Working with the City and County of San Bernardino on efforts to design or redesign truck routes in the community
- Improving the complaint response system to report truck idling or a violation of City or County ordinance regarding air quality
- Enhancing outreach to commercial fleets, warehouses, and other facilities that operate heavy-duty diesel trucks in the community and provide them with information on the availability of zero-emission vehicles and incentive funding opportunities that are available

### Ongoing Efforts

#### *U.S. EPA and Statewide Efforts*

CARB's Airborne Toxic Control Measure (ATCM) places limits on idling of diesel-fueled trucks.<sup>6</sup> This regulation is enforced by CARB and South Coast AQMD, and will be a focal point of the enforcement activities in AB 617 communities. CARB continues to address truck diesel emissions reductions through existing and upcoming regulations, such as the Drayage Truck Regulation<sup>8</sup> and the Truck and Bus Regulation,<sup>9,10</sup> which include emission standards ~~requirements~~. CARB is also responsible for enforcing the Commercial Vehicle Idling Regulation, where commercial vehicles (gross vehicle weight rating greater than 10,000 pounds) are prohibited from idling for more than five minutes.<sup>11</sup> In addition, to help cities address idling, CARB has developed an "Options for Cities to Mitigate Heavy-Duty Vehicle Idling" guidance document.<sup>12</sup> CARB has many new potential requirements that are ~~also~~ being considered that would further reduce emissions from trucks. Table 5-1 below illustrates the key upcoming activities from U.S. EPA and CARB.

Table 5b-1: Upcoming Rule Development/Activities from U.S. EPA and CARB

Agency	Proposed Action	Expected Decision	Expected Phase-in Period
U.S. EPA	<u>Cleaner Truck Initiative</u> <sup>13</sup> – In response to a petition from the South Coast AQMD, U.S. EPA has committed to updating its truck engine standard to reduce NOx emissions.	2020-2021	2024-?
CARB	<u>Drayage Truck Rule</u> <sup>8</sup> – Updated regulation to transition to zero-emission trucks.	2022	2026-?
CARB	<u>Advanced Clean Truck Rule</u> <sup>14</sup> – Mandate for truck manufacturers to sell zero-emission trucks and would require fleet reporting. By 2030, there will be a zero-emission truck/chassis sales requirement.	2019	2024-2030
CARB	<u>Zero-Emission Fleet Rule</u> <sup>15</sup> – Would require fleets to transition to zero-emissions.	2022	2024-?
CARB	<u>Heavy-Duty Low NOx Rule</u> <sup>16</sup> – Would set new statewide engine standards for trucks. 60-75% NOx reduction between 2024-2026. Additional reductions in 2027 and beyond.	2020	2024-?

### *South Coast AQMD Efforts*

The South Coast AQMD funds projects to help develop zero-emission technologies for heavy-duty Class 7-8 trucks<sup>i</sup> (e.g., battery electric, fuel cell). These projects are in the design and demonstration phase and the technologies are not yet commercially available. Additionally, the South Coast AQMD staff administers incentive programs for truck owners and operators to replace older more polluting trucks with ones that are cleaner than required.<sup>17</sup> For example, South Coast AQMD's Voucher Incentive Program (VIP) is designed for smaller businesses with fleets of 10 or fewer vehicles that primarily operate within California.<sup>18</sup> VIP helps truck owners with older, more-higher polluting trucks to purchase newer, lower-emission trucks reach current emissions standards. Also, the Carl Moyer Program<sup>19</sup> is another resource for truck owners to obtain trucks that are cleaner than required.

Another strategy could be the use of automated license plate readers (ALPRs), which is currently being explored by South Coast AQMD staff. These are high-speed, computer-controlled camera systems that can capture license plate numbers that come into their view. ALPR data, when cross-

<sup>i</sup> The Federal Highway Administration categorizes Class 7-8 trucks under the "Heavy Duty (>26,001 pounds (lbs))" gross vehicle weight rating

referenced with DMV data, can provide more information about vehicles (e.g., the chassis model-year and weight class for trucks) which can help build a picture of the fleet makeup that pass a specific location over time. Assumptions for relating chassis model year and engines installed on a chassis can be used to estimate emissions from heavy-duty diesel trucks. South Coast AQMD staff is exploring the possibility of using this information to notify heavy-duty diesel truck owners that may qualify for incentive programs to replace their truck with newer cleaner models. The use of an ALPR system would require the development of a policy to ensure any data collected using an ALPR system protects the privacy of the registered truck owners.<sup>20</sup>

South Coast AQMD is actively looking into the feasibility of utilizing the ALPR system to address this community's concerns but must first ~~understand~~ identify any possible issues or limitations.

### Opportunities for Action

The CSC's strategy to reduce the community's exposure to air pollution from trucks is described in the actions below.

<b>Action 1: Reduce Emissions from Illegal Heavy-Duty Truck Idling in the Community</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>Conduct focused enforcement for idling trucks in high traffic areas with the highest priority for areas near schools and residential. Other areas prioritized by the CSC include locations near distribution centers and high traffic corridors (e.g., on Juana Street and Cabrera Street, on both streets between Fourth Street and Fifth Street, Kingman Street between Tia Juana Street and Mt. Vernon Avenue, etc.)</li> <li>Collaborate with the CSC to inform community members on how to report idling trucks</li> <li><del>Provide</del> <u>Engage in</u> community outreach on existing complaints/response systems <del>on reporting to report</del> idling trucks. If existing complaint/response system is determined to be ineffective, <u>assess and make feasible improvements.</u> <del>where improvements are feasible for the existing complaint/response system and improve, as needed.</del></li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Enforcement</li> <li>Collaboration</li> <li>Public Information and Outreach</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>Conduct, at minimum, quarterly idling sweeps and focused inspections for one calendar year, to be evaluated thereafter with community input</li> <li><del>Organize</del> <u>Engage in</u> two outreach events within <u>the during the span of the</u> implementation <del>period</del> of this CERP to inform community members how to report idling trucks</li> </ul>	



Estimated Timeline:	
<ul style="list-style-type: none"> <li>Beginning Fall of 2019, provide quarterly updates to the CSC</li> <li>Beginning Fall 2019, begin planning outreach events to inform the community members how to report idling trucks</li> <li>Beginning Fall of 2019, work with CARB's enforcement team (and CHP) to coordinate, at a minimum, quarterly idling sweeps and focused inspections for a period of one year <ul style="list-style-type: none"> <li>Beginning January 2020, based on findings from idling sweeps and CSC input, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments. Based on results of the sweeps, and continued input from CSC members, adjust idling inspections accordingly</li> </ul> </li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Conduct idling sweeps (which may require coordination with local law enforcement)</li> <li><del>Organize outreach events in collaboration with local entities</del> Collaborate with the CSC to inform community members on how to report idling trucks and conduct community outreach on existing complaints/response systems on reporting idling trucks</li> </ul>
California Air Resources Board (CARB)	<ul style="list-style-type: none"> <li>Conduct and coordinate idling truck inspections with the California Highway Patrol</li> <li>Based on findings from idling sweeps, CSC input, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments</li> </ul>
CSC Members	Work with the South Coast AQMD, and other local entities to disseminate information on how to report idling trucks in the community (e.g., outreach events, flyers)
Additional information:	
<ul style="list-style-type: none"> <li>Requirements for idling trucks: <a href="https://www.arb.ca.gov/enf/diesel.htm">https://www.arb.ca.gov/enf/diesel.htm</a></li> <li>Vehicle pollution complaint lines for CARB and South Coast AQMD: <ul style="list-style-type: none"> <li>CARB: <a href="https://ww2.arb.ca.gov/our-work/programs/environmental-complaints">https://ww2.arb.ca.gov/our-work/programs/environmental-complaints</a>, and (800) END-SMOG or (800) 363-7664</li> <li>South Coast AQMD: (800) CUT-SMOG or (800) 288-7664</li> </ul> </li> </ul>	

**Action 2: Reduce Emissions from Heavy-Duty Trucks Transiting the Community****Course of Action:**

- Work with the City or the County to identify opportunities to develop enforceable truck routes and establish designated truck parking areas
- Collaborate with local businesses, agencies, and organizations to conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs
- Identify South Coast AQMD and other additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks
- Continue to support the accelerated adoption and prioritization of zero-emission technology based on feasibility, availability, and cost-effectiveness
- Target incentive funds for local small businesses and independent owner/operator (e.g., Voucher Incentive Program)
- Continue to develop Facility Based Mobile Source Measures - Indirect Source Rules (see Warehouses and Railyards)
- Provide training on complaint reporting for trucks transiting the community
- Participate in CARB's rule development as an advocate for the community for future amendments to their truck regulations
- Conduct focused enforcement of CARB's Drayage Truck Rule and Truck and Bus Rule

**Strategies:**

- Incentives
- Public Information and Outreach
- Collaboration
- Rules and Regulations
- Enforcement

**Goals:**

- Organize one incentive outreach event (e.g., incentive fair, workshop) per year during the implementation period of this CERP, to be evaluated thereafter with community input
- Provide semiannual ~~biannual~~ updates on incentive outreach events and ~~and~~ CARB's and South Coast AQMD's rule development for truck regulations, and seek community input on progress
- Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a

~~Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target~~

~~Coordinate with CARB staff on using community priorities to focus future enforcement efforts~~

Estimated Timeline:	
<ul style="list-style-type: none"> <li>• <u>Starting 2020</u>, begin working with the City or the County to identify opportunities to develop enforceable truck routes and establish designated truck parking areas</li> <li>• First quarter 2020, begin collaborating with local businesses, agencies, and organizations to conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs</li> <li>• Continue to identify other additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks</li> <li>• <u>Starting 2020</u>, when incentive programs are available, conduct incentive outreach events and provide quarterly or biannual updates to the CSC</li> <li>• Continue to develop Facility Based Mobile Source Measures - Indirect Source Rules (see Warehouses and Railyards)</li> <li>• Continue to provide training on complaint reporting for trucks transiting the community</li> <li>• 2024-2030, CARB's New Regulations phase in</li> <li>• Beginning January 2020, based on findings from idling sweeps, the CSC identified community priorities, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC biannually for future adjustments</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Work with the City or the County to identify opportunities to develop enforceable truck routes and establish designated truck parking areas</u></li> <li>• Provide targeted outreach for truck incentive programs <u>to truck owners and operators</u> in this community</li> <li>• Provide updates to the CSC about applications that are submitted for truck incentives that could reduce emissions in the community</li> <li>• Provide training to community leaders or organizations that provide application assistance for incentive programs</li> <li>• Continue development of Facility Based Mobile Source Measures – Indirect Source Rules</li> <li>• <u>Provide training to the CSC and members of the community</u> for effectively reporting complaints about heavy-duty trucks with excessive exhaust emissions</li> <li>• <u>Identify additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks and continue to support the accelerated adoption and</u></li> </ul>

	<p><u>prioritization of zero-emission technology based on feasibility, availability, and cost-effectiveness</u></p> <ul style="list-style-type: none"> <li>• <u>Reach out to small businesses and independent owners/operators to encourage them to apply for funding</u></li> <li>• <u>Target incentive funds for local small businesses and independent owners/operators</u></li> <li>• <u>Participate in CARB's rule development as an advocate for the community for future amendments to their truck regulations</u></li> </ul>
CARB	<ul style="list-style-type: none"> <li>• Continue rule development for amendments to regulations affecting trucks</li> <li>• Conduct focused enforcement of existing Drayage Truck and Truck and Bus Regulations</li> <li>• Provide training <u>to the CSC and members of the community</u> for effectively reporting complaints about heavy-duty trucks with excessive exhaust emissions</li> </ul>
<u>City and/or County of San Bernardino</u>	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD to– identify opportunities to develop enforceable truck routes and establish designated truck parking areas</u></li> <li>• <u>Work with South Coast AQMD to</u> provide the community with information about local truck routes, air pollution requirements for trucks, and incentives for cleaner trucks</li> <li>• Conduct outreach to local law enforcement about opportunities to enforce truck routes and reduce illegal heavy-duty truck idling</li> </ul>
CSC Members (including businesses, community organizations, and agencies)	<ul style="list-style-type: none"> <li>• Work with South Coast AQMD to conduct outreach to truck owners and operators</li> <li>• Provide application assistance to potential applicants for incentive programs. Seek funding support to provide this service, (e.g., through CARB Community Air Grants).</li> <li>• Participate in CARB and South Coast AQMD rulemaking efforts (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for regulations pertaining to trucks</li> </ul>
Additional information:	

- CARB Drayage Truck Regulation: [www.arb.ca.gov/drayagetruck](http://www.arb.ca.gov/drayagetruck)
- CARB Community Air Grants: <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants>
- CARB Truck and Bus Regulation: <https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>
- Restricted truck routes in the general plans for this community:
  - City of San Bernardino: <http://www.ci.san-bernardino.ca.us/pdf/DevSvcs/General%20Plan%20Document.pdf>
  - San Bernardino County: <http://www.sbcounty.gov/Uploads/lus/GeneralPlan/FINALGP.pdf>
  - Countywide Plan: [http://countywideplan.com/wp-content/uploads/2019/05/CWP\\_PolicyPlan\\_PubReviewDraft\\_20190515.pdf](http://countywideplan.com/wp-content/uploads/2019/05/CWP_PolicyPlan_PubReviewDraft_20190515.pdf)
  - Community of Muscoy: [http://countywideplan.com/wp-content/uploads/2019/05/01\\_Muscoy\\_CAG\\_2019.pdf](http://countywideplan.com/wp-content/uploads/2019/05/01_Muscoy_CAG_2019.pdf)
- Vehicle pollution complaint lines for CARB and South Coast AQMD:
  - CARB: <https://ww2.arb.ca.gov/our-work/programs/environmental-complaints>, and (800) END-SMOG or (800) 363-7664
  - South Coast AQMD: (800) CUT-SMOG or (800) 288-7664

### Action 3: Utilize Existing Traffic Information and New Technology to Identify Older Trucks for Incentive Programs

#### Course of Action:

- Gather existing traffic information from local authorities and other available databases, implement new technology (e.g., Automated License Plate Reader (ALPR)) to collect useful data on truck traffic, and assess the potential impact of truck emissions near schools and residences
  - South Coast AQMD will develop an ALPR privacy policy in compliance with Civil Code Section 1798.90.5, et seq. and hold a public hearing to provide the public an opportunity to comment on the proposed program
- Explore the possibility of using ALPR system along with DMV data to identify trucks that frequently travel through the community that may be older and more polluting than newer trucks, and contact the owner to provide information about incentive funding programs for truck replacement

#### Strategies:

- Monitoring
- Incentives

<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
Goals:	
<ul style="list-style-type: none"> <li>• Explore the possibility of using ALPR systems in this community and prioritize locations for <u>ALPR systems deployment</u> based on community input</li> <li>• Once ALPR systems have been deployed, <u>provide ALPR data to the City and County to work towards truck routes</u><del>with City and County to provide information about the overall results</del></li> <li>• <u>Provide quarterly or biannual updates to the CSC on progress made to collect and use data from these systems</u></li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u></li> <li><del>— Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target</del></li> <li>• <u>Conduct targeted outreach to provide information on incentive programs</u></li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>• <u>Starting 2020</u>, work with CARB and community to prioritize locations for these systems</li> <li>• <u>Starting 2021, — if feasible, begin implementation of ALPR systems at priority community locations, compile data and provide quarterly or biannual updates to the CSC</u></li> <li>• Once data is available, review data obtained and begin targeted outreach to owners <del>with</del> <u>of</u> older dirtier trucks and dirty trucks that frequently travel through this community to provide information on incentive programs</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Work with CSC to explore the feasibility of using ALPR systems and prioritize locations for implementation <u>by gathering existing traffic information from local authorities and other available databases</u>. Once data are received, provide incentives and targeted outreach to truck owners for incentive programs in this community</li> <li>• <u>Assess the potential impact of truck emissions near schools and residences</u></li> <li>• Provide updates to the CSC on implementation of the ALPR system</li> </ul>
CARB	Continue testing of ALPR systems to improve accuracy. Provide technical assistance to South Coast AQMD to implement these systems

City of San Bernardino and County of San Bernardino (Muscoy)	Work with South Coast AQMD to obtain necessary approvals to install <del>cameras</del> for ALPR systems
CSC members	Work with South Coast AQMD and CARB to prioritize locations for the ALPR systems
Additional information:	
<ul style="list-style-type: none"> <li>CARB's ALPR system: <ul style="list-style-type: none"> <li>-Presentation: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf</a></li> <li>-CARB's ALPR Privacy and Usage Policy: <a href="https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf">https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf</a></li> <li>-Facebook Live presentation: <a href="https://www.facebook.com/southcoastaqmd/videos/1248687388632139/">https://www.facebook.com/southcoastaqmd/videos/1248687388632139/</a></li> </ul> </li> </ul>	

## References

1. County of San Bernardino, General Plan, County of San Bernardino Land Use Services Division, 2007, <http://www.sbcounty.gov/Uploads/lus/GeneralPlan/FINALGP.pdf>, Accessed May 1, 2019.
2. City of San Bernardino, General Plan, November 1, 2005, <http://www.ci.san-bernardino.ca.us/pdf/DevSvc/General%20Plan%20Document.pdf>, Accessed May 1, 2019.
3. Muscoy Community Action Guide, Countywide Plan, County of San Bernardino, May 2019, [http://countywideplan.com/wp-content/uploads/2019/05/01\\_Muscoy\\_CAG\\_2019.pdf](http://countywideplan.com/wp-content/uploads/2019/05/01_Muscoy_CAG_2019.pdf), Accessed May 1, 2019.
4. Policy Plan, Countywide Plan, County of San Bernardino, May 2019, [http://countywideplan.com/wp-content/uploads/2019/05/CWP\\_PolicyPlan\\_PubReviewDraft\\_20190515.pdf](http://countywideplan.com/wp-content/uploads/2019/05/CWP_PolicyPlan_PubReviewDraft_20190515.pdf), Accessed May 1, 2019.
5. California Air Resources Board, Truck and Bus Rule: <https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>, Accessed June 7, 2019
6. California Air Resources Board, "CARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling," January 2005, <https://www.arb.ca.gov/msprog/truck-idling/truck-idling.htm>, Accessed April 10, 2019.
7. California Air Resources Board, "Improving On-road Vehicle Data: Automated License Plate Readers (ALPR) Portable Emission Acquisition System (PEAQs)," <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf>, Accessed May 16, 2019.
8. California Air Resources Board, Update on California Actions to Minimize Community Health Impacts from Freight, March 2019,

- [https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf?\\_ga=2.79278740.1419761847.1559951314-1545453421.1552083450](https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf?_ga=2.79278740.1419761847.1559951314-1545453421.1552083450), Accessed June 13, 2019.
9. California Air Resources Board, “Truck and Bus Regulation Compliance Requirement Overview,” <https://www.arb.ca.gov/msprog/onrdiesel/documents/FSRegSum.pdf>, Accessed June 3, 2019.
  10. California Air Resources Board, “Truck and Bus Regulation On-Road Heavy Duty Diesel Vehicles (In-Use) Regulation,” <https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>, Accessed June 3, 2019.
  11. California Air Resources Board, Idling Programs: Commercial Vehicle Idling, May 2019, <https://www.arb.ca.gov/enf/diesel.htm#cmvidling>, Accessed June 13, 2019.
  12. California Air Resources Board, “Options for Cities to Mitigate HDV Idling,” [https://www.arb.ca.gov/enf/arb\\_options\\_cities\\_mitigate\\_idling.pdf](https://www.arb.ca.gov/enf/arb_options_cities_mitigate_idling.pdf), Accessed June 3, 2019.
  13. U.S. EPA, Cleaner Trucks Initiative, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/cleaner-trucks-initiative>, Accessed June 13, 2019.
  14. California Air Resources Board, Advanced Clean Trucks, <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks/resources>, Accessed June 13, 2019.
  15. California Air Resources Board, Zero-Emission Vehicle Fleet, <https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-fleet>, Accessed June 13, 2019.
  16. California Air Resources Board, Heavy-Duty Low NOx, April 2019, <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>, Accessed June 13, 2019.
  17. South Coast AQMD, On-Road Vehicles, [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/on-road-vehicles](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/on-road-vehicles), Accessed June 3, 2019.
  18. South Coast AQMD, Voucher Incentive Program, <http://www.aqmd.gov/home/programs/business/business-detail?title=voucher-incentive-program&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.
  19. South Coast AQMD, Carl Moyer Program, <http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.
  20. California Air Resources Board, “Improving On-road Vehicle Data: Automated License Plate Readers (ALPR) Portable Emission Acquisition System (PEAQs),” <https://www.facebook.com/southcoastaqmd/videos/1248687388632139/>, Accessed May 23, 2019.



---

# CHAPTER 5C:

## WAREHOUSE ON-SITE EMISSIONS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5c: Warehouses

### Background

The freight transportation system in the South Coast Air Basin facilitates the movement of goods that are traded both domestically and internationally. An integral part of the freight transportation system are warehouses that are used to store, process and distribute goods. The San Bernardino, Muscoy community contains many warehouses and consequently plays an important role in the overall success of the logistics industry and the global economy.

The San Bernardino, Muscoy community is located in the eastern part of San Bernardino County. As of early 2019, the portion of the county within the South Coast AQMD is home to approximately 780 warehouses larger than 100,000 square feet, totaling about 260 million square feet of building space. The AB 617 San Bernardino, Muscoy emissions study area includes about 43 warehouses larger than 100,000 square feet, totaling about 16 million square feet.<sup>1,i</sup> San Bernardino County is also projected to have developable, industrially-zoned land that can accommodate an estimated 119 million square feet of additional warehousing.<sup>2</sup> While the warehouse industry is a source of jobs in communities, it is also a source of impacts to the environment, especially as it relates to air quality. For example, trucks (heavy-duty diesel trucks) that transport goods to and from warehouses often travel near and through local neighborhoods to reach their destinations,<sup>3</sup> thus exposing residents to harmful air pollutants (e.g., diesel particulate matter).

Figure 5c-1. Warehouses surrounded by trucks within the San Bernardino, Muscoy community



<sup>i</sup> CoStar data (commercial real estate information) analyzed by South Coast AQMD staff.

### Community Air Quality Priority – Warehouse Development Standards and Indirect Source Rules

Air pollution from warehouse operations is an air quality priority for the San Bernardino, Muscoy community as identified by the CSC. The CSC identified potential ways to reduce emissions and residents' exposure to emissions from warehouse operations. For example, the CSC prioritized land use development standards for warehouses that could establish buffers and orient warehouse loading docks away from residences. Development standards for warehouses could reduce the community's exposure to harmful air pollutants from heavy-duty diesel trucks that operate at warehouse facilities. Additionally, the CSC prioritized the pursuit of indirect source rules that would require emission reductions from warehouse operations.

### Ongoing Efforts

A number of ongoing efforts led by the Ports, South Coast AQMD, CARB and the U.S. EPA are designed to reduce emissions from heavy-duty diesel trucks. These trucks serve warehouses throughout the South Coast Air Basin, therefore, emissions reduced from these efforts will also benefit air quality in the San Bernardino, Muscoy community.

Several CARB requirements are modernizing the trucking industry and are reducing truck-related air pollution by phasing out the oldest, dirtiest diesel trucks. The primary CARB regulation is the Truck and Bus Rule, which requires that nearly all trucks in California must be no older than a 2010 engine model year by 2023.<sup>4</sup> New trucks built in 2010 and later are required to control particulate matter and also nitrogen oxides. Also, many new requirements are being considered that would further reduce emissions from trucks (see Table 5c-1: Upcoming U.S. EPA, CARB, and Ports Actions).

South Coast AQMD administers funding for truck owners and operators to replace older polluting trucks with ones that are cleaner than required, including smaller zero emission trucks that are commercially available.<sup>5</sup> In addition to providing incentive funds for heavy-duty trucks that reduce NOx emissions by at least 90% (near-zero-emission trucks (NZE)), South Coast AQMD also funds development and demonstration projects to help develop and commercialize zero-emission technologies for heavy-duty Class 7-8 trucks<sup>ii</sup> (e.g., battery electric, fuel cell). These projects are in the design and demonstration phase. South Coast AQMD staff is currently developing strategies to reduce emissions from warehouse operations though requirements for indirect sources (e.g., emissions from trucks that serve warehouse facilities). Additionally, South Coast AQMD will develop a series of surveys to identify which warehouse(s) may have the highest air quality impact on nearby residents. This includes mobile measurements near the identified warehouses and in nearby residential areas. These type of measurements could also be used to inform approaches to reduce air quality impacts from warehouses.

---

<sup>ii</sup> The Federal Highway Administration categorizes Class 7-8 trucks under the "Heavy-Duty (>26,001 pounds (lbs))" gross vehicle weight rating

In May 2019, San Bernardino County released the Draft Muscoy Community Action Guide for public review. The Community Action Guide is a framework to create the future character and independent identity of the community through the completion of community actions. The guide is strategic in nature and provides focus and action statements from the community that led to creation of an action plan that can be implemented at the grass-roots level within the community.

CARB is also developing a Freight Facilities Handbook that identifies practices for siting, design, construction and operation of freight facilities.<sup>6, iii</sup> CARB staff anticipate holding public workshops on the Freight Facilities Handbook in 2019.

In May 2018, the Public Utilities Commission approved \$343 million for Southern California Edison (SCE) to install infrastructure to support medium- and heavy-duty electric vehicles.<sup>7, iv</sup> This decision requires SCE to install infrastructure for 870 electrical charging sites in the next five years, supporting about 8,500 vehicles and equipment. A minimum of 40% of SCE's budget for this program must be spent in disadvantaged communities, and also a minimum of 25% of the budget must serve vehicles operating at ports and warehouses. SCE is implementing this decision through its recently launched Charge Ready Transport program.<sup>8</sup> South Coast AQMD is closely coordinating with SCE to deploy infrastructure for commercially available electric school buses and electric truck demonstration projects.

### Opportunities for Action

In addition to the ongoing efforts described in this chapter, the CSC identified specific actions to address community priorities related to warehouses. The actions are described below.

#### Action 1: Conduct Outreach to Local Governments to Encourage Avoidance of Air Quality Impacts from New Warehouse Development

##### Course of Action:

- Work with the City of San Bernardino and San Bernardino County staff to discuss and enhance land use policies (e.g., development standards) that reduce residents' exposure to emissions from old diesel trucks stopping at warehouse facilities. The collaboration would focus on ways to reduce local air quality impacts from the development of warehouse facilities, such as:
  - Buffer zones between warehouses and sensitive land uses (e.g., residences);
  - Warehouse design (e.g., orientation of loading docks)
  - Truck routes and truck parking (e.g., keep trucks away from sensitive land uses)
  - Green infrastructure (e.g., electric charging and solar power)
  - Community outreach (e.g., signage that discourages unnecessary idling)

<sup>iii</sup> A summary of this action is available on page 11 of the following concepts document: [https://www.arb.ca.gov/gmp/sfti/revised\\_freight\\_facility\\_concepts\\_advance\\_materials\\_03142018.pdf](https://www.arb.ca.gov/gmp/sfti/revised_freight_facility_concepts_advance_materials_03142018.pdf)

<sup>iv</sup> A summary of the decision from California Public Utilities Commission may be found here: <http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442457607>

– Development of Air Quality Mitigation/Community Benefit Funds	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Public Information and Outreach</li> <li>• Exposure Reduction</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Provide technical input to local land use agencies on reducing air quality impacts from warehouse land uses, (e.g., during general plan and community plan updates)</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Second quarter 2020, <u>begin to work with local and state entities such as the City of San Bernardino and San Bernardino County planning staff, Southern California Edison (SCE), the California Public Utilities Commission (CPUC) and the California Energy Commission (CEC) to develop standard approaches</u> <del>begin consulting with the City of San Bernardino and San Bernardino County planning staff, industry, and community members on developing and implementing standard approaches for new warehouse development for new warehouse development</del></li> <li>• First quarter 2021, provide <del>biannual</del> <u>semiannual</u> status updates to the CSC on work with the City of San Bernardino and San Bernardino County planning staff on implementing standard approaches for warehouse development</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<del>South Coast AQMD staff will work</del> Work with local governments and stakeholders to identify and promote standard approaches for warehouse development
City of San Bernardino	Work with South Coast AQMD on developing standard approaches for warehouse development that reduce local air quality impacts
County of San Bernardino	Work with South Coast AQMD on developing standard approaches for warehouse development that reduce local air quality impacts
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• San Bernardino County's Draft Muscoy Community Action Guide (available for public review): <a href="http://countywideplan.com/muscoy/draft/">http://countywideplan.com/muscoy/draft/</a></li> <li>• San Bernardino County's General Plan update (available for public review): <a href="http://countywideplan.com/">http://countywideplan.com/</a></li> <li>• City of San Bernardino General Plan: <a href="http://www.sbcity.org/cityhall/community_development/planning/planning_documents.asp">http://www.sbcity.org/cityhall/community_development/planning/planning_documents.asp</a></li> </ul>	

Action 2: Develop Proposed Indirect Source Rule for Warehouses	
Course of Action:	
<ul style="list-style-type: none"> <li>Continue developing proposed Indirect Source Rule (ISR) for warehouses</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Regulation</li> <li>Public Information and Outreach</li> <li>Collaboration</li> <li>Exposure reduction</li> </ul>	
Goals:	
<ul style="list-style-type: none"> <li>Provide quarterly updates to CSC on rule development for warehouses</li> <li>Bring proposed ISR for warehouses for <del>approval</del> <u>Board consideration</u></li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>Fall 2019, hold a <u>public</u> meeting in the Inland Empire to discuss proposed ISR for warehouses</li> <li><del>Late 2019/early</del> <u>Early 2020</u>, bring proposed ISR for warehouses to South Coast AQMD Governing Board for <del>approval</del> <u>consideration</u></li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Continue development of ISR for warehouses</li> <li>Conduct outreach to CSC for ISR working groups, workshops, meetings, and other opportunities to provide rule feedback</li> </ul>
CSC Members	<ul style="list-style-type: none"> <li>Participate in South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for ISR for warehouses</li> </ul>
Additional Information:	
Warehouse ISR rule development: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/warehs-distr-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/warehs-distr-wkng-grp</a>	

Action 3: Promote Installation of Infrastructure Needed to Support Zero-Emission Vehicles and Equipment
Course of Action:
<ul style="list-style-type: none"> <li>Collaborate with local governments, <del>and</del> <u>utilities, and local and state entities</u> to promote the installation of fueling infrastructure needed to support zero-emission trucks/vehicles, transport refrigeration units and cargo handling equipment. Specific efforts will include:</li> </ul>

<ul style="list-style-type: none"> <li>– Sharing information with Southern California Edison (SCE) and other applicable entities when applicants are awarded funds from South Coast AQMD for zero-emission vehicles to identify likely partners for infrastructure projects</li> <li>– Working with SCE and other entities to identify potential partners and prioritize funding for zero-emissions infrastructure within the San Bernardino, Muscoy community</li> <li>– Prioritizing zero-emission technology, when commercially available or technologically feasible</li> <li>– Working with local governments and utilities to develop design standards for medium- and heavy-duty vehicle/equipment electrical infrastructure for new warehouse projects</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• South Coast AQMD and SCE will provide outreach to all 43 existing warehouses within the San Bernardino, Muscoy community to encourage installation of infrastructure needed to support zero-emission vehicles and equipment</li> <li>• <del>Provide-Engage in</del> outreach to any new/planned future sites (and project partners) and determine feasibility to install zero-emission electric infrastructure, serving potential zero-emission vehicles and/or equipment in the San Bernardino, Muscoy community. South Coast AQMD and SCE will track adoption of zero-emission infrastructure and provide updates to the CSC</li> <li>• Identify sites for installation of electrical infrastructure</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• December 2020, <u>begin to work with local and state entities such as the City of San Bernardino and San Bernardino County planning staff, Southern California Edison (SCE), the California Public Utilities Commission (CPUC) and the California Energy Commission (CEC) to develop preliminary design standards for electrical infrastructure for new warehouse projects</u> <del>development of preliminary design standards for electrical infrastructure for new warehouse projects that local governments can use</del></li> <li>• <u>Continue to provide outreach to warehouses in the community to encourage installation of infrastructure of zero-emission infrastructure</u></li> <li>• July 2021, begin identifying potential sites for installation of electrical infrastructure</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	Work with SCE and project partners to plan for increased zero-emission vehicle infrastructure



Southern California Edison and other fueling providers	Work with South Coast AQMD, local agencies, and site owners/operators to identify potential sites for installation of zero-emission vehicle electric infrastructure
Additional Information:	
SCE Charge Ready Transport: <a href="https://www.sce.com/business/electric-cars/charge-ready-transport">https://www.sce.com/business/electric-cars/charge-ready-transport</a>	

## References

1. South Coast AQMD, Warehouse Indirect Source Rule Working Group Meeting, [http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/warehouse-wg\\_03-22-19\\_v0320.pdf](http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/warehouse-wg_03-22-19_v0320.pdf), Accessed June 2019.
2. Southern California Association of Governments, Industrial Warehousing in the SCAG Region, April 2018, <http://www.freightworks.org/DocumentLibrary/Industrial%20Warehousing%20Report%20-%20Revised%202018.pdf>, Accessed June 2019.
3. University of California, Davis, Institute of Transportation Studies, Warehousing and Distribution Center Facilities in Southern California: The Use of the Commodity Flow Survey Data to Identify Logistics Sprawl and Freight Generation Patterns, July 2017, <https://ncst.ucdavis.edu/wp-content/uploads/2015/08/NCST-Caltrans-Jaller-Warehouse-and-Distribution-Logistics-Sprawl-FINAL-July-19-2017.pdf>, Accessed June 2019.
4. California Air Resources Board, Truck and Bus Regulation, <https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>, Accessed June 7, 2019.
5. South Coast AQMD, On-Road Vehicles, [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/on-road-vehicles](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/on-road-vehicles), Accessed June 3, 2019.
6. California Air Resources Board, [https://www.arb.ca.gov/gmp/sfti/revised\\_freight\\_facility\\_concepts\\_advance\\_materials\\_03142018.pdf](https://www.arb.ca.gov/gmp/sfti/revised_freight_facility_concepts_advance_materials_03142018.pdf), Accessed June 2019.
7. California Public Utilities Commission, Summary of Decision on Transportation Electrification Program Proposals from the Investor-Owned Utilities, <http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442457607>, Accessed June 2019.
8. Southern California Edison, Charge Ready Transport Program, <https://www.sce.com/business/electric-cars/charge-ready-transport>, Accessed June 2019.

---

# CHAPTER 5D:

## OMNITRANS BUS YARD

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5d: Omnitrans Bus Yard

### Background

Omnitrans<sup>1</sup> is a public transit agency established in 1976 that serves the San Bernardino Valley. Omnitrans operates local and express bus routes, including bus transit (sbx), shuttle (OmniGo), and a wheelchair-accessible service for people with disabilities (Access).<sup>2</sup> Omnitrans carries approximately 11 million passengers each year throughout its 480 square mile service area, covering 15 cities and portions of the unincorporated areas of San Bernardino County, and employs almost 700 people at its two operating and maintenance facilities, including one in San Bernardino and one in Montclair. An Omnitrans bus yard is located at 1700 W. 5<sup>th</sup> Street, San Bernardino (Figure 5-1). The bus yard is used to park, service and refuel 121 buses on a daily basis. The buses operate on pipeline compressed natural gas (CNG). CNG is odorless; however, Mercaptan is added to CNG as a leak-detection safety feature. People can smell Mercaptan, which contains sulfur, at very low levels.

Figure 5-1: Location of Omnitrans Bus Yard



### Community Air Quality Priority – Odors and Zero-Emission Buses

Odors detected by residents near the Omnitrans bus yard are a priority for the CSC. The CSC recommends that the South Coast AQMD work with Omnitrans to determine if the bus yard is a source of odor emissions detected by the community. Additionally, the CSC prioritized zero-emission buses (e.g., electric buses) to improve the air quality in the San Bernardino, Muscogee community.

### Ongoing Efforts

CARB's Innovative Clean Transit Regulation<sup>3</sup> is a statewide effort to transition public transit agencies to 100% zero-emission bus fleets by 2040.<sup>4</sup> To address this, Omnitrans expects to replace the total fleet with zero-emission buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040). Recent efforts by Omnitrans to transition to cleaner buses even earlier includes applying for grant funding through the Low or No Emission Grant Program.<sup>5</sup> As a collaborative effort, the South Coast AQMD provided a letter of support for Omnitrans's proposal.

Omnitrans is subject to South Coast AQMD Rule 1192 — Clean On-Road Transit Buses. Rule 1192 requires public transit fleets with 15 or more transit vehicles or urban buses to acquire alternative fuel heavy-duty vehicles when buying or leasing public transit vehicles.<sup>6</sup> Also, equipment, such as gasoline dispensing devices, emergency engines and paint spray booths that are operated at the bus yard are subject to certain South Coast AQMD rules (e.g., Rule 461 – Gasoline Transfer and Dispensing). South Coast AQMD enforcement staff conducts unannounced inspections at the facility to determine compliance with these rules.

### Identifying Opportunities for Action

The CSC identified actions to reduce emissions from Omnitrans' operations. The details of these actions are described below.

<b>Action 1: Conduct Air Monitoring to Identify the Composition and Level of Emissions Near the Omnitrans Bus Yard</b>
Course of Action:
<ul style="list-style-type: none"> <li>• <del>Air monitoring measurements</del> near the Omnitrans Bus Yard</li> <li>• Based on emissions information collected (i.e., from air monitoring, site visits, facility inspections, etc.), identify potential sources of emissions</li> <li>• <u>If persistent elevated levels of pollutants are detected at locations through air monitoring activities, conduct appropriate follow-up investigations (e.g., on site testing or other types of data review)</u></li> </ul>
Strategies:
<ul style="list-style-type: none"> <li>• <u>Air Monitoring</u></li> <li>• <del>Enforcement Collaboration</del></li> <li>• <del>Public Information and Outreach</del></li> </ul>
Goals:
<ul style="list-style-type: none"> <li>• Conduct <del>monitoring measurements</del> near Omnitrans to identify potential sources of emissions</li> <li>• Provide quarterly or <del>biannual</del> <u>semiannual</u> updates to the CSC on air <del>monitoring measurement</del> data results and information collected</li> </ul>
Estimated Timeline:

<ul style="list-style-type: none"> <li>• Third quarter 2019, begin mobile air <del>monitoring</del> <u>measurements</u></li> <li>• First quarter of 2020, begin quarterly updates to the CSC</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Conduct air <del>monitoring</del> <u>measurements</u> near the Omnitrans bus yard and in the surrounding community, <del>and</del> gather information through facility inspections and outreach <u>and follow-up with enforcement actions, as needed</u></li> <li>• Provide the updates to the CSC</li> </ul>
Additional Information:	
San Bernardino, Muscoy Community Air Monitoring Plan: <a href="https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf">https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf</a>	

Action 2: Support Omnitrans's Transition to Zero-Emission Buses	
Course of Action:	
<ul style="list-style-type: none"> <li>• Support Omnitrans's efforts to accelerate the deployment of zero-emission buses and supporting infrastructure (e.g., letters of support)</li> <li>• Provide Omnitrans with information on incentive opportunities for zero-emission buses and supporting infrastructure</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
Goal:	
<ul style="list-style-type: none"> <li>• Develop proposals and apply for grants <del>opportunities that are designed to</del> accelerate the deployment of zero-emission buses and electric vehicle chargers, in collaboration with Omnitrans</li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>• Replace the total fleet with electric buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040)</li> <li>• Provide annual updates to the CSC on work with Omnitrans to transition to zero-emission buses</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Provide Omnitrans letters of support for -grant applications that accelerate the deployment of zero-emission buses</li> <li>• Provide information to Omnitrans <del>for</del> <u>regarding</u> opportunities to seek zero-emission buses and electric vehicle chargers</li> </ul>

Omnitrans	<ul style="list-style-type: none"> <li>• Submit application materials for grants or funding towards zero-emission buses and electric vehicle chargers (e.g., the Low or No-Emission Grant Program)</li> <li>• Continue ongoing efforts to transition to a 100% zero-emission fleet by 2040 or earlier</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• Omnitrans: <a href="http://www.Omnitrans.org/about/">http://www.Omnitrans.org/about/</a></li> <li>• Low or No-Emission Grant Program: <a href="https://www.transit.dot.gov/funding/applying/notices-funding/low-or-no-emission-low-no-program-fy-2019-notice-funding">https://www.transit.dot.gov/funding/applying/notices-funding/low-or-no-emission-low-no-program-fy-2019-notice-funding</a></li> </ul>	

## References

1. Omnitrans, About Omnitrans, May 2019, [www.Omnitrans.org/about](http://www.Omnitrans.org/about), Accessed May 23, 2019.
2. Omnitrans, Omnitrans System Map, [http://www.Omnitrans.org/schedules/pdf/system-map/Omnitrans\\_System\\_Map\\_0519.pdf](http://www.Omnitrans.org/schedules/pdf/system-map/Omnitrans_System_Map_0519.pdf), Accessed May 23, 2019.
3. California Air Resources Board, Innovative Clean Transit Regulation, March 13, 2019, <https://arb.ca.gov/msprog/ict/ict.htm>, Accessed June 9, 2019.
4. Next-Generation Transportation (NGT) News, California Switching to Zero-Emission Transit Buses by 2040, December 17, 2018, <https://ngtnews.com/california-switching-to-zero-emission-transit-buses-by-2040>, Accessed June 9, 2019.
5. Federal Transit Administration, Low or No Emission (Low-No) Program (FY 2019) Notice of Funding, <https://www.transit.dot.gov/funding/applying/notices-funding/low-or-no-emission-low-no-program-fy-2019-notice-funding>, Accessed May 24, 2019.
6. South Coast AQMD, Rule 1192 – Clean On-Road Transit Bus, June 2000, <https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1192.pdf>, Accessed May 23, 2019.



---

# CHAPTER 5E:

## RAILYARDS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

## Chapter 5e: Railyards (On-site Emissions)

### Background

Railyards are used to store, sort, or load and unload railroad cars. Common loads include containers (stacked or on trailers), tankers with chemical or petroleum products, and bulk products such as construction materials or grain. Containers can be transported to and from warehouses for storage and sorting before reaching their final destination. Regional rail volumes are projected to more than double between 2012–2040 in response to growing international trade,<sup>1</sup> however the potential amount of growth at railyards such as the BNSF San Bernardino railyard is unknown.

BNSF Railway Company (BNSF) operates many railyards<sup>2</sup> throughout California. The San Bernardino BNSF Railyard is located next to residential areas within the San Bernardino, Muscoy community and has been identified as a major air quality concern (Figure 5e-1).<sup>3</sup> The BNSF San Bernardino Railyard is located at 1535 West 4th Street in San Bernardino, and encompasses about 168 acres. Most of the railyard is located in a commercial and manufacturing area. However, several residential areas are next to the facility on the north and west sides, with some homes within 200 feet of the fenceline. The facility operates 24 hours a day, 365 days a year.<sup>4</sup>

### Community Air Quality Priority – Emissions from Railyards

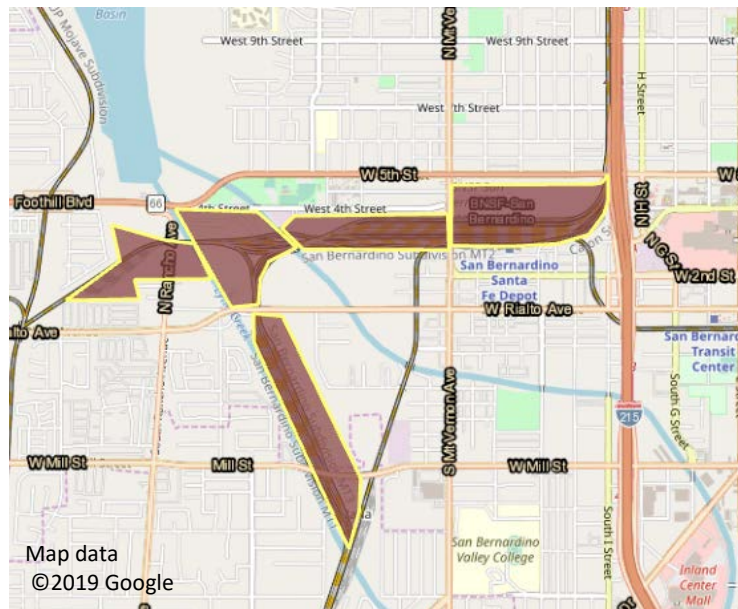
Air pollution is generated by equipment and vehicles that are used for railyard operations. These vehicles and equipment move containers and railcars into and around the railyard to load, unload, and transport goods in and out of the railyard. Emissions can also be generated during maintenance activities (e.g., track maintenance). Examples of equipment used for railyard operations include:

- Locomotives (including ‘switchers’ that build and deconstruct trains, often within railyards, and larger ‘line-haul’ locomotives that pull trains hundreds of miles between railyards)
- Drayage trucks (i.e., on-road tractors that pull trailers loaded with containers, often from the ports)
- Cargo handling equipment (e.g., gantry cranes, top picks, and off-road yard trucks)
- Transportation Refrigeration Units (e.g., truck refrigeration units and refrigerated railcars), and
- Miscellaneous equipment (e.g., fuel trucks)

The CSC prioritized addressing air pollution from the BNSF railyards in the CERP. Specifically, the CSC expressed concerns about diesel emissions from trains and other diesel equipment at the San Bernardino BNSF railyard. The CSC also cited health studies conducted in the nearby community as part of their reasoning for prioritizing this issue.<sup>5,6</sup> Potential opportunities to reduce emissions from diesel equipment used at railyards, include replacing older equipment

with newer, less polluting equipment (e.g., replacing diesel-fueled yard trucks with electric yard trucks), and ensuring that the replacement or repower of equipment is based on the cleanest technology available.

Figure 5e-1. The BNSF Railyard within the San Bernardino, Muscoy Community



## Ongoing Efforts

A short summary is provided below of the key regulations and programs that are in place or are being developed at the national, state, and local level to address emissions from railyards.

### *Federal Actions*

Railroads' operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions. However, the U.S. EPA has used its authority under the Clean Air Act to require new diesel locomotives to be built to meet the cleanest emission standard (also known as Tier 4).<sup>7</sup> This requirement also applies to certain locomotives that are remanufactured.<sup>i</sup> These regulations require the installation of devices that reduce idling on newly manufactured<sup>ii,8</sup> and remanufactured locomotives<sup>9</sup> and mandate the use of ultra-low sulfur diesel fuel.<sup>10</sup> However, these regulations do not require railroads to reduce their usage of existing older, higher-emitting locomotives. Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time. In 2017, CARB also petitioned

<sup>1</sup> Remanufacturing can include activities like replacing an old engine in a locomotive with a new engine. The useful life of a locomotive is typically at least ten years.

ii The U.S. EPA defines newly manufactured as freshly manufactured.

---

~~the U.S. EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines. The CARB petition is under review by the U.S. EPA. Because locomotive engines can last over 30 years, locomotive fleet turnover is slow, so even if the U.S. EPA were to develop a Tier 5 emission standard, it would not result in immediate emission reductions.~~

In 2017, the California Air Resources Board (CARB) petitioned the U.S. EPA<sup>iii</sup> to update emission standards for new and remanufactured locomotives, establishing a cleaner Tier 5 standard for new engines. The petition asked that the new emission standards go into effect in 2023 for remanufactured locomotives, and 2025 for new locomotives. South Coast AQMD supported the petition and sent a letter of support. The U.S. EPA acknowledged the receipt of the petition, but has not provided any update or plans for further action. Because locomotive engines can last over 30 years, locomotive fleet turnover is slow, so even if the U.S. EPA were to develop a Tier 5 emission standard, it would not result in immediate emission reductions.

#### *State Actions (CARB)*

CARB has two agreements<sup>11, 12</sup> with BNSF to reduce locomotive emissions in and around railyards. An agreement in 1998 required BNSF to meet a fleet average of Tier 2 locomotives in the South Coast Air Basin every year between 2010 and 2030. BNSF has met this commitment every year. The second agreement in 2005 focused on railyards and required: implementation of a locomotive idling-reduction program, maximizing the use of ultra-low sulfur diesel fuel, preparation of health risk assessments, evaluation of measures to further reduce diesel particulate emissions, and an assessment of remote sensing technology to identify high-emitting locomotives. BNSF has met the requirements from the 1998 and 2005 agreements. CARB has discussed the potential for two new regulations that would reduce emissions from locomotives, including regulation to reduce idling activity and a regulation to address non-preempted locomotive use in the state through retrofit, replacement and other actions. Also, CARB staff plans to develop amendments to the Cargo Handling Equipment Regulation, Transportation Refrigeration Unit Regulation, and its Drayage Truck Regulation to begin the transition to zero-emission technology starting in 2026.<sup>13</sup>

#### *South Coast AQMD*

South Coast AQMD previously adopted rules<sup>iv</sup> that would have required railroads to reduce idling, conduct recordkeeping, and prepare emissions inventories and health risk assessments for railyards. However, the railroads sued the South Coast AQMD, and the courts determined that the rules cannot currently be enforced as they are preempted by federal law. South Coast AQMD is evaluating potential new strategies to reduce emissions from railyards, including developing a

---

<sup>iii</sup> Even if the U.S. EPA were to update the emission standards in response to the petition, the new standards would only apply to new and remanufactured locomotive engines. Given the slow turnover of the railroads' fleet, emissions reductions would not be immediate.

<sup>iv</sup> Regulation XXXV: [http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxxv\\_](http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxxv_)

---

potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions. This ISR was initially intended to address regional air pollution, in particular through reducing NOx emissions. The CSC has made it clear that an ISR must also focus on reducing localized impacts from railyards. The railroads have participated in workshops related to Facility Based Mobile Source Measures (FBMSM) and will continue to work with District staff and the community.

South Coast AQMD funds projects to help develop technology that can lower emissions from locomotives (e.g., natural gas hybrid, battery electric, and fuel cell). These projects are in the design and demonstration phase and not yet commercially available. Additionally, the South Coast AQMD provides incentives for rail operators that purchase technologies for locomotives and cargo handling equipment that is cleaner than required.

#### Identifying Opportunities for Action

South Coast AQMD staff conducted air monitoring near SBM during the Multiple Air Toxics Exposure Study (MATES) in 2013, which identified high levels of black carbon (BC) and ultrafine particulate matter (PM) near the BNSF railyard. The community near this railyard was ~~part of the~~ one of the pilot communities ~~for~~ in the South Coast AQMD Clean Communities Plan (CCP). The CCP, ~~which~~ included significant community engagement activities, and emissions and exposure reduction efforts (e.g., air filtration projects, use of low-VOC paints, and other emission reduction measures). South Coast AQMD also funded the Environmental Railyard Research Impacting Community Health (ENRRICH) study, which consisted of a community health assessment and public health outreach project led by the late Dr. Sam Soret of Loma Linda University.

The South Coast AQMD continues to seek opportunities to reduce air pollution from railyards. The actions below have been identified by the CSC to reduce emissions from railyards.

Action 1: Reduce Emissions from Railyards
Course of Action(s):
<ul style="list-style-type: none"><li>• Pursue strategies to reduce air pollution from railyards through the development of indirect source requirements and other measures, including reducing localized emissions and exposures</li><li>• Work with CARB on the development of new requirements to reduce air pollution from railyards</li><li>• Work with local utilities and state agencies like the California Energy Commission (CEC) and the Public Utilities Commission (PUC) to encourage the installation of infrastructure needed to fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard</li></ul>

<ul style="list-style-type: none"> <li>• Continue to support CARB’s petition<sup>v</sup> to the U.S. EPA for new national locomotive emission standards</li> <li>• Work with the BNSF railyard in the San Bernardino, Muscoy community to replace diesel-fueled equipment with cleaner technologies<sup>vi</sup></li> <li>• Conduct fenceline and/or mobile <del>monitoring</del> <u>air measurements</u> around railyards to identify activities that may cause increased levels of air pollution. <del>Air</del> <u>Mobile</u> measurements (and fixed <u>air</u> monitoring, when appropriate) will extend into the community to assess how railyard related emissions may contribute to the overall air pollution burden in this community</li> <li>• Use emissions inventory and <u>air</u> monitoring information to identify opportunities for emission reductions</li> </ul>
Strategies:
<ul style="list-style-type: none"> <li>• Rules and Regulations</li> <li>• Incentives</li> <li>• Collaboration</li> <li>• <u>Air</u> Monitoring</li> </ul>
Goals:
<ul style="list-style-type: none"> <li>• Provide <del>biannual</del> <u>semiannual</u> updates and engage the CSC on new requirements being developed by CARB and South Coast AQMD</li> <li>• Provide quarterly or annual updates to the CSC on air monitoring results</li> <li>• Replace two line haul and two switcher locomotives at the BNSF railyard through incentive funding programs</li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u> <del>Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target</del></li> </ul>
Estimated Timeline:
<ul style="list-style-type: none"> <li>• 2020, South Coast AQMD to consider new ISR and/or other measures on railyards</li> <li>• Between 2020 and 2022, CARB to consider new regulations and/or other measures: <ul style="list-style-type: none"> <li>-Between 2020 and 2022, for locomotives</li> <li>-By 2020, amendments for zero-emission refrigeration units (TRUs)</li> <li>-By 2022, amendments for zero-emission drayage trucks and cargo handling equipment</li> </ul> </li> <li>• 2020, begin working with local utilities and state agencies such as CEC and PUC to encourage the installation of infrastructure for fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard</li> </ul>

<sup>v</sup> CARB Locomotive Petition to U.S. EPA (April 2017): <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>.

<sup>vi</sup> A variety of technology assessments have been conducted to assist in this effort. Examples include: <https://ww2.arb.ca.gov/resources/documents/technology-and-fuels-assessments>; <http://www.cleanairactionplan.org/documents/draft-2018-feasibility-assessment-for-cargo-handling-equipment.pdf/>.

<ul style="list-style-type: none"> <li>• <u>Continue to support CARB's petition to the U.S. EPA for new national locomotive standards</u></li> <li>• <u>2019-2020, hold a public meeting in the Inland Empire on ISR for railyards</u></li> <li>• 2020, work with BNSF railyard in the San Bernardino, Muscoy community to replace diesel-fueled equipment with cleaner technologies</li> <li>• Second half of 2019, South Coast AQMD to conduct air <del>monitoring measurements</del> at railyards and nearby communities</li> <li>• When available, use emissions inventory and <u>air</u> monitoring information to identify opportunities for emission reductions</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Pursue indirect source requirements and other measures for railyards, and improve community access to rule development process by holding a working group meeting in or near this community. Provide updates to the CSC on the development of indirect source requirements for railyards</li> <li>• Work with CARB on the development of new requirements to reduce air pollution from railyards. Continue to support CARB's petition to U.S. EPA for new national locomotive standards</li> <li>• Work with local utilities and state agencies to encourage the installation of infrastructure for fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard</li> <li>• Work <u>with BNSF</u> to <del>allocate incentive funding to</del> replace on-site diesel equipment with the <u>cleaner</u><del>cleanest</del> technologies <del>available</del></li> <li>• Work with BNSF to provide updates to the CSC on emission reduction progress within the San Bernardino BNSF railyard</li> <li>• Work with CARB to identify opportunities for new incentives in this community</li> <li>• Conduct air <del>monitoring measurements</del> in community areas near the BNSF railyard and provide updates to the CSC. <u>Use emission inventory and air monitoring information to identify opportunities for emission reductions</u></li> </ul>
<u>BNSF</u>	<ul style="list-style-type: none"> <li>• <u>Continue participation in FBMSM working group meetings</u></li> </ul>
CSC Members	Participate in CARB and South Coast AQMD rule development process (e.g., attending working group meetings, providing



	comments on draft rule materials, etc.) for regulations affecting railyards
CARB	<ul style="list-style-type: none"> <li>• Pursue regulations and/or other measures (e.g., incentives) to achieve additional emission reductions at railyards</li> <li>• Prioritize enforcement (e.g., for cargo handling equipment) in this community</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• Indirect Source Rule for Railyards: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp</a><sup>9</sup></li> <li>• Carl Moyer Program: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades">http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades</a><sup>14</sup></li> <li>• CARB's proposed regulations to reduce emissions from locomotives: <a href="https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives">https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives</a><sup>15</sup></li> <li>• <u>Additional information on CARB's actions to minimize community health impacts from freight and estimated timelines is available at :</u> <a href="https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf">https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf</a></li> </ul>	

## References

1. Southern California Association of Governments, 2016 RTP, Goods Movement Appendix, April, 2016, <http://scagrtpscscs.net/Pages/FINAL2016RTPSCS.aspx>, Accessed June 3, 2019.
2. California Air Resources Board, Railyard Maps, March 2013, <https://www.arb.ca.gov/railyard/community/map.htm>, Accessed May 1, 2019.
3. Caltrans GIS Data, May 20 2019, <http://www.dot.ca.gov/hq/tsip/gis/datalibrary/>, Accessed June 3, 2019.
4. California Air Resources Board, Health Risk Assessment for the BNSF Railway San Bernardino Railyard. June 11, 2008. [https://www.arb.ca.gov/railyard/hra/bnsf\\_sb\\_final.pdf?\\_ga=2.248110979.56395114.1560264190-1564673299.1501803809](https://www.arb.ca.gov/railyard/hra/bnsf_sb_final.pdf?_ga=2.248110979.56395114.1560264190-1564673299.1501803809). Accessed April 15, 2019
5. Association of major California freight railyards with asthma-related pediatric emergency department hospital visits. Loma Linda University School of Public Health. March 2019. <https://www.sciencedirect.com/science/article/pii/S2211335518302626?via%3DiHub>. Accessed April 30, 2019.
6. Project ENRRICH: A Public Health Assessment of Residential Proximity to a Goods Movement Railyard. Loma Linda University School of Public Health. May 2014.

- 
- [http://www.aqmd.gov/docs/default-source/clean-air-plans/clean-communities-plan/enrich\\_final\\_report\\_29may2014.pdf](http://www.aqmd.gov/docs/default-source/clean-air-plans/clean-communities-plan/enrich_final_report_29may2014.pdf). Accessed April 30, 2019
7. U.S. EPA, Regulations for Emissions from Locomotives, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-emissions-locomotives>, Accessed May 1, 2019.
  8. U.S. EPA, Locomotive Emission Standards Regulatory Support Document, April 1998, <https://nepis.epa.gov/Exe/ZyPDF.cgi/P100F9QT.PDF?Dockey=P100F9QT.PDF>, Accessed July 24, 2019.
  9. U.S. EPA, Control of Emissions from Idling Locomotives, <https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100HP4Q.pdf>, Accessed May 1, 2019.
  10. U.S. EPA, Diesel Fuel Standards and Rulemakings, <https://www.epa.gov/diesel-fuel-standards/diesel-fuel-standards-and-rulemakings#nonroad-diesel>, Accessed May 1, 2019.
  11. California Air Resources Board, 1998 Tier 2 Fleet Average in the South Coast Air Basin Agreement: <https://www.arb.ca.gov/railyard/1998agree/1998agree.htm>
  12. 2005 Statewide Rail Yard Agreement: <https://www.arb.ca.gov/railyard/2005agreement/2005agreement.htm>
  13. California Air Resources Board, <https://www.arb.ca.gov/gmp/sfti/sfti.htm>, Accessed June 5, 2019.
  14. South Coast AQMD, Carl Moyer Program (Heavy-Duty Engines), <http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades10>, Accessed May 31, 2019.
  15. California Air Resources Board, Evaluation and Potential Development of Regulations to Reduce Emissions from Locomotives, <https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives>, Accessed May 30, 2019.

---

# CHAPTER 5F:

## CONCRETE BATCH PLANTS, ASPHALT, AND AGGREGATE PLANTS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5f: Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants

### Background

Concrete batch, asphalt batch, and rock and aggregate plants can pose dust and particulate matter (PM<sub>10</sub>) problems due to the type and size of the materials being used for the processes. Hot mix asphalt batch plants may also pose an odor nuisance from the heating of materials. Concrete is a common material used for construction and is manufactured at concrete batch plants, where it is made by combining several ingredients including water, cement, and aggregate (e.g., sand, rock, gravel). The main equipment used at concrete batch plants include mixers, bins/hoppers/silos (to hold or store concrete or aggregate), conveyors, and dust collectors (e.g., baghouses).<sup>1</sup> The ingredients for concrete are introduced into the mixer where they undergo agitation. This process is typically vented into baghouses to prevent dust emissions. Dry-concrete batch plants do not use water, which can create more dust. Wet-concrete batching usually uses aggregate material that has been washed to remove silt and clay. As a result, the material arrives in moist conditions and should not pose a dust problem.

Figure 5f-1: Concrete batch plant



Figure 5f-2: Asphalt being used for paving



hot mix asphalt. Smoke is released from the hot oil and the hot mix asphalt and can cause odor nuisances.

A hot mix asphalt batch plant heats, mixes, and combines aggregate and asphalt to create hot mix asphalt. The hot mix asphalt is usually transported by trucks to be used for paving (e.g., roads, roofing). A typical hot mix asphalt batch plant consists of a drum dryer, a screening system, weight boxes for asphalt cement and aggregate, a mixer, and conveying equipment. The moist aggregate is typically transported into the drum dryer to be dried out. This process is typically vented to a baghouse, as dried aggregate is the largest source of dust emissions from asphalt batch plants. Finally, oil is added to the aggregate to create the

Figure 5f- 3: Aggregate or rock plant



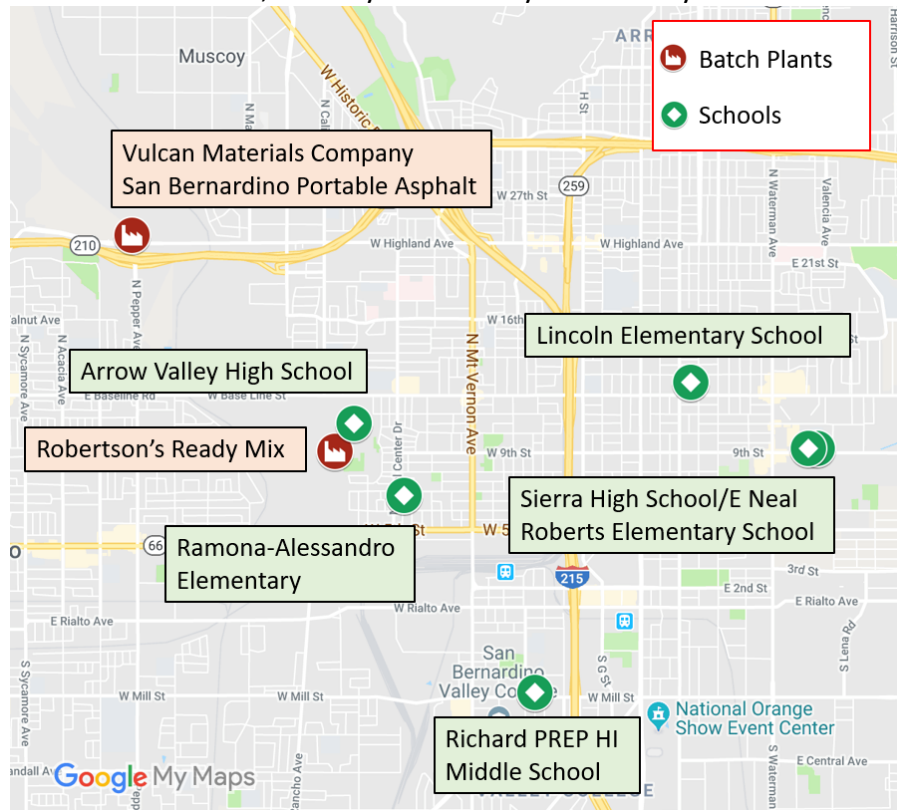
Rock and aggregate (gravel) plants supply sand and various-sized aggregates for construction and paving industries. Aggregates are processed by separating out various-sized pieces of gravel through different sized screens. Oversized aggregates can be crushed into smaller pieces. Dust is created as rocks are crushed and the dry surfaces are exposed, especially as the rocks are more finely crushed.

### Community Air Quality Priority – Fugitive Dust, Particulate Matter (PM<sub>10</sub>) Emissions, and Odors

The community of San Bernardino, Muscoy identified fugitive dust, particulate matter, and odors from concrete batch, asphalt batch, and rock aggregate batch plants as an air quality concern. There are two plants within the community boundary: Robertson's Ready Mix and Vulcan Materials Company San Bernardino Portable Asphalt (Vulcan Materials). Robertson's Ready Mix is a concrete batch plant. Vulcan Materials ~~Company San Bernardino Portable Asphalt~~ is an asphalt batch and rock and aggregate plant.

The CSC emphasized addressing fugitive dust and particulate matter emissions from batch plants within close proximity to schools (see Figure 5f-4). \_For instance, Robertson's Ready Mix borders Arroyo Valley High School and is one half of a mile from Ramona-Alessandro Elementary School. To reduce exposure to these emissions, the CSC recommended the installation of air filtration systems at schools.\_ More information on the air filtration systems at schools can be found in Chapter 5g.

Figure 5f-4: Map of Concrete Batch and Asphalt Batch and Rock and Aggregate Plants in the San Bernardino, Muscoy Community and Nearby Schools



### Ongoing Efforts

South Coast AQMD has rules to address fugitive dust and PM<sub>10</sub> emissions from concrete batch, asphalt batch, and rock and aggregate plants.

Odor nuisances from asphalt batch plants can also be addressed through South Coast AQMD Rule 402 – Nuisance.<sup>2</sup> South Coast AQMD inspectors investigate complaints and a public nuisance notice of violation for public nuisance can be issued if an inspector confirms odors with a affecting a considerable number of persons or the public.

South Coast AQMD Rule 403 – Fugitive Dust<sup>3</sup> reduces the amount of particulate matter in the air by requiring actions to prevent, reduce or mitigate fugitive dust emissions. Fugitive dust is any solid particulate matter that becomes airborne, but is not emitted from an exhaust stack. Fugitive dust can result from man-made activities, such as mining operations, agriculture, and construction activities. ~~Some of the requirements~~ Requirements to minimize fugitive dust emissions ~~can~~ include washing down vehicle undercarriages or tires, paving surfaces, or limiting the amount of track out.

South Coast AQMD Rule 1155 – Particulate Matter (PM) Control Devices,<sup>4</sup> establishes requirements for air pollution control devices that reduce particulate matter (e.g., baghouses).



This rule applies to operators of air pollution control devices venting processes (such as processes at concrete batch plants, asphalt batch plants, and rock and aggregate plants) that have direct particulate matter emissions, ~~such as concrete batch plants, asphalt batch plants, and rock and aggregate plants.~~ The requirements Requirements may include monitoring, recordkeeping, or operational standards to ensure an air pollution control device is working properly.

South Coast AQMD Rule 1157 ~~–~~ PM10 Emission Reductions from Aggregate and Related Operations,<sup>5</sup> reduces PM10 emissions from all permanent and temporary aggregate and related operations by requiring these operations to comply with certain best practices outlined in the rule (e.g., using dust suppressants).

### Identifying Opportunities for Action

The CSC identified an action to reduce emissions from concrete batch, asphalt batch, and rock and aggregate plants. Details about the action is described below.

<b>Action 1: Reduce Fugitive Dust, Particulate Matter (PM10), and Odors from Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>• Provide public outreach information for the community on Rules 402, 403, 1155, and 1157 requirements, <del>which address odors, fugitive dust, and PM10 emissions from aggregate and related operations,</del> and South Coast AQMD's complaint system<sup>6</sup>, <del>which address odors, fugitive dust, and PM10 emissions from aggregate and related operations</del></li> <li>• Conduct focused air monitoring near the concrete batch, asphalt batch, and rock and aggregate plants to check for <del>elevated any potential levels of</del> emissions             <ul style="list-style-type: none"> <li>- If persistent elevated levels <u>of PM10 emissions</u> are detected at locations through air monitoring activities, conduct appropriate follow-up investigations (e.g., on site testing or other types of data review)</li> </ul> </li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• <u>Air</u> Monitoring</li> <li>• Enforcement</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Hold a public outreach event for the first year of the implementation period to explain the requirements of Rules 402, 403, 1155, and 1157, and the South Coast AQMD's complaint process. If necessary, determine if additional annual outreach events are needed</li> <li>• Provide quarterly or <del>semiannual</del> <u>biannual</u> updates to the CSC on enforcement activities</li> </ul>	



<ul style="list-style-type: none"> <li>Conduct air monitoring near <del>these two facilities</del> <u>Robertson's Ready Mix and Vulcan Materials</u> in <del>one</del> year <u>one</u></li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>2020, hold a public outreach event for the first year on requirements for Rules 402, 403, 1155, and 1157, and the South Coast AQMD's complaint process. Reevaluate annually, if additional annual outreach events are necessary</li> <li>Fall 2019, begin air monitoring activities</li> <li>Mid-2020, begin quarterly or biannual updates to the CSC on outreach and enforcement activities, or if new information becomes available</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Conduct community outreach on Rules 402, 403, 1155, and 1157, and South Coast AQMD's complaint system</li> <li>Conduct <u>air</u> monitoring and follow-up with enforcement actions, as needed</li> <li>Provide updates to CSC</li> </ul>
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>Requirements for Rule 402 (Nuisance): <a href="http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf">http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf</a></li> <li>Requirements for Rule 403 (Fugitive Dust): <a href="https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf">https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf</a></li> <li>Requirements for Rule 1155 – Particulate Matter (PM) Control Devices: <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1155.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1155.pdf</a></li> <li>Requirements for Rule 1157 - PM10 Emission Reductions from Aggregate and Related Operations: <a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1157.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1157.pdf</a></li> <li>Smoke, Dust, and Odor Complaints: <a href="http://www.aqmd.gov/home/air-quality/complaints/smoke-dust-odor">http://www.aqmd.gov/home/air-quality/complaints/smoke-dust-odor</a></li> </ul>	

## References

- Elsevier B.V., Concrete Production, <https://www.sciencedirect.com/topics/engineering/concrete-production>, Accessed May 2019.
- South Coast AQMD, Rule 402 – Nuisance, <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>, Accessed May 2019.
- South Coast AQMD, Rule 403 – Fugitive Dust, <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf>, Accessed May 2019.

- 
4. South Coast AQMD, Rule 1155 – Particulate Matter (PM) Control Devices, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1155.pdf>, Accessed May 2019.
  5. South Coast AQMD, Rule 1157 – PM10 Emission Reductions from Aggregate and Related Operations, <https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1157.pdf>, Accessed May 2019.
  6. South Coast AQMD, Complaint System, <http://www.aqmd.gov/home/air-quality/complaints>, Accessed July 21, 2019.

---

# CHAPTER 5G:

## EXPOSURE REDUCTION FOR SENSITIVE POPULATIONS IN SCHOOLS, CHILDCARE CENTERS, AND HOMES

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5g: Schools, Childcare Centers, Community Centers, and Homes – Exposure Reduction

### Background

The San Bernardino, Muscoy community ~~ies~~ identified children's exposure to harmful air pollutants while at school as a priority. In addition, the community ~~with a~~ focused on children in schools, childcare centers, community spaces such as parks and community centers, and homes. A major pollutant of concern in this community is diesel particulate matter (DPM), generated by truck traffic, warehouses, and the railyards. The CSC also expressed concern about emissions from concrete batch, asphalt, and aggregate plants and the Omnitrans bus yard. Like many environmental justice communities, the San Bernardino, Muscoy community may experience a disproportionately high level of exposure to harmful pollutants. Children, seniors, and people with certain medical conditions are especially sensitive to the impacts of air pollution. ~~S. However,~~ proactive steps such as installing high performance air filtration systems inside school buildings and notifying the public when air quality is unhealthy can reduce a child's exposure to harmful air pollutants.

### Community Air Quality Priority – Reducing Exposures at Schools, Childcare Centers, Preschools, Community Centers, and Homes

CSC members identified schools, including charter schools, and other places where children spend a lot of time (e.g., childcare centers, preschools, parks and community centers) as places where the South Coast AQMD should focus on reducing exposure to harmful air pollutants. The CSC provided examples of air pollution sources, such as the idling of diesel trucks, and dust from cement and asphalt batch plants, that are near schools, parks, and community centers where residents are exposed to harmful air pollutants found in diesel exhaust. The CSC members also shared instances where students and other sensitive populations near sources of air pollution experienced health problems. Table 5-1 is a list of public charter schools that are in the San Bernardino, Muscoy community, as an area to focus emission reduction efforts.

Table 5g-1. Public Charter Schools in the San Bernardino, Muscoy Community

Name of School	
Ballington Academy	PAL Charter
Hardy Brown College Prep	PAL Charter Academy
Options for Youth-I	SOAR Charter Academy
	Woodward Leadership Academy

To address community concerns about the health impacts of air pollution, CSC members prioritized installing school air filtration systems, implementing electric school buses, modifying routes for trucks to avoid schools, childcare centers, and community centers, and community outreach and engagement as ways to reduce exposure to harmful air pollutants. This includes providing information, including ~~proactive~~ steps that can be taken to reduce exposure, to schools, childcare centers, preschools, and community centers, when outdoor air pollution levels are unhealthy. The CSC expressed support for implementing an air quality flag program in schools. Other input includes increasing the amount of green space, such as planting trees around the community, specifically around warehouse centers and railyards.

The CSC identified investing in green spaces as a strategy to improve health outcomes. Green spaces may be beneficial to addressing cumulative health impacts within vulnerable communities. They can provide shade, reduce stress, encourage physical activity, and promote overall positive health outcomes.<sup>1</sup>

The CSC asked for the Community Emission Reduction Plan to focus installation of school and residential air filtration systems at locations close to major sources of diesel PM and dust. Specific locations mentioned as priorities included schools near the Omnitrans bus yard, railyards (including BNSF), concrete and asphalt batch plants, and surface quarries. Arroyo Valley High School was cited as one example of a school that experienced fugitive dust problems from a nearby concrete batch plant facility; and air filtration systems were installed in 2012.

### Ongoing Efforts

#### *School Air Filtration ~~Program~~ Efforts*

The installation of air filtration systems in schools can reduce exposure to air pollution inside school buildings. There are certain types of air filtration systems (“high efficiency air filters”) that are effective in filtering very small particles from diesel engines and other sources. Small particles can be inhaled deep into the lungs and cause health problems. These filtration systems may be beneficial to schools located near freeways, truck routes, rail yards, concrete and asphalt batch plants and other sources<sup>2</sup> of diesel emissions.

South Coast AQMD has helped ~~to~~ install air filtration systems at schools in the San Bernardino Unified School District since 2012. To date, South Coast AQMD has provided funds for the installation of these systems at four schools and one community center within the San Bernardino, Muscoy community. Figure 5-1 shows a map of the schools and community centers that have air filtration systems completed within this community, and Table 5-2 provides a list of these schools and community center.

#### *Environmental Justice Community Partnership (EJCP)<sup>3</sup> and Clean Air Ranger Education (CARE)<sup>4</sup>*

The EJCP is designed to build relationships with community members and organizations to achieve clean air and healthy, sustainable communities. The Clean Air Ranger Education (CARE)

Pilot Program is a program designed for elementary school education and includes topics on air pollution ~~and~~ ~~and~~ health, air quality flags, and zero-emission technologies.

*Why Air Quality Matters (WHAM) High School Education Program*

The South Coast AQMD is implementing Why Air Quality Matters (WHAM), a Science, Technology, Engineering, and Math (STEM) and experiential learning based curriculum, in high schools located within environmental justice communities. WHAM will increase teacher and student awareness on air quality issues in their communities and beyond through activities and experiments, including measuring PM using low-cost hand-held sensors.

*U.S. EPA STAR Grant Program<sup>5</sup>*

The South Coast AQMD Air Quality Sensor Performance Evaluation Center (AQ-SPEC) has engaged a number of schools in the San Bernardino, Muscoy area under the U.S. EPA STAR Grant, “Engage, Educate and Empower California Communities on the Use and Application of ‘Low Cost’ Air Monitoring Sensors.” Under this grant, AQ-SPEC has installed sensors for measuring particulate matter (PM<sub>2.5</sub>), nitrogen oxides (NO<sub>2</sub>) and ozone at two schools within this community: San Bernardino High School and Arroyo Valley High School.

Figure 5g-1: Map of schools and community centers in San Bernardino, Muscoy with air filtration systems installed-facilitated by South Coast AQMD through the South Coast AQMD program

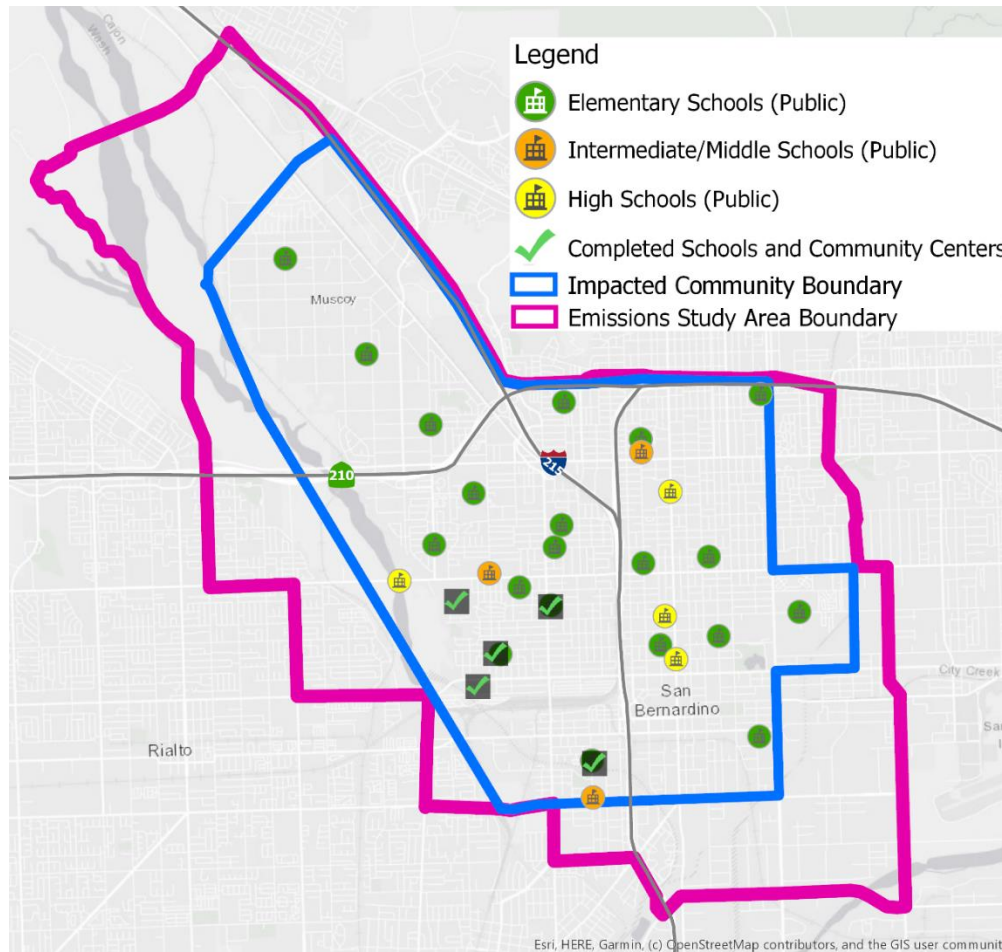


Table 5g-2: List of schools and community centers in San Bernardino, Muscoy with air filtration systems facilitated by South Coast AQMDList of schools and community centers in San Bernardino, Muscoy with air filtration systems installed through the South Coast AQMD program

Name of School or Community Center	
Arroyo Valley High School	Mt. Vernon Elementary School
Lytle Creek Elementary School	Ramona Alessandro Elementary School
Ruben Campos Community Center	



### Opportunities for Action

CSC members expressed a desire to have residential air filtration systems for homes located near major sources of pollution, such as the BNSF railyard. While the South Coast AQMD does not currently have an active program to provide residential filtration systems<sup>i</sup>, staff will work with its partners to identify potential opportunities for residential filtration systems and share this information with the CSC. In addition to air filtration systems, the CSC prioritized education and outreach as a way to reduce exposure to harmful air pollutants. In addition, in Chapter 5b: Neighborhood Truck Traffic, Action 3, describes actions to provide data on truck traffic and potential emissions near schools and residences, which may be useful to support decision-making for truck routing. CSC members also would like to replace existing school buses with near zero- or zero-emission school buses. Some existing funds for school buses may be limited to replacing buses ~~with~~ exclusively for public entities. Regardless, South Coast AQMD will continue to partner with entities to identify new or existing programs of funding to replace existing school buses with near zero- or zero-emission school buses, as seen below in Action #5.

<b>Action 1: Reduce Exposure to Harmful Air Pollutants through Public Outreach</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>• Provide air quality related programs to schools, including the Environmental Justice Community Partnership (EJCP), Clean Air Ranger Education (CARE) program (which includes air quality flag <u>information</u>s), and Why Air Quality Matters (WHAM) program</li> <li>• Partner with the San Bernardino County Department of Public Health to provide information on how to receive air quality advisories, and how to reduce exposure to air pollution, particularly for sensitive populations</li> <li>• Partner with community-based organizations such as Center for Community Action and Environmental Justice (CCA EJ), <u>the Chicano Indigenous Community for Culturally Conscious Advocacy &amp; Action (ChICCCAA)</u> and/or Arrowhead Regional Medical Center (ARMC) to share information <del>or provide outreach</del> to schools for asthma-related programs</li> <li>• Partner with Safe Routes to School to provide information on programs such as walkability and active transportation</li> <li>• Work with appropriate parties to negotiate access to conduct school-based air monitoring <u>and conduct air monitoring</u></li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> <li>• <u>Air Monitoring</u></li> </ul>	
<b>Goals:</b>	

<sup>i</sup> The South Coast AQMD will work with CARB's Indoor Air Quality program and its contractor to identify effectiveness of and opportunities for residential filtration and share this information with the CSC.

<ul style="list-style-type: none"> <li>• Participate in six public outreach events (e.g., health fairs, community events) during the implementation period of this CERP and provide air quality related information to reduce exposure</li> <li>• <u>Provide information relating to air quality effects on young children and reducing exposure to facilities where children are located (e.g. preschools, childcare centers, charter schools, etc.). Outreach will be prioritized based on CSC input during the implementation of the CERP.</u></li> <li>• <del>Provide 11 childcare centers during the implementation period of this CERP with information relating to air quality effects on young children and reducing exposure, prioritizing centers based on CSC input</del></li> <li>• Present CARE and WHAM programs in at least two schools during the <u>implementation period of this CERP, with the possibility of continuing for up to three years</u></li> <li>• Collaborate with community-based organizations (e.g., ChICCCAA, CCAEJ) and <u>engage in co-host outreach meetings</u></li> <li>• <u>Conduct school-based air monitoring</u> <del>Work with appropriate entities to negotiate access to conduct school-based air monitoring</del></li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>• During the 2019-2020 school year, begin working on providing air quality related programs to schools (e.g., CARE and WHAM program)</li> <li>• Fourth quarter of 2019, begin working with Department of Public Health on developing outreach materials</li> <li>• Early 2020, begin outreach efforts with community-based organizations</li> <li>• Fourth quarter of 2019, begin partnering with Safe Routes Partnership to provide information on programs</li> <li>• Late 2019, begin to conduct school-based air monitoring at or near schools</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Implement EJCP CARE program and WHAM program <del>at the schools and</del> <u>provide information relating to air quality effects on young children and reducing exposure.</u> <u>Prioritize implementation based on CSC input</u></li> <li>• Partner with community-based organizations and/or local entities on asthma-based programs and air quality notifications that inform the community about proactive steps to reduce exposure to harmful air pollutants</li> <li>• <u>Collaborate with organizations to implement outreach events</u></li> <li>• <u>Collaborate with community-based organization and co-engage in outreach meetings</u></li> <li>• <u>Work with appropriate entities to negotiate access to conduct school-based air monitoring</u></li> </ul>

	<ul style="list-style-type: none"> <li>• <u>Conduct school-based air monitoring</u></li> </ul>
San Bernardino County Department of Public Health	Partner with South Coast AQMD on notifications to schools for air quality advisories
Arrowhead Regional Medical Center (ARMC) and other community-based organizations (with asthma-related programs)	Partner with South Coast AQMD to share information and/or provide outreach to schools for asthma-related programs
Additional Information:	
<ul style="list-style-type: none"> <li>• Arrowhead Regional Medical Center (ARMC)'s BreathMobile program: <a href="https://www.arrowheadmedcenter.org/srvOutBreathMobile.aspx">https://www.arrowheadmedcenter.org/srvOutBreathMobile.aspx</a></li> </ul>	

## Action 2: Reduce Exposure to Harmful Air Pollutants at Schools, Childcare Centers, and Community Centers

### Course of Action:

- Work with appropriate entities to implement the installation of high efficiency air filtration systems. ~~Works by working~~ with the community to prioritize schools, childcare centers, and community centers near truck routes, railyards, and concrete batch plants<sup>ii</sup>
- Work with appropriate agencies ~~toward to replacing~~ filters at schools with air filtration systems and installation at schools without these systems

### Strategy:

- Exposure Reduction

### Goal:

- Installation of air filtration systems in schools<sup>iii</sup>, childcare centers, and community centers with priority given to schools located in areas with high diesel PM levels and ~~in close proximity~~ close to facilities identified as a priority by the CSC

### Estimated Timeline:

<sup>ii</sup> Public schools, including charter schools, childcare centers, and public community centers, are eligible for the South Coast AQMD program.

<sup>iii</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continued to be provided to schools that have had air filtration systems installed. The CSC will need to prioritize ~~the which schools receive air filtration systems at schools~~ and work with local school districts to establish Memorandums of Understanding (MOUs) with the South Coast AQMD.

<ul style="list-style-type: none"> <li>Starting <del>mid-2020 through the implementation period of the CERP</del>, work with appropriate agencies to install high efficiency air filtration systems at schools and replacing filters at schools with <u>existing</u> air filtration systems <del>and installation at schools without these systems during the implementation period of this CERP</del></li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Implement air filtration systems and replacement filters at schools, childcare centers, and community centers</li> <li>Work with local school districts to establish Memorandums of Understanding (MOUs)</li> </ul>
CSC	Prioritize which schools receive air filtration systems
Additional Information:	
<ul style="list-style-type: none"> <li>Air filtration systems in schools: <a href="https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf">https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf</a></li> </ul>	

### Action 3: Reduce Exposure to Harmful Air Pollutants at Homes<sup>iv,v</sup>

#### Course of Actions:

- Identify new or existing technologies, programs, and funding sources that can provide the most effective air filtration systems in homes<sup>vi</sup>
- Seek potential partners or funding opportunities to improve weatherization in the homes to help improve the efficiency of the air filters

#### Strategies:

- Exposure Reduction
- Incentives
- Public Information and Outreach

#### Goals:

<sup>iv</sup> Air filtration systems will generally be less effective due to lower energy efficiency of older, pre-2006 homes typically found in Environmental Justice or disadvantaged communities. ~~due to lower energy efficiency typically found in Environmental Justice or disadvantaged communities.~~ Limited research on the efficiency of high performance air filtration systems in older homes suggests a 25% – 30% lower efficiency for PM<sub>2.5</sub> and ultrafine PM is expected, which is comparable to having open doors and windows. Most data collected on efficiency of high performance air filtration systems has been on 2006 and new homes, showing an average removal efficiency of 90% for PM<sub>2.5</sub> and ultrafine PM.

<sup>v</sup> ~~CARB has not approved AB 617 funds for r~~Residential air filtration systems. ~~have not been approved by CARB.~~ The South Coast AQMD plans to continue to work with them to establish a protocol where residential air filtration systems can be installed using CARB funds.

<sup>vi</sup> If a funding source is identified, South Coast AQMD will provide information on such funds. Homeowners should install residential air filtration based on the guidelines outlined by the funding source.

<ul style="list-style-type: none"> <li>Partner with appropriate entities to determine new or existing programs that can provide home filtration systems <u>and weatherization</u></li> <li>If funding or programs become available, share information with CSC</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify any new or existing home air filtration programs</li> <li>If opportunities are identified for residential filtration systems, provide updates to the CSC</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide home air filtration resources or home weatherization resources</li> <li>Conduct outreach and share information with CSC members, if this becomes available</li> </ul>
<b>Additional Information:</b>	
N/A	

<b>Action 4: Increase Green Space in Areas Where People Spend Time</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for tree planting. If funding or programs become available, share information with CSC members</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> <li>Collaboration</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>Partner with other entities to determine new or existing sources or programs that can provide funding <del>to coordinate for</del> tree planting. If funding or programs <del>become</del> <u>are</u> available, share information with CSC members</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify <del>any existing</del> funding sources for tree planting or increasing green space</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for tree planting</li> </ul>

	<ul style="list-style-type: none"> <li>Conduct outreach and share information with CSC , when opportunities are available</li> </ul>
Additional Information:	
N/A	

Action 5: Replace Older School Buses	
Course of Action:	
<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for alternative-fueled school buses</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> </ul>	
Goals:	
<ul style="list-style-type: none"> <li>Partner with other entities to determine new or existing sources or programs that can provide funding for near zero or zero-emission school buses</li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>Mid-2020, consult and work with appropriate stakeholders to identify any existing funding sources or programs for replacing school buses with near-zero or zero-emission school buses</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding alternative-fueled school buses</li> <li>Work with appropriate entities to replace existing school buses with near zero or zero-emission school buses</li> <li>Provide updates to -CSC, when new or existing sources that can provide funding for alternative-fueled school buses (e.g., electric buses) are available</li> </ul>
Additional Information:	
N/A	

## References

1. The California Healthy Places Index, Tree Canopy, 2019, <https://healthyplacesindex.org/policy-actions/tree-canopy/>, Accessed June 13, 2019.
2. Polidori, A., et al. "Pilot Study of High-Performance Air Filtration for Classroom Applications." *Indoor Air*, vol. 23, no. 3, 2012, pp. 185–195., doi:10.1111/ina.12013

3. South Coast AQMD, Environmental Justice Community Partnership, <http://www.aqmd.gov/ejcp>, Accessed June 6, 2019.
4. South Coast AQMD, Environmental Justice Community Partnership Advisory Council, June 2019, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf>, Accessed June 6, 2019.
5. South Coast AQMD, Air Quality Sensor Performance Evaluation Center, <http://www.aqmd.gov/aq-spec/research-projects>, Accessed June 14, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK



---

# CHAPTER 5H:

## IMPLEMENTATION SCHEDULE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5h: Implementation Schedule

The Community Steering Committee (CSC) developed a set of priorities and actions to be implemented by government agencies, organizations, businesses, and other entities to reduce air pollution in their community. The implementation period of the actions in this CERP is expected to be approximately five years. The actions will occur during the timeframe of the plan; however, some actions by South Coast AQMD will be ongoing (e.g., certain regulatory, enforcement, and incentive activities). Rules<sup>1</sup> that are adopted or amended will continue to be in effect past the implementation period of the CERP, as will enforcement of rules to ensure applicable facilities are in compliance. Additionally, some actions in the CERP are designed to allow for minor adjustments when new information becomes available. For example, based on initial air monitoring results, the CSC may refine specific strategies to focus on sources that show elevated emissions. Allowing for these types of adjustments will enable the plan to be successfully implemented.

Each action contains goals and estimated timelines. The goals include metrics designed to measure the progress of the CERP. Examples of these metrics are quarterly enforcement sweeps and emission reduction targets. Beginning in 2021, the South Coast AQMD staff will provide an annual update to the CSC on the progress of meeting these goals.

An overview of the schedule for implementing the actions in the CERP is in Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities and Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions. Figure 5h-1 covers rule development activities to address air quality priorities in the CERP, and Figure 5h-2 provides a timeline for air monitoring, enforcement, incentives, outreach, and other activities.

---

<sup>1</sup> South Coast AQMD Governing Board or CARB will consider rules for adoption.

Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities




	2019	2020	2021-2022	2024-2030
	<p><del>Consider Warehouse Indirect Source Rule (ISR)</del></p>	<ul style="list-style-type: none"> <li>• <u>Consider Railyard ISR</u></li> <li>• <u>Consider Warehouse Indirect Source Rule (ISR)</u></li> </ul>	<ul style="list-style-type: none"> <li>• Participate in CARB's rule development applicable to this plan</li> </ul>	
		<ul style="list-style-type: none"> <li>• CARB to consider:               <ul style="list-style-type: none"> <li>– Heavy-Duty Low NOx Rule</li> <li>– Transport Refrigeration Unit Regulation Rule</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• CARB to consider:               <ul style="list-style-type: none"> <li>– Drayage Truck Rule</li> <li>– Zero-Emission Fleet Rule</li> <li>– Cargo Handling Equipment Rule</li> <li>– Potential new locomotive regulations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Phase-in CARB Regulations including:               <ul style="list-style-type: none"> <li>– Drayage Truck Rule</li> <li>– Advanced Clean Truck Rule</li> <li>– Zero-Emission Fleet Rule</li> <li>– Heavy-Duty Low NOx Rule</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>• U.S. EPA to release Draft Clean Truck Initiative</li> </ul>		<ul style="list-style-type: none"> <li>• Phase-in U.S. EPA's Cleaner Truck Initiative</li> </ul>

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

	2019	2020	2021
Omnitrans Bus Yard	<ul style="list-style-type: none"> <li>Begin mobile air <del>monitoring</del> <u>measurements</u></li> </ul>	<ul style="list-style-type: none"> <li>Begin quarterly updates to CSC</li> </ul>	<ul style="list-style-type: none"> <li>Replace fleet with electric buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040)</li> <li>Provide annual updates to the CSC on Omnitrans' transition to zero-emission buses</li> </ul>
Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants	<ul style="list-style-type: none"> <li>Begin air <del>monitoring</del> <u>measurements</u> activities</li> </ul>	<ul style="list-style-type: none"> <li>Begin to provide periodic updates to the CSC, as needed</li> <li>Hold public outreach event to provide information on South Coast AQMD's rules and complaint process</li> </ul>	
Warehouses	<ul style="list-style-type: none"> <li>Hold a meeting in the Inland Empire to discuss proposed Warehouses ISR</li> <li>Begin mobile air <del>monitoring</del> <u>measurements</u></li> </ul>	<ul style="list-style-type: none"> <li>Begin to work with appropriate entities to develop standards for new warehouse projects</li> <li>Begin to develop preliminary design standards for electrical infrastructure for new warehouse projects</li> <li>Begin quarterly <u>air</u> monitoring updates to CSC, as needed</li> </ul>	<ul style="list-style-type: none"> <li>Provide biannual updates to the CSC on the status of the development of standards for new warehouse projects</li> <li>Identify potential sites for installation of electrical infrastructure</li> </ul>

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions (Continued)

	2019	2020	2021
Trucks	<ul style="list-style-type: none"> <li>• Begin working with CARB on quarterly targeted sweeps and focused inspections</li> <li>• <u>Identify additional funding opportunities to accelerate cleaner technology</u></li> <li>• <u>Develop an ALPR privacy policy in compliance with Civil Code Section 1798.90.5, et seq. and hold a public hearing to provide the public an opportunity to comment on the proposed program</u></li> <li>• Preliminary work on Automated License Plate Reader (ALPR) deployment</li> <li>• Begin mobile <del>monitoring</del> <u>air measurements</u> to characterize truck traffic impact in this community and identify hot spots</li> </ul>	<ul style="list-style-type: none"> <li>• Begin to conduct outreach (e.g., incentives, ordinances)</li> <li>• Prioritize locations for ALPR</li> <li>• Begin to identify opportunities to develop enforceable truck routes and designated truck parking areas</li> <li>• Collaborate on outreach</li> <li>• Provide <u>air</u> monitoring updates to CSC</li> </ul>	<ul style="list-style-type: none"> <li>• Begin implementation of ALPR systems, including compiling data and using data for targeted outreach for incentives</li> <li>• Provide quarterly or biannual updates on identified locations of concerns and data collected to the CSC</li> </ul>
Railyards	<ul style="list-style-type: none"> <li>• Begin <del>air monitoring</del> <u>measurement</u> activities</li> <li>• Continue to support CARB's petition to the U.S. EPA for new national locomotive standards</li> </ul>	<ul style="list-style-type: none"> <li>• BNSF to replace diesel-fueled equipment with cleaner technologies</li> <li>• Begin quarterly <u>air</u> <del>monitoring</del> <u>measurement</u> updates to CSC, as needed</li> </ul>	<ul style="list-style-type: none"> <li>• Begin working with local utilities and state agencies to encourage the installation of infrastructure at BNSF railyard</li> </ul>

	2019	2020	2021
Schools, Childcare Centers, Community Centers, and Homes	<ul style="list-style-type: none"> <li>• Begin school-based air monitoring at or near schools using sensors</li> <li>• Begin working with Department of Public Health on developing outreach materials</li> <li>• Begin partnering with Safe Routes Partnership to provide information on programs</li> </ul>	<ul style="list-style-type: none"> <li>• Begin working on providing air quality related programs to schools (e.g., CARE and Kids Making Sense program)</li> <li>• Begin outreach efforts with community-based organizations</li> <li>• Work with appropriate agencies toward the installation of high efficiency air filtration systems</li> <li>• Identify any new or existing funding sources for tree planting or increasing green space</li> <li>• Begin quarterly <u>air</u> monitoring updates to CSC, as needed</li> </ul>	

THIS PAGE IS INTENTIONALLY LEFT BLANK



---

# CHAPTER 5I:

## CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ANALYSIS SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5i: California Environmental Quality Act (CEQA) Analysis

The California Environmental Quality Act (CEQA) requires agencies to consider the environmental impacts of a proposed project. CEQA describes and imposes specific legal requirements that agencies must follow when evaluating and making decisions about whether a project will cause a significant environmental impact. The information below describes what South Coast AQMD staff has done and determined with respect to this project – the Community Emissions Reduction Plan (CERP). The information below does contain some legal terms because that is the language contained in the law and use of that language is part of how an agency demonstrates compliance with that law. As noted below, South Coast AQMD staff has looked at all aspects of the CERP and has determined that the CERP is exempt from the requirements of CEQA. The paragraphs below identify the exemptions that apply to the CERP. If the South Coast AQMD Board agrees with staff and determines that the CERP is exempt from CEQA, and approves the CERP, a Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside, and San Bernardino counties.

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the proposed project, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the overall purpose of this project is to improve the environment and health of residents of this selected community and all of the action items within the CERP to support this goal. Thus, the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The CERP contains elements that qualify as feasibility and planning studies, because information needs to be collected to make an informed decision about further action (e.g., rule development). However, the portions of the CERP that qualify as feasibility and planning studies do not prescribe or commit to specific rule requirements, nor have future actions been approved or adopted in advance, because they require an open public process. The regulated community, stakeholders, interested parties, and the public are invited to participate in the rule development process in a public forum. Thus, the portion of the CERP that contains action items which qualify as feasibility or planning studies is statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies.

Additionally, some of the action items in the CERP would require minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, and these action items are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 –

New Construction or Conversion of Small Structures. A portion of the action items within the CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. Another component of the action items in the CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, a portion of the action items within the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies.

South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, as mentioned above, the proposed project is exempt from CEQA. ~~A Notice of Exemption will be prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.~~

---

# CHAPTER 6:

## AIR MONITORING SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 6: Air Monitoring Summary

Air monitoring will be conducted in the San Bernardino, Muscoy community as part of the AB 617 program. Air monitoring can provide valuable information about sources of air pollution, types of pollutants, and air quality impacts in the community. Information that is collected from air monitoring can be used to implement and track air quality actions prioritized by the community that reduce local residents' exposure to harmful air pollutants.

### Chapter 6 Highlights

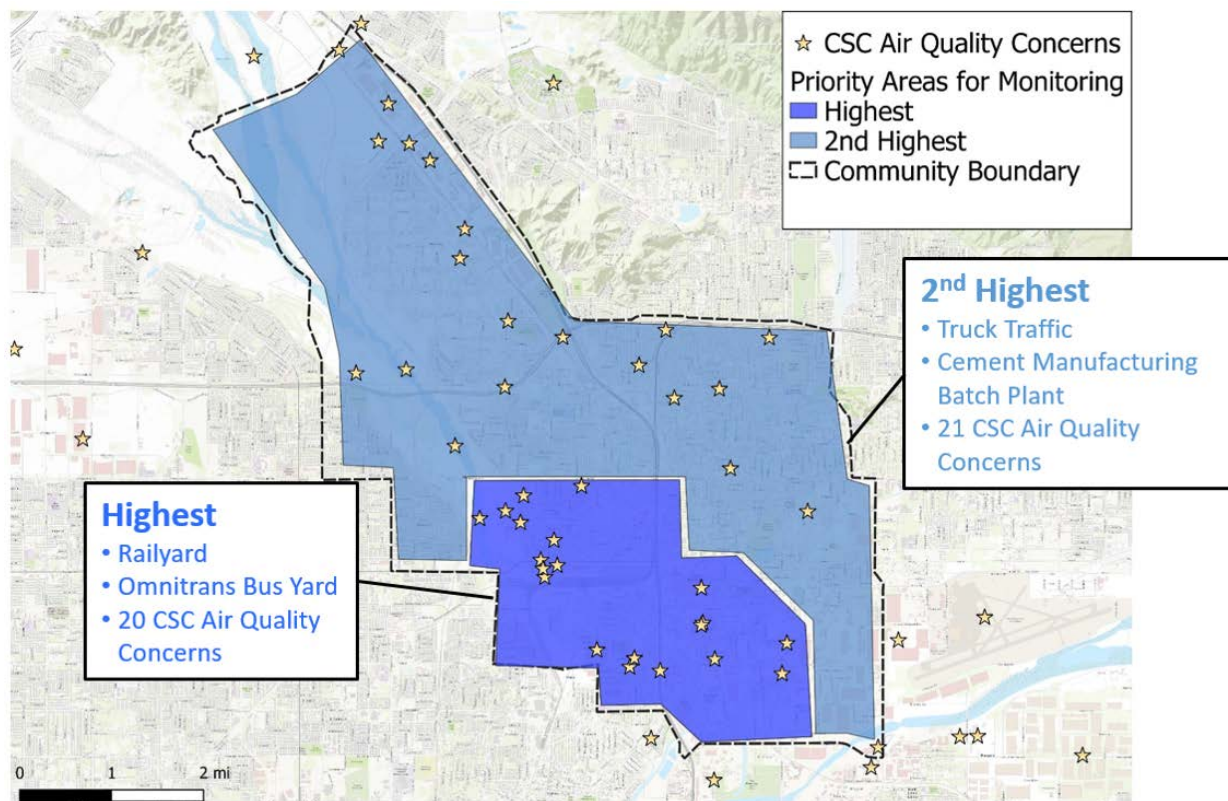
- Will provide new information about air pollution at the community level
- Monitoring will be done in areas of concern identified by the selected communities
- Areas selected for monitoring reflect the air quality priorities in AB 617 communities
- Many types of monitoring equipment will be used, from advanced techniques to low-cost sensors

The Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy community<sup>1</sup> was developed through close collaboration between the CSC and South Coast AQMD staff. The plan outlines the objectives and strategies for monitoring air pollution in the community based on the ~~CSC's~~ air quality priorities identified by the CSC. A detailed description for these priorities is available in the CAMP Appendix B.<sup>2</sup>

The San Bernardino, Muscoy community covers a large geographical area that is affected by a variety of air pollution sources. Consequently, multiple air monitoring methods are necessary to address the community's air quality priorities. These methods include mobile, fixed and low-cost sensor air monitoring. Mobile air monitoring can be conducted using real- or near real-time instruments to allow for wide scale community air pollution mapping, and provide more detailed information about air pollution levels at specific locations at specific times (i.e. higher spatial and temporal resolution). Fixed air monitoring can be strategically placed at specific locations near one or more air pollution sources of interest better characterize emissions in the community and assess residents' exposure to air pollution. Mobile and fixed air monitoring can be further enhanced with information from air quality sensors that provide real- or near-real time air pollution information. A benefit of these sensors compared to other monitoring technologies is that they can be installed in more places in the community thereby providing more detailed real-time air quality information. However, low-cost sensors are not as accurate as traditional monitoring techniques, and only measure a limited number of pollutants.

Figure 6-1 identifies areas where air monitoring will occur within the San Bernardino, Muscoy community. ~~The areas are prioritized based on input from the CSC about~~ ~~The CSC prioritized these areas based on~~ community air quality concerns and sources of air pollution. The monitoring areas and priorities can change based on the information gathered during monitoring, input from the community, and/or newly available data from different organizations. A discussion regarding air pollutants measurements and technologies that will be deployed in these areas is provided in the CAMP. The air monitoring strategies outlined in the CAMP may be updated based on future community input, air monitoring results, and other information gathered through implementation of AB 617. Updates to air monitoring strategies will be presented to the CSC for input.

Figure 6-1. Proposed Monitoring Areas Prioritized Based on the Relative Density of Air Quality Concerns in the SBM Community



## References

1. AB 617 Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy Community: [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6).



- 
2. AB 617 Appendices for the Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy Community: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b-sbm.pdf?sfvrsn=6>.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 2

The San Bernardino, Muscoy (SBM) community Outreach Summary includes an overview of the public engagement efforts and the Community Steering Committee (CSC) process that has been integral in the development of the CERP. This Appendix contains additional information on committee documents, meeting materials, and additional community engagement. Many of these materials are posted on this community's webpage:

<http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/san-b>

### Charter

A Charter was developed by South Coast AQMD staff with CSC member input to describe committee objectives, roles and responsibilities, meeting frequency, meeting dates, times, and locations, etc. The Charter is available here:

English: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-english.pdf?sfvrsn=8>

Spanish: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-spanish.pdf?sfvrsn=8>

### Agendas

All meeting agendas are posted on the community webpage. Copies of the agendas are also attached.

### Sign-In Sheets

At every CSC meeting, members of the CSC and public were requested to sign in. Copies of the sign-in sheets are attached.

### Meeting Dates, Times, Location, and Meeting Materials

Recent and upcoming activities regarding the SBM community, including interactive maps, the discussion draft of the CERP and CAMP, all meeting invitations, presentations, materials and summary notes can be found on community webpage.

Specific links for meeting flyers, presentations, and meeting summaries are listed below:

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
Public Workshop Community Kick-Off Meeting	October 9, 2018 at the Ruben Campos Community Center, San Bernardino	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/san-bernardino-kickoff.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/san-bernardino-kickoff.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-san-bernardino.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-san-bernardino.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-san-bernardino-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-san-bernardino-span.pdf?sfvrsn=8</a>	n/a
1	November 8, 2018 Ruben Campos Community Center, San Bernardino	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-nov-8-2018.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-nov-8-2018.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation-span.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-b-summary-nov8-2018.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-b-summary-nov8-2018.pdf?sfvrsn=9</a>
2	January 17, 2019 Muscoy PAL Center, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/prese">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/prese</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-jan17-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-jan17-2019.pdf?sfvrsn=8</a>

			<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer---jan-17-2019.pdf?sfvrsn=10">committee-meeting-flyer---jan-17-2019.pdf?sfvrsn=10</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8">ntation-jan17-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8</a>	
3	February 21, 2019 Muscoy PAL Center, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-feb21-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-presentation-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-presentation-feb21-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-de-la-reunion-feb21-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-de-la-reunion-feb21-2019.pdf?sfvrsn=9</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-feb21-2019.pdf?sfvrsn=8</a>
4	March 21, 2019 San Bernardino Valley College, San Bernardino	80	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-march21-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-march21-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-march21-2019.pdf?sfvrsn=8</a>
5	April 18, 2019	70	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer---april-18-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer---april-18-2019.pdf?sfvrsn=6</a>	English:	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8</a>

## Appendix 2-3

	PAL Center, San Bernardino		<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6">source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=15">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=15</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8">source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8</a>
6	May 16, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-may16-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-may16-2019.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-may16-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-may16-2019.pdf?sfvrsn=8</a>
7	June 20, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-june20-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-june20-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019-span.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019-span.pdf?sfvrsn=6</a>	tbd
CERP Public Workshop / CSC #8	July 18, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-july18-">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-july18-</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-july18-">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-july18-</a>	tbd



			<a href="#">2019.pdf?sfvrsn=14</a>	<a href="#">ntation-july18-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-spanish-july18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-spanish-july18-2019.pdf?sfvrsn=8</a>	
9	August 15, 2019 San Bernardino Valley College, San Bernardino	<del>55</del> tbd	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-aug15-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-aug15-2019.pdf?sfvrsn=8</a> tbd	<del>tbd</del> English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-aug5-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-aug5-2019.pdf?sfvrsn=9</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-aug15-2019.pdf?sfvrsn=10">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-aug15-2019.pdf?sfvrsn=10</a>	tbd
10	September 19, 2019 San Bernardino Valley College, San Bernardino	tbd	tbd	tbd	tbd

## Interpreters

The following California Certified Interpreters were contracted to provide services at the meetings.

- Gloria Carrallo
- Patricia Chavez
- Monica Desiderio
- Astrid Estrada
- Martha Falencik
- Alejandro Franco

- Carmen Garza
- Consuelo V. Gonzalez
- Cecilia Ibarra
- Estela Moll
- Yolanda Ramirez
- Madeline Rios

### Additional Outreach

South Coast AQMD staff had more than 35 in-person or phone meetings with CSC members as well as members of the community. The list below provides some information about meetings that staff have had, as of the date of this document. Additional phone calls and conversations with CSC members and members of the committee also took place, but not all these conversations are documented here.

Date	Meeting
10/3/18	Call with SB County Dept. of Public Health
11/28/18	Call with Luis Portillo (Inland Empire Economic Partnership)
12/1/18	In-person meeting with Ericka Flores, Andrea Vidaurre and Las Chicas
1/11/19	In-person meeting with Miguel Rivera
1/30/19	Call with Andrea Vidaurre
2/7/19	Call with Miguel Rivera
2/8 /19	Call with Maria Corona
2/8/19	Call with Graciela Regalado
2/8/19	Call with Lorena Rodarte
2/8/19	Call with Ada Trujillo
3/6/19	Call with Angelica Balderas
3/21/19	Call with Jane Hunt-Ruble
3/14/19	Call with Matt Abularach-Macías
4/3/19	Call with Angelica Balderas
4/9/19	In-person meeting with Ericka Flores, Andrea Vidaurre, and Miguel Rivera
4/9/19	In-person meeting with SBDPH (Bernadette Beltran), SB City (Chantal Power) and County (Lisha Smith)
4/22/19	Call with Ericka Flores and Andrea Vidaurre
4/24/19	Presented information about AB 617 CERP development at the South Coast AQMD Young Leaders Advisory Council meeting
5/1/19	Conference call with SB City Public Works
5/2/19	Conference call with Omnitrans
5/2/19	Call with SB County DPH (Bernadette Beltran)
5/3/19	Call with Angelica Balderas

### Appendix 2-6

5/6/19	Call with Ericka Flores
5//19	In-person meeting with Tammy Yamasaki
5/16/19	Call with Jane Hunt-Ruble
5/23/19	In-person meeting with Ericka Flores, Andrea, Miguel and Las Chicas
5/?/19	Call with Mary Valdemar
5/23/19	In-person meeting with Otis Greer & co. from SBCTA
5/29/19	Call with Matthew Taylor
5/29/19	Call with Valerie Dobesh
5/31/19	Call with Angel Rodriguez
5/31/19	Small group in-person meeting with Matthew, Jason Martinez, Mary Valdemar, Ryan Sinclair, Valerie Dobesh
6/4/19	Call with James Albert
6/5/19	In-person meeting with Miguel Rivera and Abram Gastelum
6/?/19	Call with Tammy Yamasaki
6/?/19	Call with Ryan Sinclair
6/5/19	In-person meeting with B.J. Patterson
6/12/19	Conference call with Demi Espinoza
6/20/19	Call with Jane Hunt-Ruble
6/20/19	Call with Matt Abularach-Macías
7/1/19	Call with Otis Greer from SBCTA
7/1/19	Call with Ryan Sinclair from LLU
<u>8/3/2019</u>	<u>Call with Andrea Vidaurre from CCAEJ</u>
<u>8/15/2019</u>	<u>Call with Jason Martinez from ChiCCCAA</u>
<u>8/23/2019</u>	<u>Call with Graciela Regalado</u>



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #1

Thursday, November 8<sup>th</sup>, 2018 — 6:00 p.m. - 8:00 p.m.  
Ruben Campos Community Center - 1717 W. 5th St. San Bernardino, CA 92411

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open	Reception table	
6:00 pm	Welcome and Introductions	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members	
6:10 pm	AB 617 Program Overview, Community Steering Committee Role and Expectations	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	To know what we are working on, the timeline, and what we are expected to do.
	Air Pollution Background	Philip Fine (Deputy Executive Officer, Planning, Rule Development & Area Sources)	To be able to use the same words (terms) in our discussions, and to understand the process that we go through to clean the air. To help identify what air pollution is in this community, and what are the sources.
6:25 pm	Air Quality Concerns Mapping Activity	SCAQMD Staff, Committee Members, and Members of the Public	To help us understand this community's air quality concerns
7:00 pm	Community Boundaries	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	To help guide where we focus resources from the AB 617 program
7:10 pm	Clean Air Incentives	Yvonne Sanchez (Air Resources Engineer, California Air Resources Board)  Mei Wang (Program Supervisor, Science and Technology Advancement)	To show some of the work we are already doing in this community to help clean the air, and to let people know how to submit ideas on how to spend incentive money to make facilities cleaner.
	Steering Committee Charter and Considerations	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members	To talk about the CSC charter and other things to make this committee more effective.
7:35 pm	Public Comment		
	Next Steps	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	
8:00 pm	Adjourn		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #2

Thursday, January 17, 2019 — 6:00 p.m. – 8:00 p.m.  
Muscoy PAL Center  
2450 Blake St. Muscoy, CA 92407

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open  Poster session – Monitoring Technologies		
6:00 pm	Welcoming Remarks, and Meeting Expectations – 5 min	Miguel Rivera ( <i>Muscoy Resident, Cohost</i> )	<ul style="list-style-type: none"> <li>Set expectations for this meeting</li> </ul>
6:05 pm	Meeting Overview, Air Quality Concerns and Community Boundaries, continued committee discussion and input – 60 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Requested by CSC members</li> <li>Help us understand this community's air quality concerns, and start thinking of which concerns can be addressed through AB 617</li> <li>Provide input on community boundaries, which will help guide technical analysis and prioritization of air quality concerns in this community</li> </ul>
7:05 pm	STRETCH BREAK - 5 min		
7:10 pm	Community Air Monitoring and committee Q&A – 30 min	Andrea Polidori ( <i>Atmospheric Measurements Manager, Science &amp; Technology Advancement</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Requested by CSC members</li> <li>Provide ideas for what monitoring we may want to do through AB 617</li> </ul>
7:40 pm	CSC Charter and Next Steps – 5 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>Ask committee to sign charter</li> <li>Preview of next steps, next meeting topics</li> </ul>
7:45 pm	Public Comment – 15 min		
8:00 pm	Adjourn		



# Ley (AB) 617

## Iniciativas Comunitarias para el Aire

San Bernardino, Muscoy

### Reunión #2 del Comité Directivo Comunitario (CDC)

Jueves, 17 de enero, 2019 — 6:00 p.m. – 8:00 p.m.

Muscoy PAL Center

2450 Blake St. Muscoy, CA 92407

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas  Sesión de posters - Tecnologías de monitoreo		
6:00 pm	Expectativas de la reunión - 5 min	Miguel Rivera ( <i>Residente de Muscoy, co- anfitrión</i> )	<ul style="list-style-type: none"> <li>• Establecer expectativas para esta reunión.</li> </ul>
6:05 pm	Resumen de la reunión, Preocupaciones de la calidad del aire y límites de la comunidad, y seguir la discusión del comité para que nos den sugerencias - 60 min	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Ayúdenos a comprender las inquietudes sobre la calidad del aire de esta comunidad y empiece a pensar qué preocupaciones se pueden abordarse a través de AB 617</li> <li>• Proporcionar información sobre los límites de la comunidad, lo que ayudará a guiar el análisis técnico y la priorización de los problemas de calidad del aire en esta comunidad</li> </ul>
7:05 pm	DESCANSO PARA ESTIRARSE - 5 min		
7:10 pm	Control del aire comunitario y preguntas y respuestas del comité - 30 min.	Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Brindar ideas sobre qué tipo de monitoreo queremos hacer a través de AB 617</li> </ul>
7:40 pm	Carta del Acta y Próximos Pasos - 5 min	Jo Kay Ghosh ( <i>Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área</i> )	<ul style="list-style-type: none"> <li>• Pedirle al comité que firme la carta</li> <li>• Vista previa de los próximos pasos, temas para la próxima reunión</li> </ul>
7:45 pm	Comentario público - 15 min		
8:00 pm	Fin de la reunión		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #3

Thursday, February 21, 2019 — 6:00 p.m. – 8:00 p.m.  
Muscoy PAL Center  
2450 Blake St. San Bernardino, CA 92407

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	Welcoming Remarks – 5 min	Miguel Rivera ( <i>Co-host</i> )	
	Enforcement Overview – 5 min	Terrence Mann ( <i>Assistant Deputy Executive Officer, Compliance and Enforcement</i> )	<ul style="list-style-type: none"> <li>To help explain examples of enforcement strategies used by SCAQMD</li> </ul>
	Committee Questions on Enforcement – 5 min	<b>Committee Members only</b>	<ul style="list-style-type: none"> <li>Requested by CSC members</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>Strategies to Address Air Pollution Concerns – 10 min</li> <li>Air Pollution Emissions Data – 5 min</li> </ul>	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>To help with developing emission reduction plans in this community</li> <li>To understand where emissions come from in this community</li> </ul>
	Q & A on Strategies and Emissions Data – 5 min	<b>Committee Members and the public</b>	
6:35 pm	<ul style="list-style-type: none"> <li>Community Boundary and Prioritization of Air Quality Concerns – 10 min</li> <li>Prioritization Activity – 30 min</li> <li>Activity Report Back – 15 min</li> <li>Break – 5 min</li> <li>Activity Consensus Results Discussion – 10 min</li> </ul>	SCAQMD staff; Co-host  <b>Committee Members and the public</b>	<ul style="list-style-type: none"> <li>Helps SCAQMD prioritize the top air quality concerns from the community</li> <li>Helps guide the SCAQMD's focus for the community emission reduction plans</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Miguel Rivera ( <i>Co-host</i> )	
7:50 pm	Public Comment – 10 min	Members of the public, moderated by Co-host	
8:00 pm	Adjourn		



# Ley(AB) 617

## Iniciativas Comunitarias del Aire

San Bernardino, Muscoy

### Reunión del Comité Directivo Comunitario # 3

Jueves, 21 de Febrero del 2019 — 6:00 p.m. – 8:00 p.m.

Muscoy PAL Center

2450 Blake St. San Bernardino, CA 92407

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	Bienvenida e introducción del facilitador – 5 min	Miguel Rivera ( <i>Co-anfitrión</i> )	
	Perspectiva general de la ejecución de la ley – 5 min  Preguntas y respuestas sobre la ejecución del comité – 5 min	Terrence Mann ( <i>Subdirector Ejecutivo Adjunto, Cumplimiento y Cumplimiento</i> )  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Para ayudar a explicar ejemplos de estrategias de ejecución utilizadas por SCAQMD</li> <li>• Solicitado por miembros de CSC</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>• Estrategias para abordar los problemas de contaminación del aire – 10 min</li> <li>• Datos de emisiones de contaminación del aire. – 5 min</li> </ul>	Jo Kay Ghosh ( <i>Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área</i> )	<ul style="list-style-type: none"> <li>• Ayudar con el desarrollo de planes de reducción de emisiones en esta comunidad.</li> <li>• Comprender de dónde provienen las emisiones en esta comunidad.</li> </ul>
	Preguntas y respuestas sobre estrategias y datos de emisiones. – 5 min	<b>Miembros del comité</b>	
6:35 pm	<ul style="list-style-type: none"> <li>• Límites comunitarios y priorización de los problemas de calidad del aire – 10 min</li> <li>• Actividad de priorización – 30 min</li> <li>• Reporte de la actividad – 15 min</li> <li>• Descanso – 5 min</li> <li>• Discusión de resultados de consenso de actividad – 10 min</li> </ul>	Personal de SCAQMD; Co-anfitrión  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Ayuda a SCAQMD a priorizar los principales problemas de calidad del aire de la comunidad</li> <li>• Ayuda a guiar el enfoque de SCAQMD para los planes de reducción de emisiones de la comunidad</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Miguel Rivera ( <i>Co-anfitrión</i> )	
7:50 pm	Comentario público – 10 min	Miembros del público	
8:00 pm	Final		





# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #4

Thursday, March 21, 2019 — 6:00 p.m. – 8:00 p.m.  
San Bernardino Valley College  
701 Mt. Vernon Ave., San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #3 recap</li> <li>Current progress: What we've done so far – 5 min</li> </ul>	Facilitator	<ul style="list-style-type: none"> <li>To understand where we are at with developing the community plans</li> </ul>
6:05 pm	Current Rule Development Efforts: <ul style="list-style-type: none"> <li>Best Available Retrofit Control Technology (BARCT) – 3 min</li> <li>Indirect Source Rules (ISR) or Facility Based Mobile Source Measures – 7 min</li> </ul>	Kevin Orellana (Program Supervisor, Planning, Rule Development, & Area Sources)  Ian MacMillan (Manager, Planning, Rule Development, & Area Sources)	<ul style="list-style-type: none"> <li>To provide information on specific rule development efforts related to this community</li> <li>Requested by CSC members</li> </ul>
	Q & A on Current Rule Development Efforts – 5 min	<b>Committee Members</b>	
6:25 pm	Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Update on the Community Air Monitoring Plan  (Part I): Neighborhood Truck Traffic (Including Trucks from/to Warehouses and the BNSF Railyard) and the BNSF Railyard Onsite – 30 min	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development, & Area Sources)  Andrea Polidori (Atmospheric Measurements Manager, Science & Technology Advancement)	<ul style="list-style-type: none"> <li>Provides information on the actions that can be included in the CERP to address air quality concerns from this community through AB 617</li> <li>Provides information on the air monitoring plan for the air quality concerns from this community through AB 617</li> </ul>
6:55 pm	CSC Table Discussion Activity <ul style="list-style-type: none"> <li>Introduction (Facilitator) – 5 min</li> <li>Break Out Session and Table Discussion – 35 min</li> <li>Report Back and Q&amp;A – 10 min</li> </ul>	SCAQMD staff; Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To get community input on the proposed measures (actions) to help guide SCAQMD staff in writing the CERP and Community Air Monitoring Plan</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Facilitator	
7:50 pm	Public Comment – 10 min	Members of the public	
8:00 pm	Adjourn		



# Ley 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

### Reunión del Comité Directivo de la Comunidad #4

Jueves, 21 de marzo del 2019 — 6:00 p.m. – 8:00 p.m.  
 San Bernardino Valley College  
 701 Mt. Vernon Ave., San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Bienvenida y resumen de la reunión #3</li> <li>Progreso actual: lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador	<ul style="list-style-type: none"> <li>Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:05 pm	Esfuerzos actuales de desarrollo de reglas: <ul style="list-style-type: none"> <li>La mejor tecnología de control de adaptación disponible (BARCT) – 3 min</li> <li>Reglas de fuentes indirectas (ISR) o medidas de fuentes móviles basadas en instalaciones – 7 min</li> </ul>	Kevin Orellana <i>(Supervisor, Planificación, Desarrollo de Reglas y Fuentes de Área)</i>  Ian MacMillan <i>(Gerente, Planificación, Desarrollo de Reglas y Fuentes de Área)</i>	<ul style="list-style-type: none"> <li>Proporcionar información sobre esfuerzos específicos de desarrollo de reglas relacionados con esta comunidad.</li> <li>Solicitado por miembros de CSC</li> </ul>
	Preguntas y respuestas sobre los esfuerzos actuales de desarrollo de reglas – 5 min	<b>Miembros del comité</b>	
6:25 pm	Ideas iniciales para acciones en el Plan de Reducción de emisiones de la Comunidad (CERP) y actualización sobre el Plan de Monitoreo de Aire de la Comunidad  (Parte I): Tráfico de Camiones (Incluyendo los Camiones que Vienen y Salen de los Almacenes y del Patio Ferroviario) y Dentro del Patio Ferroviario de BNSF – 30 min	Jo Kay Ghosh <i>(Oficial de efectos a la salud, planificación, desarrollo de reglas y fuentes de área)</i>  Andrea Polidori <i>(Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)</i>	<ul style="list-style-type: none"> <li>Proporcionar información sobre las medidas (acciones) propuestas para los problemas de calidad del aire de esta comunidad a través de AB 617</li> <li>Proporcionar información sobre el plan de monitoreo de aire para los problemas de calidad del aire de esta comunidad a través de AB 617</li> </ul>
6:55 pm	Actividad del comité en mesas <ul style="list-style-type: none"> <li>Introducción (Facilitador) – 5 min</li> <li>Sesión abierta y discusión en la mesa – 35 min</li> <li>Resumen y sesión de pregunta y respuesta – 10 min</li> </ul>	Personal de SCAQMD; Facilitador  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Obtener información de la comunidad sobre las medidas (acciones) propuestas para ayudar a guiar al personal de SCAQMD a redactar el CERP</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador	
7:50 pm	Comentario público – 10 min	Miembros del público	
8:00 pm	Fin		



# Assembly Bill (AB) 617 Community Air Initiatives

San Bernardino, Muscoy

Community Steering Committee Meeting #5

Thursday, April 18, 2019 — 6:00 p.m. – 8:00 p.m.

PAL Charter Academy

1671 N. Sierra Way,

San Bernardino, CA 92405

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks and Community Testimonials – 10 min</li> </ul>	<ul style="list-style-type: none"> <li>Angelica Balderas (<i>Community co-host</i>)</li> <li><b>Committee members</b></li> </ul>	<ul style="list-style-type: none"> <li>To understand where we are at with developing the community plans</li> <li>To understand current efforts in the community by CSC members</li> </ul>
6:10 pm	<b>Current Efforts in the Community</b> <ul style="list-style-type: none"> <li>San Bernardino Valley College (SBVC) – 10 min</li> <li>Center for Community Action and Environmental Justice (CCA EJ) – 5 min</li> <li>Southern California Edison – 5 min</li> </ul>	<ul style="list-style-type: none"> <li>Mary Valdemar (<i>Secretary, SBVC</i>)</li> <li>Ericka Flores (<i>Organizing Director, CCA EJ</i>)</li> <li>Tammy Yamasaki (<i>Senior Advisor, Air &amp; Climate Policy, Southern California Edison</i>)</li> </ul>	<ul style="list-style-type: none"> <li>Provides information on local efforts and programs that address air pollution concerns in the community</li> </ul>
	Community discussion and Q & A – 20 min	<b>Committee members</b>	
6:50 pm	<b>South Coast AQMD Updates</b> <ul style="list-style-type: none"> <li>Draft Community Air Monitoring Plan – 10 min</li> <li>Community discussion and Q &amp; A – 10 min</li> <li>Information on Sources in this Community and Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and CAMP (Part II) – 10 min</li> <li>Community discussion and Q &amp; A – 20 min</li> </ul>	<ul style="list-style-type: none"> <li>Andrea Polidori (<i>Atmospheric Measurements Manager, SCAQMD</i>)</li> <li><b>Committee members</b></li> <li>Jo Kay Ghosh (<i>Health Effects Officer, SCAQMD</i>)</li> <li><b>Committee members</b></li> </ul>	<ul style="list-style-type: none"> <li>Provides information on the sources contributing to air pollution in this community</li> <li>Provides information on ideas to address these air quality concerns: <ul style="list-style-type: none"> <li>Warehouse (Onsite Emissions)</li> <li>Cement Batch Plants</li> <li>Omnitrans Bus Yard</li> <li>Schools, etc.</li> </ul> </li> </ul>
7:40pm	Important Reminders & Next Meeting Topics – 10 min	Angelica Balderas ( <i>Community co-host</i> )	
7:50 pm	Public Comment – 10 min	<b>Community members</b>	
8:00 pm	Adjourn		



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Reunión del Comité Directivo de la Comunidad #5

Jueves, 18 de Abril, 2019 — 6:00 p.m. – 8:00 p.m.

PAL Charter Academy

1671 N. Sierra Way,

San Bernardino, CA 92405

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Bienvenida y Testimonios de la Comunidad – 10 min</li> </ul>	<ul style="list-style-type: none"> <li>Angelica Balderas (Co-anfitrión de la comunidad)</li> <li>Miembros del comité</li> </ul>	<ul style="list-style-type: none"> <li>Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> <li>Aprender sobre los esfuerzos actuales en la comunidad que se están llevando a cabo por los miembros de CSC.</li> </ul>
6:10 pm	<b>Esfuerzos actuales en la comunidad</b> <ul style="list-style-type: none"> <li>San Bernardino Valley College (SBVC) – 10 min</li> <li>Center for Community Action and Environmental Justice (CCA EJ) – 5 min</li> <li>Southern California Edison – 5 min</li> </ul>	<ul style="list-style-type: none"> <li>Mary Valdemar (Secretaria, SBVC)</li> <li>Ericka Flores (Directora y organizadora, CCA EJ)</li> <li>Tammy Yamasaki (Asesora Principal, Políticas de Aire y Clima, Southern California Edison)</li> </ul>	<ul style="list-style-type: none"> <li>Entregar información sobre los esfuerzos y programas locales que abordan los problemas de contaminación del aire en la comunidad.</li> </ul>
	Discusión comunitaria y preguntas y respuestas. – 20 min	Miembros del comité	
6:50 pm	<b>Actualizaciones de AQMD de la Costa Sur</b> <ul style="list-style-type: none"> <li>Proyecto de Plan de Monitoreo de Aire de la Comunidad – 10 min</li> <li>Discusión comunitaria y preguntas y respuestas – 10 min</li> <li>Información sobre fuentes en esta comunidad e ideas iniciales para acciones del Plan de reducción de emisiones de la comunidad (CERP) y CAMP (Parte II) – 10 min</li> <li>Discusión comunitaria y preguntas y respuestas – 20 min</li> </ul>	<ul style="list-style-type: none"> <li>Andrea Polidori (Atmospheric Measurements Manager, SCAQMD)</li> <li>Miembros del comité</li> <li>Jo Kay Ghosh (Health Effects Officer, SCAQMD)</li> <li>Miembros del comité</li> </ul>	<ul style="list-style-type: none"> <li>Proporcionar información sobre las fuentes que contribuyen a la contaminación del aire en esta comunidad.</li> <li>Proporcionar información sobre ideas para abordar estas preocupaciones sobre la calidad del aire: <ul style="list-style-type: none"> <li>Almacenes (Emisiones in situ)</li> <li>Plantas de lote de cemento</li> <li>Patio de Autobuses de Omnitrans</li> <li>Escuelas, etc.</li> </ul> </li> </ul>
7:40pm	Recordatorios importantes y temas de la próxima reunión – 10 min	Angelica Balderas (Co-anfitrión de la comunidad)	
7:50 pm	Comentario público – 10 min	Miembros de la comunidad	
8:00 pm	Final		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #6

Thursday, May 16, 2019 — 6:00 p.m. – 8:30 p.m.  
San Bernardino Valley College Room - B100  
701 S. Mt. Vernon Ave.  
San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Community Testimonials</li> <li>• Meeting #5 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Co-host; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand where we are in developing the community plans</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>• Committee Presenters <ul style="list-style-type: none"> <li>• Center for Community Action and Environmental Justice (CCA EJ) – 10 min</li> <li>• Omnitrans – 10 min</li> <li>• City of San Bernardino – 5 min</li> <li>• San Bernardino Department of Public Health – 10 min</li> </ul> </li> <li>Q &amp; A on this agenda item – 20 min</li> </ul>	<b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>• California Air Resources Board (CARB) Actions - Regulations – 5 min</li> <li>Q &amp; A on this agenda item – 20 min</li> <li>• Automated License Plate Reader (ALPR) – 10 min</li> <li>Q &amp; A on this agenda item – 10 min</li> </ul>	CARB Staff; Co-host; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand current regulatory efforts by CARB to address the air quality concerns in this community</li> <li>• To provide information on the automated license plate reader</li> </ul>
7:50 pm	<ul style="list-style-type: none"> <li>• Committee Discussion on the Community Emission Reduction Plan (CERP) – 10 min</li> <li>• Committee Discussion on Community Air Monitoring Plan (CAMP) – 15 min</li> </ul>	Diana Thai (Program Supervisor, South Coast AQMD)  Andrea Polidori (Advanced Monitoring Technologies Manager, South Coast AQMD)  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To discuss the proposed measures (actions) and begin discussion on goals</li> <li>• To discuss the Draft CAMP and gather community input</li> </ul>
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Co-host; <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

### Reunión del Comité Directivo de la Comunidad #6

Jueves, 16 de mayo, 2019 — 6:00 p.m. – 8:30 p.m.

San Bernardino Valley College Room - B100

701 S. Mt. Vernon Ave.

San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Bienvenida y Testimonios de la Comunidad</li> <li>Reunión # 5, Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Co-anfitrión; <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Presentadores de comités</li> <li>Centro de Acción Comunitaria y Justicia Ambiental (CCAECJ) – 10 min</li> <li>Omnitrans – 10 min</li> <li>Ciudad de San Bernardino – 5 min</li> <li>Departamento de Salud Pública de San Bernardino – 10 min</li> </ul> <p>Preguntas y respuestas sobre este tema del programa – 20 min</p>	<b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>Acciones de la Junta de Recursos del Aire de California (CARB) – Regulaciones – 5 min</li> </ul> <p>Preguntas y respuestas sobre este tema del programa – 20 min</p> <ul style="list-style-type: none"> <li>Lector automatizado de matrículas (ALPR) – 10 min</li> </ul> <p>Preguntas y respuestas sobre este tema del programa – 10 min</p>	Personal de CARB; Co-anfitrión; <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos regulatorios actuales de CARB para abordar los problemas de calidad del aire en esta comunidad</li> <li>Proporcionar información sobre el lector automatizado de matrículas</li> </ul>
7:50 pm	<ul style="list-style-type: none"> <li>Discurso del Comité sobre el plan de reducción de emisiones de la comunidad (CERP) – 10 min</li> <li>Discurso del Comité sobre el Plan de monitoreo de aire de la comunidad (CAMP) – 15 min</li> </ul>	<p>Diana Thai (Supervisora de Programa, Costa Sur AQMD)</p> <p>Andrea Polidori (Gerente de Tecnologías de Monitoreo Avanzado, Costa Sur AQMD)</p> <p><b>Miembros del Comité</b></p>	<ul style="list-style-type: none"> <li>Hablar sobre las medidas propuestas (acciones) y comenzar la discusión sobre metas</li> <li>Hablar sobre el borrador del CAMP y recopilar opiniones de la comunidad</li> </ul>
8:15 pm	Recordatorios importantes y temas de la próxima reunión – 5 min	Co-anfitrión; <b>Miembros del Comité</b>	
8:20 pm	Comentario público – 10 min	Miembros de la comunidad	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.

**\* Staff is also available for questions after the meeting.**





# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Reunión del Comité Directivo de la Comunidad #7

Jueves, 20 de Junio, 2019 — 6:00 p.m. – 8:30 p.m.

San Bernardino Valley College

701 S. Mt. Vernon Ave.,

San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Testimonios de la Comunidad</li> <li>Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Co-anfitrión  <b>Miembros del comité</b>	Comprender dónde estamos en el desarrollo de los planes comunitarios.
6:10 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité y y Actualización del Grupo Asesor Técnico (TAG)               <ul style="list-style-type: none"> <li>BNSF – 10 min</li> <li>Departamento de Planificación de Uso del Suelo del Condado de San Bernardino - 5 min</li> <li>Universidad de Loma Linda – 10 min</li> <li>Actualización del TAG – 5 min</li> </ul> </li> <li>Preguntas y respuestas sobre este tema – 20 min</li> </ul>	LaDonna DiCamillo <i>( Asuntos del Gobierno Regional, BNSF Railway Company )</i>  Suzanne Peterson <i>(Planificadora asociada, Departamento de Planificación de Uso del Suelo del Condado de San Bernardino)</i>  Ryan Sinclair, PhD, MPH <i>(Profesor Asociado, Departamento de Salud Pública de la Universidad de Loma Linda)</i>  <b>Miembros del comité</b>	Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire   Proporcionar un breve resumen de la última reunión del TAG
7:00 pm	<ul style="list-style-type: none"> <li>Revisar el borrador para discusión del plan de reducción de emisiones de la comunidad (CERP) y como medir los logros * – 10 min</li> <li>Debate con el comité – 30 min</li> </ul>	Diana Thai <i>(Supervisora de Programa, South Coast AQMD)</i>  <b>Miembros del comité</b>	Revisar los elementos del borrador del CERP y establecer metas para medir los logros
7:40 pm	<ul style="list-style-type: none"> <li>Junta de Recursos del Aire de California (CARB) Acciones de ejecución – 10 min</li> <li>Debate con el comité – 20 min</li> </ul>	Personal de CARB ; Personal de South Coast AQMD; <b>Miembros del comité</b>	Comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad
8:10 pm	Recordatorios importantes y próximos pasos – 10 min	Co-anfitrión <b>Miembros del comité</b>	
8:20 pm	Comentario público – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.





# Assembly Bill (AB) 617 Community Air Initiatives

San Bernardino, Muscoy

Community Workshop and Community Steering Committee Meeting #8

Thursday, July 18, 2019

Workshop 5:30 – 6:00 p.m.

CSC Meeting 6:00 – 8:30 p.m.

San Bernardino Valley College, 701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:30 pm	<ul style="list-style-type: none"> <li>Doors open – Community Workshop – 30 min</li> </ul>	<b>Committee Members</b>  Members of the Public	To provide information on: <ul style="list-style-type: none"> <li>Community Emissions Reduction Plan (CERP)</li> <li>Community Air Monitoring</li> <li>Incentives</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Community Testimonials</li> <li>Meeting #7 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Co-host  <b>Committee Members</b>	To understand where we are in developing the community plans
6:10 pm	Technical Advisory Group (TAG) update – 5 min	Tammy Yamasaki (Senior Advisor, Air & Climate Policy, Southern California Edison)	To provide a brief overview of the TAG meeting
6:15 pm	<ul style="list-style-type: none"> <li>San Bernardino County Transportation Authority (SBCTA) – 10 min</li> </ul> Committee Discussion – 10 min	Otis Greer (Director of Legislative and Public Affairs, SBCTA)  <b>Committee Members</b>	To understand current efforts in the community by CSC members to address air quality concerns
6:35 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Enforcement Actions – 10 min</li> <li>Committee Discussion – 20 min</li> </ul>	CARB Staff;  <b>Committee Members</b>	To understand current enforcement actions that will be taken by CARB to address the air quality concerns in this community
7:05 pm	<ul style="list-style-type: none"> <li>Discuss the Discussion Draft Community Emissions Reduction Plan (CERP) Comments Received* – 10 min</li> </ul> Committee Discussion – 25 min	Diana Thai (Program Supervisor, South Coast AQMD)  <b>Committee Members</b>	To discuss community feedback and comments received on the Discussion Draft CERP
7:40 pm	<ul style="list-style-type: none"> <li>Community Air Monitoring Update* – 10 min</li> </ul> Committee Discussion – 10 min <ul style="list-style-type: none"> <li>Truck Technologies – 10 min</li> </ul> Committee Discussion – 10 min	Payam Pakbin (Program Supervisor, Monitoring, South Coast AQMD)  Joseph Impullitti (Technology Demonstration Manager, South Coast AQMD)  <b>Committee Members</b>	To provide an update on the current monitoring efforts being deployed as described in the CAMP  To provide information on current truck technologies
8:20 pm	<ul style="list-style-type: none"> <li>Public Comment – 10 min</li> </ul>	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Taller Comunitario y Reunión del Comité Directivo de la Comunidad no.8

Jueves, 18 de Julio, 2019

Taller 5:30 – 6:00 p.m.

Reunión 6:00 – 8:30 p.m.

San Bernardino Valley College, 701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:30 pm	Puertas Abiertas – Taller Comunitaria – 30 min	<b>Miembros del Comité</b>  Miembros del Publico	Para proveer información sobre: <ul style="list-style-type: none"> <li>• Incentivos</li> <li>• Plan de Reducción de Emisiones de la Comunidad (CERP)</li> <li>• Plan de Monitoreo de Aire Comunitario (CAMP)</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>• Comentarios de bienvenida</li> <li>• Testimonios de la Comunidad</li> <li>• Reunión #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> </ul> – 10 min	Co-anfitriona  <b>Miembros del Comité</b>	Comprender dónde estamos en el desarrollo de los planes comunitarios.
6:10 pm	Actualización del Grupo de Asesoramiento Técnico (TAG)  – 5 min	Tammy Yamasaki (Asesora Principal, Política de Aire y Clima, Southern California Edison)	Para proporcionar una breve descripción de la reunión TAG
6:15 pm	<ul style="list-style-type: none"> <li>• San Bernardino County Transportation Authority (SBCTA)</li> </ul> – 10 min  Discusión del comité – 10 min	Otis Greer (Director de Asuntos Legislativos y Públicos, SBCTA)  <b>Committee Members</b>	Para comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire
6:35 pm	<ul style="list-style-type: none"> <li>• Acciones de cumplimiento de la Junta de Recursos del Aire de California (CARB)</li> </ul> – 10 min  • Committee Discussion – 20 min	Personal de CARB ;  <b>Miembros del comité</b>	Para comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad
7:05 pm	<ul style="list-style-type: none"> <li>• Hablar sobre el borrador de discusión</li> </ul> Comentarios recibidos del Plan de reducción de emisiones de la comunidad (CERP) – 10 min  Discusión del comité – 25 min	Diana Thai (Supervisora del Programa, South Coast AQMD)  <b>Miembros del comité</b>	Para discutir los comentarios de la comunidad y los comentarios recibidos en el borrador de discusión del CERP
7:40 pm	<ul style="list-style-type: none"> <li>• Actualización de monitoreo de aire de la comunidad *</li> </ul> – 10 min  Discusión del comité – 10 min  • Tecnologías de camiones – 10 min  Discusión del comité – 10 min	Payam Pakbin (Supervisor del Programa de Monitoreo, South Coast AQMD)  Joseph Impullitti (Gerente de Demostración de Tecnología, South Coast AQMD)  <b>Miembros del comité</b>	Para proporcionar una actualización de los esfuerzos de monitoreo actuales que se implementan como se describe en el CAMP  Proporcionar información sobre las tecnologías actuales de camiones
8:20 pm	<ul style="list-style-type: none"> <li>• Comentario público</li> </ul> – 10 min	Miembros del público	
8:30 pm	Adjourn		

\* El personal también está disponible para preguntas después de la reunión



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #9

Thursday, August 15, 2019  
CSC Meeting 6:00 p.m. – 8:30 p.m.  
San Bernardino Valley College  
701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:30 pm	• Doors Open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Announcements</li> <li>• Community Testimonials</li> <li>• Meeting #8 Recap &amp; Current Progress: What we've done so far – 15 min</li> </ul>	Angelica Balderas (Co-host)	To understand where we are in developing the community plans
6:15 pm	<ul style="list-style-type: none"> <li>• Presentation on Chicano Indigenous Community for Culturally Conscious Advocacy &amp; Action (ChICCCAA): #MotherEarthRising – 10 min</li> </ul> <p>Committee Discussion – 10 min</p>	Jason Martinez (ChICCCAA Representative)	To understand current efforts in the community by CSC members to address air quality concerns
6:35 pm	<ul style="list-style-type: none"> <li>• Governing Board Process Overview and Stationary Source Committee Meeting Recap – 15 min</li> </ul> <p>Committee Discussion – 10 min</p>	Diana Thai (Program Supervisor, South Coast AQMD)	To provide information on the Governing Board process and provide a recap of the Stationary Source Committee Meeting
7:00 pm	<ul style="list-style-type: none"> <li>• Draft Community Emissions Reduction Plan (CERP) and Emissions Reduction Targets* – 15 min</li> </ul> <p>Committee Discussion – 35 min</p>	Diana Thai (Program Supervisor, South Coast AQMD)	To provide an update on revisions of the Draft CERP based on comments received
7:50 pm	<ul style="list-style-type: none"> <li>• Community Air Monitoring Highlights* – 10 min</li> </ul> <p>Committee Discussion – 15 min</p>	Payam Pakbin (Advanced Monitoring Technologies Program Supervisor, South Coast AQMD)	To provide an update on the current monitoring efforts being deployed in the community
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Angelica Balderas (Co-host)	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Assembly Bill (AB) 617 Community Air Initiatives

San Bernardino, Muscoy

Reunión del Comité Directivo de la Comunidad #9

Jueves, 15 de Agosto 15, 2019

Reunión del Comité 6:00 p.m. – 8:30 p.m.

San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porque es importante?
5:30 pm	• Puertas Abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Anuncios</li> <li>Testimonios de la comunidad</li> <li>Reunion #8 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Angelica Balderas (Coanfitriona)	Comprender dónde estamos en el desarrollo de los planes comunitarios
6:15 pm	<ul style="list-style-type: none"> <li>Presentación sobre la comunidad indígena chicana para la promoción y acción culturalmente consciente (ChICCCCAA): #MotherEarthRising – 10 min</li> </ul> <p>Discusión del comité – 10 min</p>	Jason Martinez (ChICCCCAA Representative)	Comprender los esfuerzos actuales en la comunidad de los miembros de CSC para abordar las preocupaciones sobre la calidad del aire.
6:35 pm	<ul style="list-style-type: none"> <li>Resumen del proceso de la Junta de Gobierno y resumen de la reunión del Comité de fuente estacionaria – 15 min</li> </ul> <p>Discusión del comité – 10 min</p>	Diana Thai (Supervisora del programa, South Coast AQMD)	Para proporcionar información sobre el proceso de la Junta de Gobierno y proporcionar un resumen de la Reunión del Comité de Fuente Estacionaria
7:00 pm	<ul style="list-style-type: none"> <li>Revisar el borrador del plan de reducción de emisiones de la comunidad (CERP) y objetivos de reducción de emisiones – 15 min</li> </ul> <p>Discusión del comité – 35 min</p>	Diana Thai (Supervisora del programa, South Coast AQMD)	Revisar el borrador del CERP basado en los comentario del comité que se han recibido
7:50 pm	<ul style="list-style-type: none"> <li>Aspectos destacados del monitoreo del aire comunitario * – 10 min</li> </ul> <p>Discusión del comité – 15 min</p>	Payam Pakbin (Supervisor del Programa de Tecnologías de Monitoreo Avanzado, South Coast AQMD)	Proporcionar una actualización sobre los esfuerzos de monitoreo actuales que se están implementando en la comunidad
8:15 pm	Temas de la próxima reunión y recordatorios importantes – 5 min	Angelica Balderas (Coanfitriona)	
8:20 pm	Comentario Publico – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	L. Z. Schmidt		CARB			
2	Deo Collins		UC Riverside			
3	JANE HUNT-ROBLE		SAVELYTE Creek Wash MUSCOY CONSERVED CITYZEN			
4	BILL LA MATRIZ		CSTBA			
5	Michelle Burroughs		UCR School of Medicine			
6	Ryan Sinclair		LLU School of Pub. Hlth			
7	Polonia Magas		City of San Bernardino			
8	Ivy Osorio		CARB			
9	Timothy Summers					
10	TODD HEIBEL		SAN BERNARDINO VALLEY CONVENT			





AB 617: Community Meeting -- San Bernardino / Muscogee -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 M Victoria Brana	CEO	Foundations for blue			
2 Juanita Garcia	SEM Coordinator Rialto USD	Rialto USD			
3 Allen Hernandez	Executive Director	CCAETS			
4 Valerie Bobesh	Exec Ctl	RSBC/HI			
5 Koshua Bell					
6 Christopher Chever	Deputy Director	Coalition de A...			
7					
8					
9					
10					



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Rona Vega	Health Educator Assistant	San Bernardino County Dept. of Public Health			
2	Yessie K	ORGANIZER	San Sierra club			
3	Anthony Liciana	commms	CCAETS			
4	Nicole Cervy	.	CECERET			
5	Cady Rozoffsky		CEA			
6						
7						
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	DAISY MORALES					
2						
3						
4						
5						
6						
7						
8						
9						
10						





AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mary Vandave	Sus. Comm Organizer	SBRC Chicoana			
2	Sylvia Bersky	Shuttle Service Specialist	SBSD			
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Asheer Dial	Student	Chiccoqa	[REDACTED]	[REDACTED]	[REDACTED]
2						
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	VICTOR					
2	MARIA RIZVI		47th ASm District			
3	ASm. Eloise Gonzalez-Reyes		47th ASm District			
4	CURT LEWIS		31st Congressional District Rep. Rike Aguilar			
5	MARK TAYLOR		SB County BOS Janice Rutherford			
6	ANDREW SILVA		SCAOMD Janice Board Assistant; Rutherford			
7						
8						
9						
10						



**Public Health**  
Community Outreach and Innovation  
Healthy Communities Program

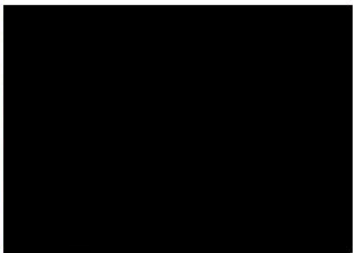
**BERNADETTE BELTRAN, B.S.**  
Health Education Specialist II



**Christopher Lovett, Ph.D.**  
Air Resources Engineer  
Community Assessment Section  
Office of Community Air Protection



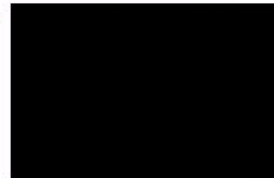
**ANDRE ALMEIDA**  
Engineer I



**SESPE**  
CONSULTING, INC.



**Don Maddy**  
Executive Director  
State Government Affairs



**BRC**  
BURKE | RIX  
COMMUNICATIONS

**Brian G. Rix**  
Senior Partner



Research Interests  
air quality modeling, emissions,  
climate, health effects,  
environmental justice



Chemical and Environmental Eng.

**Sunni Ivey**  
Assistant Professor  
**UC Riverside**



CALIFORNIA STATE UNIVERSITY  
**SAN BERNARDINO**

Department of Chemistry and Biochemistry

**Andreas Beyersdorf, Ph.D.**  
Assistant Professor

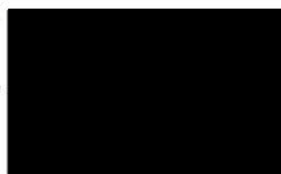


**Kristine D. Scott**  
Public Affairs Manager

A **Sempra Energy** utility®



**Tom Gross**  
Manager  
Environmental Affairs







Jack H. Brown College  
Business and Public Administration  
Leonard Transportation Center

Rudy Morales Gamez  
Research Technician I

**Nicole Soto**  
Management Analyst II  
Air Quality & Mobility Programs



San Bernardino County  
Transportation Authority

**OmniTrans**  
ANNA JAISWAL  
Development  
Planning Manager



LOMA LINDA UNIVERSITY  
HEALTH

Crissy Irani, MBBS, MPH  
Research Analyst  
Institute for Community Partnerships

A Seventh-day Adventist Organization

**GRACIELA "CHELA"  
LARIOS**  
SENIOR COMMUNITY ORGANIZER



South Coast  
AQMD

[www.aqmd.gov](http://www.aqmd.gov)

South Coast  
Air Quality Management District



**CHARLES W. HEWITT, II**  
Air Quality Inspector I  
Office of Compliance & Enforcement

**ANDREA VIDAURRE**  
ORGANIZER



Jack H. Brown College  
Business and Public Administration

Kimberly Collins, Ph.D.  
Executive Director, Leonard Transportation Center  
Associate Professor, Public Administration



AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00 PM

Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

25

Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Nancy Sanchez	Air Researcher Engineer	CAARB			
2 Miguel Lopez	—	Public			
3 Cody Sanfey		CCA			
4 Roxana Barrios	Actor				
5 Tom Olson	Air Pollution specialist	CAARB			
6 Jerry + Marilyn Patterson		Interest			
7 Ashley Jones	Student	Church			
8 David Zola	Community				
9 Luis Padilla	Public Policy Director	IEEP			
10 Terry Allen	APS	CAARB			



AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Anthony Victoria	Comm's director	CCAEJ			
2	Kenny Melancon	SBCU College				
3	Fem Dauwout	CARB VARS	CARB			
4	Shari Freeman	CEG	SHH			
5	Tammy Tamasaki	Advisor	SCC			
6	Rina Atencio		CARB			
7	Juanita Chen	STEM Coordinator	Rialto USD			
8	Zach Leon	Safety Inspector	SBCUSD			
9	Cesarica Frey	Professor	UCR			
10	Alicia Aguayo	community member				





AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Marcos De Leon	EHS mgr	SARecycling			
2	Sean Mayan	Assoc. Dir	CCAES			
3	Danby Osorio					
4	Juanito Hunter					
5						
6						
7						
8						
9						
10						





AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

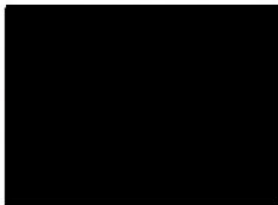
SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

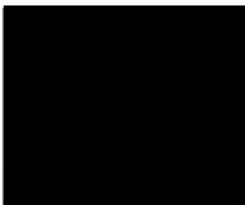
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Marven Norman All for Sandy Albert	Executive Director	Inland Empire Biking Alliance/Region 2			
2						
3						
4						
5						
6						
7						
8						
9						
10						



CEA CALIFORNIA  
ENVIRONMENTAL  
ASSOCIATES

DARCY WHEELS  
DIRECTOR



FL

**BRC**  
BURKE | RIX  
COMMUNICATIONS

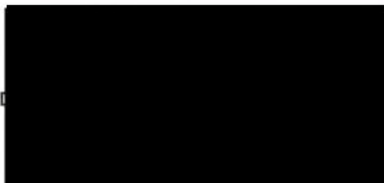
Brian G. Rix  
Senior Partner



South Coast  
AQMD

www.aqmd.gov

South Coast  
Air Quality Management District



ANDREW SILVA  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino



Economic Development  
Economic Development

REG JAVIER

Deputy Executive Officer



A Sempra Energy utility

Regional President



County Administrator  
Finance and Administration

MARY JANE OLHAS

Assistant Executive Officer  
Finance and Administration



**SH&H**  
Commerce California  
USDOT 29515  
MC999441

Safety Is Everyone's Responsibility

Sadiki Freeman




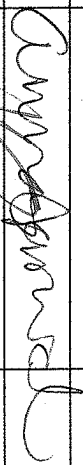







AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center





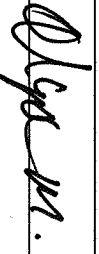

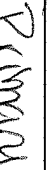
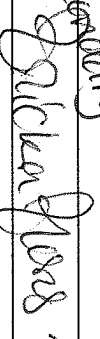
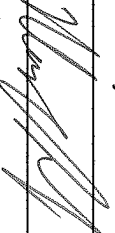
2450 Blake Street, Muscoy, CA 92407

Affiliation	Primary Member	Alternate Member	Signature	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins	Suzanne Peterson		
San Bernardino County Department of Public Health	Bernadette Beltran	Corwin Porter		
California State University San Bernardino	Andreas Beyersdorf	Rudy Morales Gamez		
City of San Bernardino	Polonia Majas	Flor Murillo		
Omnitans	Anna Jaiswal	Jeremiah Bryant		
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang	Dr. Ryan Sinclair		
San Bernardino County Transit Authority	Otis Greer	Nicole Soto		
San Bernardino Valley College	Mary Valdemar			

**Elected Officials**

Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	<u>Erika Willhite</u>	Lisha B. Smith	<u>Erika Willhite</u>	
<b>Business Representative</b>				
BNSF Railway Company	LaDonna DiCamillo		<u>LaDonna DiCamillo</u>	
Pacific Mountain Logistics - San Bernardino	B.J. Patterson			
Southern California Edison	Thomas Gross	<u>Tammy Yamasaki</u>	<u>Thomas Gross</u>	
Wyatt's Paint & Body, Inc.	Kris Wyatt	<u>Randy Wyatt</u>	<u>Randy Wyatt</u>	
Tacos Don Ramon	Angel Rodriguez			
<b>Community Organization</b>				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	<u>Jason Martinez</u>	Paula Alvarez Venegas	<u>Jason Martinez</u>	
Muscoy Action Committee	Jane Hunt-Ruble		<u>Jane Hunt-Ruble</u>	
Center for Community Action and Environmental Justice (CCA EJ)	<u>Andrea Vidaurre</u>	Allen Hernandez	<u>Andrea Vidaurre</u>	
Sierra Club, My Generation	Angelica Balderas		<u>Angelica Balderas</u>	
<del>Sierra Club, My Generation</del>	<del>Berni Espinoza</del>			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Active residents (not representing a community organization or a business)

San Bernardino	Joshua Bell			
San Bernardino	Valerie Dobesh			
San Bernardino	Matthew Taylor			
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona			
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina			
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert			
San Bernardino	Ericka Flores			
Muscoy	Miguel A. Rivera			
Muscoy	Christopher Alonso			

Nombre

Telefono

Firma

Olga Donadeo

~~Leathick~~

~~M. S. I.~~

~~Off~~

Consul V. S. I.

January 17<sup>th</sup> 2019

PAC Center, Muscog



AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscoy, CA 92407

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Jeonghoon Lee	Prof.	KOREATECH & UC Riverside			
2	Cody Rosenfield	Police Assaint	C CA			
3	LZ. Schmidt	CARB Community Liaison				
4	Daisy Morales	<del>LEADER</del> Resident				
5	Araceli Gamar	Resident				
6	R-1AN Tien	CARB				
7	Kiaoxi Lin	CARB				
8	Sonia Vega	Health Educator	San Bern Co Dept of Public Health			
9	Luis Portillo	stakeholder	Inland Empire Economic Partnership			
10	Chris Laett					



AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscoy, CA 92407

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Maurice Chen					
2	Daniel Marcel					
3	LEBINSKY DESAH	—	—			
4	Lorena Rodarte					
5	Mark Abramowitz	SCAARD Board Consultant				
6	Nick Vizcarra		ARB			
7	Diana Contreras	Student	N/A			
8	Martha Cruz	Student	N/A			
9						
10						





AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscoy, CA 92407

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Guthria Rochelle		ChicceCA			
2	Veronica Booles		ChicceCA			
3	Helen Helen		ChicceCA			
4	Yassir vaneel		—			
5	Robert Robert					
6	Kimberly Coclin		CSUSB			
7	Juanita Chen		Rialto USD			
8	Libeth Manscal		Rialto USD			
9	Lorena Rodarte					
10	Kristal Ramirez		Country of ID			



**SENATOR CONNIE M. LEYVA**  
TWENTIETH SENATE DISTRICT  
CALIFORNIA LEGISLATURE

**EDGAR CASTELAN**  
DISTRICT REPRESENTATIVE



**Peter Herzog**  
Assistant Director of Legislative Affairs



**NAIOP**  
COMMERCIAL REAL ESTATE  
DEVELOPMENT ASSOCIATION  
SOCAL CHAPTER



Board of Supervisors  
**JOSIE GONZALES, SUPERVISOR**  
Fifth District

**ERIKA WILLHITE**  
Field Representative

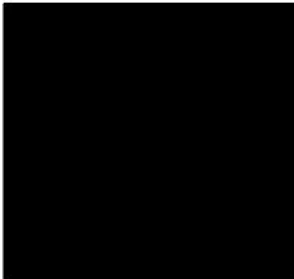


Public Health  
Nutrition Program

**SONIA J. VEGA, BS**  
Health Education Assistant



**Josh Lee**  
Chief of Planning





AB 617: Community Meeting -- San Bernardino / Muscog -- February 21, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscog, CA 92407

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING.

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETE TODAS LAS SECCIONES



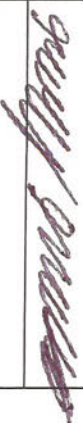


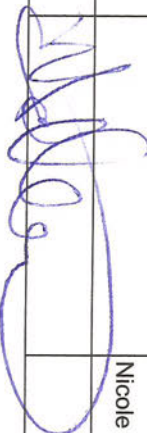
	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mark Abrenante	Board Consultant	Di-Lyoo - SCA and			
2	Jeremy Herbert	State Air Pollution Specialist	CARB			
3	L.Z. Schmidt	ARE	CARB			
4	James Pasmore					
5	Daisy Morales	Public				
6	Araceli Gama	Public				
7	Xiuxi Lin	CARB	CARB			
8	Pam Afend	CARB				
9						
10						












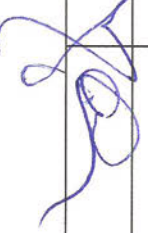
AB 617: Community Meeting -- San Bernardino / Muscoy -- February 21, 2019 -- 6:00 PM to 8:00 PM



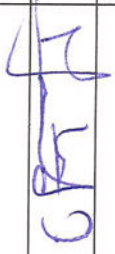
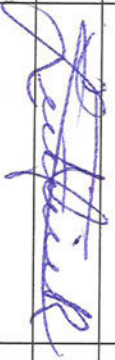
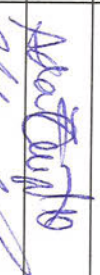

PAL Center

2450 Blake Street, Muscoy, CA 92407

Affiliation	Primary Member	Signature	Alternate Member	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez	
City of San Bernardino	Polonia Majas		Flor Murillo	
Omnitrans	Anna Jaiswal		Jeremiah Bryant	
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Otis Greer		Nicole Soto	
San Bernardino Valley College	Mary Valdemar			



Affiliation	Primary Member	Signature	Alternate Member	Signature
Elected Officials				
Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith	
Business Representative				
BNSF Railway Company	LaDonna DiCamillo			
Pacific Mountain Logistics - San Bernardino	B.J. Patterson			
Southern California Edison	Christopher Abel		Tammy Yamasaki	
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt	
Tacos Don Ramon	Angel Rodriguez			
Community Organization				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	Jason Martinez		Paula Alvarez Venegas	
Muscoy Action Committee	Jane Hunt-Ruble			
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre	
Inland Region Equality Network	Angelica Balderas			
Safe Routes to School	Demi Espinoza			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Affiliation	Primary Member	Signature	Alternate Member	Signature
Active residents (not representing a community organization or a business)				
San Bernardino	Joshua Bell			
San Bernardino	Valerie Dobesh			
San Bernardino	Matthew Taylor			
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona			
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina			
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert			
San Bernardino	Ada Trujillo			
Muscoy	Miguel A. Rivera			
Muscoy	Christopher Alonso			



AB 617: Community Meeting -- San Bernardino / Muscoy -- March 21, 2019 -- 6:00 PM to 8:00 PM

San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Affiliation	Primary Member	Signature	Alternate Member	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	
San Bernardino County Department of Public Health	Bernadette Beltran	2	Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf	1	Rudy Morales Gamez	
City of San Bernardino	<del>Potencia Mejias</del> * Chantal Powers	2	Flor Murillo	
OmniTrans	Anna Jaiswal	1	Jeremiah Bryant	
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang	2	Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Otis Greer	1	Nicole Soto	
San Bernardino Valley College	* Mary Valdemar	2		


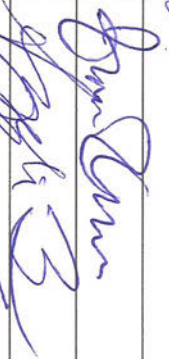

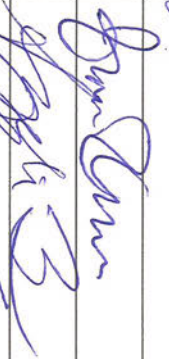






Active residents (not representing a community organization or a business)

San Bernardino	*	Abram Gastelum	2	<i>Ab</i>		
San Bernardino		Valerie Dobesh	1	<i>Valerie Dobesh</i>		
San Bernardino		Matthew Taylor	1	<i>Matthew Taylor</i>		
San Bernardino		Ruben Garza	1			
San Bernardino		Maria G. Corona	2	<i>Maria G.</i>		
San Bernardino		Graciela Regalado	2	<i>Graciela Regalado</i>		
San Bernardino		Olga Medina	2	<i>Olga Medina</i>		
San Bernardino		Lorena Rodarte	2	<i>Lorena Rodarte</i>		
San Bernardino		James Albert	1	<i>James Albert</i>		
San Bernardino		Ada Trujillo	2	<i>Ada Trujillo</i>		
Muscoy		Miguel A. Rivera	1	<i>Miguel A. Rivera</i>		
Muscoy		Christopher Alonso	1	<i>Christopher Alonso</i>		



Elected Officials			
Assemblymember Eloise Reyes Office	Maha Rizvi	2	
Supervisor Josie Gonzales	Erika Willhite	1	Lisha B. Smith
Business Representative			
BNSF Railway Company	LaDonna DiCamillo	1	* Marisa Blackshire
Pacific Mountain Logistics - San Bernardino	B.J. Patterson	2	
Southern California Edison	<del>Thomas Gross</del> Christopher Abel	1	Tammy Yamasaki
Wyatt's Paint & Body, Inc.	Kris Wyatt	2	Randy Wyatt
Tacos Don Ramon	Angel Rodriguez	1	
Community Organization			
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCCAA)	Jason Martinez	2	Paula Alvarez Venegas
Muscoy Action Committee	Jane Hunt-Ruble	1	
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores	2	Andrea Vidaurre
Sierra Club, My Generation	Angelica Balderas	1	
Safe Routes to School	Demi Espinoza	2	
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias		



AB 617: Community Meeting -- San Bernardino / Muscog -- March 21, 2019 -- 6:00 PM to 8:00 PM

San Bernardino Valley College - Room B100

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Watersen Hankins	AIR Resources supervisor	CARE			
2	JASON BUCKER	Professor SATE	SBC			
3	Lloyd					
4	Laura Zschmidt	ARB				
5	Jeremy Hendert	ARB	CARB			
6	Zhiwei Lin	ARB	CARB			
7	Darlene Amara	MPI EPI	LCU			
8	DAISY MORALES					
9	Araceli Gomez					
10	R-AND Astorio	ARB	CARB			



AB 617: Community Meeting -- San Bernardino / Muscovy -- March 21, 2019 -- 6:00 PM to 8:00 PM

San Bernardino Valley College - Room B100

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mesa Washington					
2	Lesunice	Professor	UCR TAs			
3	Edgar Castellon	Field Representative	Senator Conriquez			
4	Oliver Rodriguez	Community Council	LLUH			
5	Luis Portillo	Director of Public Policy	IEEP			
6	Orlando S.					
7	Scott Anderson	Dr. Sustana	AtLima			
8						
9						
10						








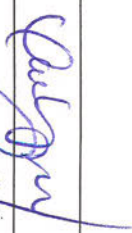






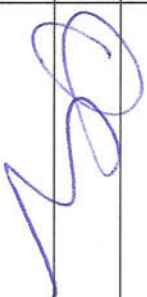
South Coast  
AQMD

AB 617: Community Meeting -- San Bernardino / Muscogee -- April 18, 2019 -- 6:00 PM to 8:00 PM

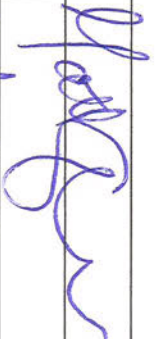




PAL Charter Academy

1671 N. Sierra Way, San Bernardino, CA 92405

Affiliation	Primary Member	Signature	Alternate Member	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	<i>S. Peterson</i>
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf	<i>Andreas Beyersdorf</i>	Rudy Morales Gamez	
City of San Bernardino	Chantal Power		Elizabeth Mora-Rodriguez	<i>Elizabeth Mora-Rodriguez</i>
Omnitrans	Anna Jaiswal	<i>Anna Jaiswal</i>	Jeremiah Bryant	<i>Jeremiah Bryant</i>
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Otis Greer		Nicole Soto	<i>Nicole Soto</i>
San Bernardino Valley College	Mary Valdemar	<i>Mary Valdemar</i>		

Elected Officials				
Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith	
Business Representative				
BNSF Railway Company	LaDonna DiCamillo			
Pacific Mountain Logistics - San Bernardino	B.J. Patterson			
Southern California Edison	Christopher Abel		Tammy Yamasaki	
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt	
Tacos Don Ramon	Angel Rodriguez			
Community Organization				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	Jason Martinez		Paula Alvarez Venegas	
Muscoy Action Committee	Jane Hunt-Ruble			
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre	
Sierra Club, My Generation	Angelica Balderas			
Safe Routes to School	Demi Espinoza			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Active residents (not representing a community organization or a business)

San Bernardino	Abram Gastelum			
San Bernardino	Valerie Dobesh			
San Bernardino	Mathew Taylor			
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona			
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina			
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert			
San Bernardino	Ada Trujillo			
Muscoy	Miguel A. Rivera			
Muscoy	Christopher Alonso			





AB 617: Community Meeting -- San Bernardino / Muscogee -- April 18, 2019 -- 6:00 PM to 8:00 PM

PAL Charter Academy

1671 N. Sierra Way, San Bernardino, CA 92405

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Heather Davis	CAAB				
2	Christy Lauff	CAAB				
3	Kristal Remire	data tech	SRCS			
4	Maria Flores					
5	Mark Abramowitz	Pres.	Community Environmental Services			
6	Robert Viganti	Keriden				
7	Josh Lee	SKCTA				
8	Xiaoxi Lin	CAAB				
9	Andy Skoff	SB County				
10	Necia Bels					



AB 617: Community Meeting -- San Bernardino / Muscoy -- April 18, 2019 -- 6:00 PM to 8:00 PM

PAL Charter Academy

1671 N. Sierra Way, San Bernardino, CA 92405

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

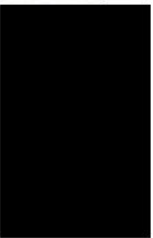
	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Stephona					
2	Araceli Gama					
3	Daisy Morales					
4	ORLANDO SALINAS					
5	FILAN ARANDA					
6	Glenn Sellack					
7	Luis Portillo					
8	Crystal Bouck					
9	Annie Balderras					
10						





**Terry Allen**

State Strategy Section  
Community Planning Branch  
Office of Community Air Protection



**Christopher Lovett, Ph.D.**

Air Resources Engineer  
Community Assessment Section  
Office of Community Air Protection

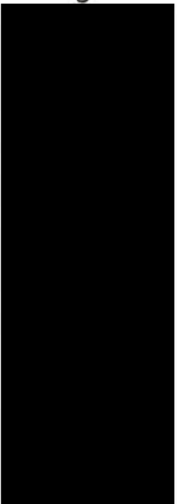


**ANDREW SILVA**  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino

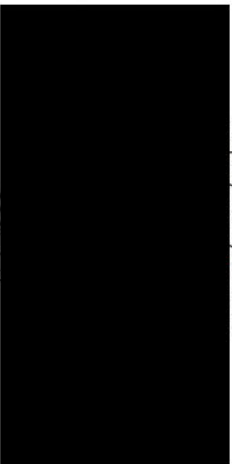


South Coast  
**AQMD**  
[www.aqmd.gov](http://www.aqmd.gov)

South Coast  
Air Quality Management District



**Chris Chavez**  
Deputy Policy Director





AB 617: Community ID Meeting -- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM

①

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Hutton Community Center  
660 Colton Avenue, Colton, CA 92324

Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Christina Bridgman	Chamber Coordinator	Chamber of Commerce			
2 Rebecca Gallegos	Utilities Planning Manager	City of Colton			
3 Jessica Sotomayor	Env. Cons. Supervisor	City of Colton			
4 Kathie Cox	-	UC Irvine			
5 Joe Ybarra	Roadside	City of Colton			
6 Kiana Maldonado	Field Rep	SB County Board of Supervisors			
7 Andrea Harlin	Field Rep	Legislator Pete Aguilar			
8 Alger Castellan	Field Rep	Senator Conde Henry			
9 Luis Rofillas	Director	IEEP			
10 Edgar Astorga	govern. & community relations Asst.	CSUSB			



AB 617: Community ID Meeting -- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM

Hutton Community Center

660 Colton Avenue, Colton, CA 92324

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Henry Vásquez	Community Member	Native American Community Council SBT Riv. Counties			
2	Nicolas Zupkalska	Resident				
3	Kristine Scott	Public Affairs manager	Sealers			
4	Jason MARTINEZ	Org.	CHICCA			
5	LUPE valdez	Si. Dir. Public Affairs	UP			
6	Mary Valderama					
7	Susan Stark					
8	Mahm Rizvi					
9	Asher Jones		CHICCA			
10						



AB 617: Community ID Meeting --- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM

Hutton Community Center

660 Colton Avenue, Colton, CA 92324

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	DARBY OSUNA	Counselor	AP417-SSC			
2	Emily Vasquez		resident of colton			
3	Amy Vasquez		resident of colton			
4						
5						
6						
7						
8						
9						
10						

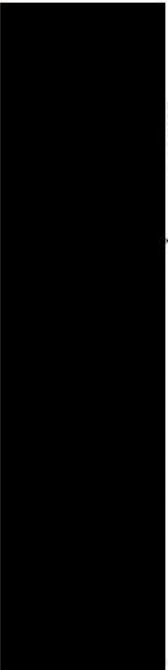




Representative Pete Aguilar  
31st District, California

Andrea Harlin

Senior Field Representative / Grants Coordinator



**Susan Stark**  
Regulatory Affairs Manager  
Policy and Regulatory Affairs



**SENATOR CONNIE M. LEYVA**  
TWENTIETH SENATE DISTRICT  
CALIFORNIA LEGISLATURE

**EDGAR CASTELAN**  
DISTRICT REPRESENTATIVE



Office of Government and Community Relations

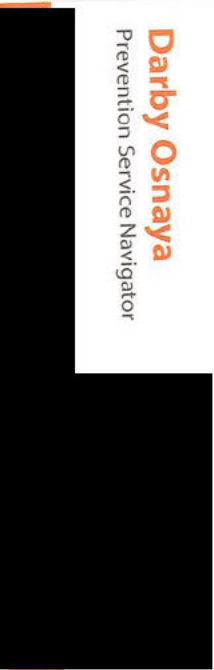
**Edgar A. Astorga, MBA**  
Government and Community Relations Assistant



**APAIT**  
A DIVISION OF SPECIAL SERVICES FOR SENIORS



**Darby Osnaya**  
Prevention Service Navigator



**ELOISE GÓMEZ REYES**  
ASSEMBLY MEMBER, FORTY-SEVENTH DISTRICT

**MAHA RIZVI**  
FIELD REPRESENTATIVE



Myrna Yanez  
Court Certified  
Spanish, English

Interpreter

**Yanez Interpreting**





\* PUBLIC \*

AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Veronica R.					
2	Ram Vercher					
3	Joyce Green		Chicoma			
4	Luis Portillo		IEEP			
5	Anthony Aguirre		UFCW 1420			
6	HAROLD EDER	DIR-	PSA / SCOT PUBLIC SOLAR POWER COOPERATIVE CLUB			
7	Asher Jones		CHICOMAA			
8	NIKI OKUK		CALSTART			
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	CRYSTAL REUL-CHEN	DR.	CARB			
2	Chris Luff		CARB			
3	Dave Salardino	ANSS	CARB			
4	Patricia Contreras					
5	Amanda Maruffo	SR MGR	BN SF			
6	Eileen Selleck		Social Sci.			
7	Ryan Adams		CARB			
8	Peter Herzog	NAIOP				
9	Darrell Amora		LLU			
10	Xiaoxi Liu		CARB			





AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Affiliation	Primary Member	Signature	Alternate Member	Signature	Category
Assemblymember Eloise Reyes Office	Maha Rizvi				Elected Officials
BNSF Railway Company	LaDonna DiCamillo				Business Representative
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias				Community Organization
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez		Agencies, Schools, Universities, Hospitals
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre		Community Organization
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChICCAA)	Jason Martinez		Paula Alvarez Venegas		Community Organization
City of San Bernardino	Chantal Power		Elizabeth Mora-Rodriguez		Agencies, Schools, Universities, Hospitals
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair		Agencies, Schools, Universities, Hospitals
Muscoy Action Committee	Jane Hunt-Ruble				Community Organization
Omnitrans	Anna Jaiswal		Jeremiah Bryant		Agencies, Schools, Universities, Hospitals
Pacific Mountain Logistics - San Bernardino	B.J. Patterson				Business Representative
Resident of Muscoy	Christopher Alonso				Active residents (not representing a community organization or a business)
Resident of Muscoy	Miguel A. Rivera				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Abram Gastelum				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ada Trujillo				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Graciela Regalado				Active residents (not representing a community organization or a business)
Resident of San Bernardino	James Albert				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Lorena Rodarte				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Maria G. Corona				Active residents (not representing a community organization or a business)



Resident of San Bernardino	Mathew Taylor				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Olga Medina				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ruben Garza				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Valerie Dobesh	<i>Valerie Dobesh</i>			Active residents (not representing a community organization or a business)
Safe Routes to School	Demi Espinoza				Community Organization
San Bernardino County Department of Public Health	Bernadette Beltran	<i>B. Beltran</i>	Corwin Porter		Agencies, Schools, Universities, Hospitals
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	<i>S. Peterson</i>	Agencies, Schools, Universities, Hospitals
San Bernardino County Transit Authority	Otis Greer		Nicole Soto		Agencies, Schools, Universities, Hospitals
San Bernardino Valley College	Mary Valdemar	<i>M. Valdemar</i>			Agencies, Schools, Universities, Hospitals
Sierra Club, My Generation	Angelica Balderas				Community Organization
Southern California Edison	Christopher Abel		Tammy Yamasaki	<i>T. Yamasaki</i>	Business Representative
Supervisor Josie Gonzales	Erika Willhite	<i>Erika Willhite</i>	Lisha B. Smith		Elected Officials
Tacos Don Ramon	Angel Rodriguez				Business Representative
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt		Business Representative



\*STAFF\*

AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Madeline Rios	Interpreter	CA Certified Interpreters			
2	Emily Pangar- Martinez	intern	AQMD			
3	Dianne Sanchez	Assistant aq spec.	South coast AQMD			
4	Diana Thai	Prog. Supervisor	SCAQMD			
5	Jokay Ghosh	HCO	SCAQMD			
6	Pedro Piqueras	AQ. Specialist	SCAQMD			
7	RICARDO RIVERA	SSS	SCAQMD			
8	Arlene Farol	Sr. PIS	South coast AQMD			
9	Jack Chin	gta illustrator	South Coast AQMD			
10	Patrice Kwon	AQ Specialist	South Coast AQMD			



**Warren Hawkins, Manager**  
Community Outreach Enforcement Section  
Enforcement Division



[www.arb.ca.gov](http://www.arb.ca.gov)  
8340 Ferguson Ave.  
Sacramento, CA 95828  
@AirResources



**Christopher Lovett, Ph.D.**  
Air Resources Engineer  
Community Assessment Section  
Office of Community Air Protection



[www.arb.ca.gov](http://www.arb.ca.gov)  
1001 I Street  
Sacramento, CA 95814  
@AirResources



**\*STAFF\***

**AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM**

**San Bernardino Valley College**

**701 S. Mt. Vernon, San Bernardino, CA 92410**

*SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING*

*Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento*

**PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS**

**POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES**

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Pavan Rami	Staff Specialist	SCAQM			
2	DANIEL WONG					
3	ANDREA POLIDORI					
4	Marian Coleman	DEO	SCAQM			
5	Terrence Mann	ADCO	" "			
6	VICTOR YIP	SR ENV MANAGER	SOUTH COAST AQMD			
7	Teresa Barrera	Sr. Dep Dist. Counsel	AQMD			
8	Evangelina Barrera	Sr. PIS	South Coast AQMD			
9	NAVEEN BERRY	ADCO	SCAQM			
10	Lan Ma Millan	Mgr	"			





**\*STAFF\***

**AB 617: Community Meeting -- San Bernardino / Muscoy -- June 20, 2019 -- 6:00 PM to 8:30 PM**

**San Bernardino Valley College**

**701 S. Mt. Vernon, San Bernardino, CA 92410**

*SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING*

*Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento*

**PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS**

**POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES**

	<b>Name Nombre</b>	<b>Title Título</b>	<b>Affiliation / Organization Afiliación / Organización</b>	<b>Email Correo Electrónico</b>	<b>Phone Teléfono</b>	<b>Address/City/Zip Dirección/Ciudad/Código Postal</b>
1	Todd Warden					
2						
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- July 18, 2019 -- 5:30 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	Vernon Hughes	CARB					✓	✓
2	PETER HERZOG	NAIOP					✓	✓
3	Dave Salardino	CARB					✓	✓
4	Cesunice Juey	UCR					✓	✓
5	OTIS GREEN	SBCTA					✓	✓
6	Anthony Aguirre						✓	✓
7	PIAN ATAR	CARB					✓	✓
8	Danny Chang	CSUSB						✓
9	Cesar Magaña							✓
10								



AB 617: Community Meeting -- San Bernardino / Muscoy -- July 18, 2019 -- 5:30 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	M. K. C. Benjamin	CACTUS						✓
2	Asher Jones	Volunteer Student	Chico					✓
3	Paula Beauchamp	SBCTA						✓
4	ED SALATWAY	SUPERVISOR MOBIL	CEMEX					✓
5	Daisy Morales							✓
6	Reynold Renaud	CARB						✓
7	Daniel Reeder	Dist. Rep	Asn. Reyes					✓
8	Laura Z-Schmidt	CARB						✓
9	Muoxi Liu	CARB						✓
10	PA							

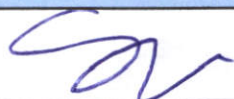

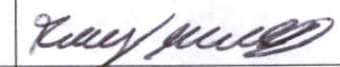
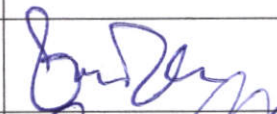
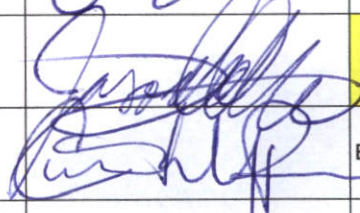
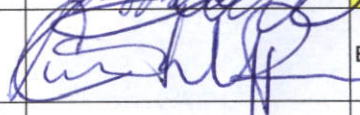

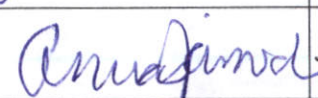





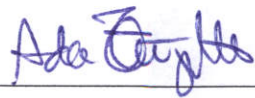
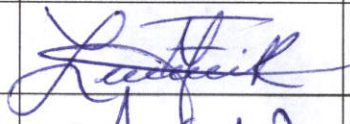

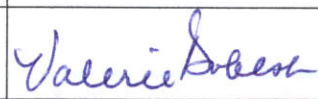
AB 617: Community Meeting -- San Bernardino / Muscoy -- July 18, 2019 -- 6:00 PM to 8:30 PM

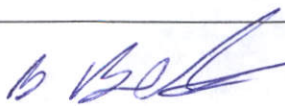

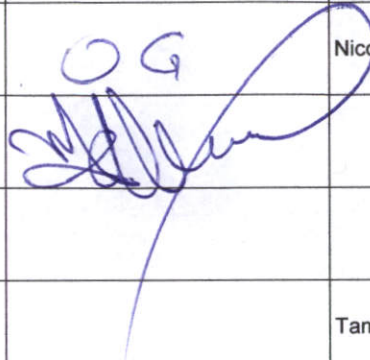
San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Affiliation	Primary Member	Signature	Alternate Member	Signature	Category
Assemblymember Eloise Reyes Office	Maha Rizvi				Elected Officials
BNSF Railway Company	LaDonna DiCamillo				Business Representative
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias				Community Organization
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez		Agencies, Schools, Universities, Hospitals
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre		Community Organization
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChICCCAA)	Jason Martinez				Community Organization
City of San Bernardino	Chantal Power		Elizabeth Mora-Rodriguez		Agencies, Schools, Universities, Hospitals
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair		Agencies, Schools, Universities, Hospitals
Muscoy Action Committee	Jane Hunt-Ruble				Community Organization
Omnitrans	Anna Jaiswal		Jeremiah Bryant		Agencies, Schools, Universities, Hospitals
Pacific Mountain Logistics - San Bernardino	B.J. Patterson				Business Representative



Resident of Muscoy	Christopher Alonso				Active residents (not representing a community organization or a business)
Resident of Muscoy	Miguel A. Rivera				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Abram Gastelum				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ada Trujillo				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Graciela Regalado				Active residents (not representing a community organization or a business)
Resident of San Bernardino	James Albert				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Lorena Rodarte				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Maria G. Corona				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Mathew Taylor				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Olga Medina				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ruben Garza				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Valerie Dobesh				Active residents (not representing a community organization or a business)

Safe Routes to School	Demi Espinoza				Community Organization
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter		Agencies, Schools, Universities, Hospitals
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson		Agencies, Schools, Universities, Hospitals
San Bernardino County Transit Authority	Otis Greer		Nicole Soto		Agencies, Schools, Universities, Hospitals
San Bernardino Valley College	Mary Valdemar				Agencies, Schools, Universities, Hospitals
Sierra Club, My Generation	Angelica Balderas				Community Organization
Southern California Edison	Christopher Abel		Tammy Yamasaki		Business Representative
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith		Elected Officials
Tacos Don Ramon	Angel Rodriguez				Business Representative
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt		Business Representative



ELOISE GÓMEZ REYES  
ASSEMBLYMEMBER, 47TH DISTRICT

DANIEL PEEDEN  
FIELD REPRESENTATIVE

STATE CAPITOL, ROOM 2175  
P.O. Box 942849  
SACRAMENTO, CA 94249-0047

DISTRICT OFFICE  
290 NORTH D STREET, SUITE 903  
SAN BERNARDINO, CA 92401

www.assembly.ca.gov/Reyes

COALITION FOR  
**CLEAN AIR**

Chris Chavez  
Deputy Policy Director

ccair.org



 **CALIFORNIA**  
AIR RESOURCES BOARD

**Warren Hawkins, Manager**  
Community Outreach Enforcement Section  
Enforcement Division

www.arb.ca.gov  
8340 Ferguson Ave.  
Sacramento, CA 95828  
@AirResources

 **CALIFORNIA**  
AIR RESOURCES BOARD

**Jeremy Herbert**  
Staff Air Pollution Specialist  
Community Assessment Branch  
Office of Community Air Protection

www.arb.ca.gov  
1001 I Street  
Sacramento, CA 95814  
@AirResources



South Coast  
**AQMD**

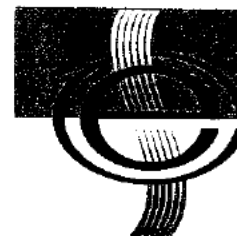
www.aqmd.gov

South Coast  
Air Quality Management District



**ANDREW SILVA**  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino

385 N. Arrowhead Avenue, 5th Floor  
San Bernardino, CA 92415



**community  
environmental  
services**

mark abramowitz  
president

 **CEMEX**

**Ed Salatnay**  
Maintenance Supervisor  
Aggregates - Northern California & Northern Nevada

CEMEX USA

www.cemexusa.com



\*STAFF\*

AB 617: Community Meeting -- San Bernardino / Muscoy -- July 18, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

	Name	Division	Title	Phone Extension
1	Pedro Pigneras.	PRDAS.		
2	Dana Thai	PRDAS		
3	Andrew Politoni	STA		
4	Madeline Rios	CA Certified Interp.		
5	NAVEEN BERRY	TAO		
6	Payam Pakbin	STA		
7	Joseph Impulit Jr	STA		
8	Brian Roche	IM		
9	Jokay Ghosh	PRDAS		
10	Jerry L Shaw	CA M		





\*STAFF\*

AB 617: Community Meeting -- San Bernardino / Muscoy -- July 18, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

	Name	Division	Title	Phone Extension
1	Emily Bangar-Martinez	Planning AB 617		
2	Jacob Law	MSA		
3	Fareez Ahangar	STA		
4	Gina Triviso	LPAM		
5	Arlene Farol	LPAM		
6	Fernando P. Rivera	LPAM		
7	JAEL CHEN	LPAM		
8	Mohammad Soulat	STA		
9	Ryan Stromer	LPAM		
10	DAWEE WONG	LPAM		



AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Asher Jones		Chicoana			
2	Kaydian Anderson		Chicoana			
3	Jonathan Louden		U.C. Davis			
4	Jennifer Hernandez					
5	Jessica Hernandez					
6	Blanca Sanchez					
7	Ismael Ortiz					
8	Terry Allen		CATER			
9	Mario Vazquez		Teamsters 1932			
10	Darrelle Amos		Loma Linda University			



AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	ANTHONY PAPAVERO					
2	Seshrio C. Perez					
3	David Salardino		CARB			
4	Josh Lee	Chief of Planning	SBCTA			
5	Nick Zupolsky					
6	CRYSTAL REUL-CHEN	DR.	CARB			
7	Philip Atencio	<del>CEO</del>	CARB			
8	Anthony Victoria		C(AEJ)			
9	Suzanne Seirright	Director	Calcima			
10	Gloria Cesa Trinidad Cesa					





AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Christine Tran	co-coordinator	Sunrise Inland Empire			
2	Kanoa Stephen S	Co-Coordinator	Sunrise Inland Empire			
3	Veronica Roman	Community Organizer	CCAEL			
4	Consuelo Barrida	''	''			
5	Cesar Magaña					
6	Ete Hart					
7	Martha Romero	Community Organizer	Transfers local 1932			
8	Susan Myers	Member of public	SBUC			
9						
10						





AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Court Smith	co-coordinator	350 Riverside IE Sunrise			
2	Sindona	Faculty	Cona Linda Univ.			
3	Martha Servin		IC (CAE)			
4	Kaiser Ahmed					
5	Luis Portillo		IEEP			
6	Holmes Bassette	APS	ARB			
7	Marley Zelay	OEHHA	OEHHA			
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Francisco Porrás	Court certified Interpreter				
2	Jim Gore					
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Affiliation	Primary Member	Signature	Alternate Member	Signature	Category
Assemblymember Eloise Reyes Office	Maha Rizvi				Elected Officials
BNSF Railway Company	LaDonna DiCamillo				Business Representative
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias				Community Organization
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez		Agencies, Schools, Universities, Hospitals
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre		Community Organization
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChICCCAA)	Jason Martinez				Community Organization
City of San Bernardino	Chantal Power		Elizabeth Mora-Rodriguez		Agencies, Schools, Universities, Hospitals
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair		Agencies, Schools, Universities, Hospitals
Muscoy Action Committee	Jane Hunt-Ruble				Community Organization
Omnitrans	Anna Jaiswal		Jeremiah Bryant		Agencies, Schools, Universities, Hospitals
Pacific Mountain Logistics - San Bernardino	B.J. Patterson				Business Representative
Resident of Muscoy	Christopher Alonso				Active residents (not representing a community organization or a business)
Resident of Muscoy	Miguel A. Rivera				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Cesar Magana				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ada Trujillo				Active residents (not representing a community organization or a business)



Resident of San Bernardino	Graciela Regalado				Active residents (not representing a community organization or a business)
Resident of San Bernardino	James Albert				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Lorena Rodarte				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Maria G. Corona				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Mathew Taylor				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Olga Medina				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Ruben Garza				Active residents (not representing a community organization or a business)
Resident of San Bernardino	Valerie Dobesh				Active residents (not representing a community organization or a business)
Safe Routes to School	Demi Espinoza				Community Organization
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter		Agencies, Schools, Universities, Hospitals
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson		Agencies, Schools, Universities, Hospitals
San Bernardino County Transit Authority	Otis Greer		Nicole Soto		Agencies, Schools, Universities, Hospitals
San Bernardino Valley College	Mary Valdemar				Agencies, Schools, Universities, Hospitals
Sierra Club, My Generation	Angelica Balderas				Community Organization
Southern California Edison	Christopher Abel		Tammy Yamasaki		Business Representative
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith		Elected Officials
Tacos Don Ramon	Angel Rodriguez				Business Representative
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt		Business Representative



South Coast  
**AQMD**

[www.aqmd.gov](http://www.aqmd.gov)

South Coast  
Air Quality Management District



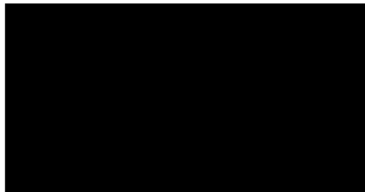
**ANDREW SILVA**  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino

385 N. Arrowhead Avenue, 5th Floor



**COALITION FOR  
CLEAN AIR**

Chris Chavez  
Deputy Policy Director



[ccair.org](http://ccair.org)



**community  
environmental  
services**



mark abramowitz  
president

**Bernadette Shahin**  
Applications Manager

Aeroqual Inc.



[aeroqual.com](http://aeroqual.com)

**aeroqual**



\*STAFF\*

AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

	Name	Division	Title	Phone Extension
1	Evangelina Barrera	LPAM		
2	Ryan Stromer	LPAM		
3	Gina Triviso	LPAM		
4	Ricardo A. Riveto	LPAM		
5	Madeline Newman Rios			
6	Payam Pakbin	AMT		
7	Pedro Pigneras	PRDAS		
8	Nish Krishnamurthy	PRDAS		
9	D. Thai	PRDAS		
10	Daniel Wong	LPAM		



\*STAFF\*

AB 617: Community Meeting -- San Bernardino / Muscoy -- August 15, 2019 -- 6:00 PM to 8:30 PM

San Bernardino Valley College

701 S. Mt. Vernon, San Bernardino, CA 92410

	Name	Division	Title	Phone Extension
1	Jack Chin	CPAM		
2	NAVEEN BERRY	TAU		
3	JALAN LOU	MAD		
4	<del>De</del> Wayne Nastri	EO		
5	Faraz Ahangar	<del>AAS</del> STA		
6	Dianne Sanchez	PDRAS		
7	Andre Odidi	STA		
8	Soken Ghosh	PRDAS		
9	Marian Coleman	CSG		
10	<del>REARZ REBA</del>	<del>EPAM</del>		

THIS PAGE IS INTENTIONALLY LEFT BLANK



---

# APPENDIX 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 3a: Community Profile

### Information on the Best Available Retrofit Control Technology and AB 2588 Program

AB 617 requires air districts to implement Best Available Retrofit Control Technology (BARCT) for facilities in the state greenhouse gas cap-and-trade program by December 31, 2023. The San Bernardino, Muscoy community has facilities that are subject to BARCT, specifically larger facilities that are in the REgional CLean Air Incentives Market (RECLAIM) program. In addition, CARB's Blueprint states that facilities located within the community with Risk Reduction Plans under the Assembly Bill (AB) 2588 program must be identified. Descriptions of the facilities that are subject to BARCT (specifically RECLAIM facilities) and the AB 2588 program are provided below.

### Best Available Retrofit Control Technology (BARCT)

#### *RECLAIM facilities*

Facilities within the RECLAIM program are typically larger facilities that have NOx emissions greater than four tons per year. The RECLAIM program<sup>1</sup> uses a market-based approach to achieve emission reductions from facilities for nitrogen oxides (NOx) and sulfur oxides (SOx) in the aggregate. However, an analysis of the RECLAIM program has shown that the ability to achieve NOx emission reductions using a market-based approach has diminished; therefore, pursuant to Board direction, RECLAIM NOx facilities will transition<sup>i</sup> to a command-and-control regulatory structure to ensure facilities meet BARCT. RECLAIM facilities that are also in the State greenhouse gas cap-and-trade program are subject to the BARCT requirements of AB 617. South Coast AQMD staff completed an analysis of the equipment at each RECLAIM facility, giving higher priority to older, higher polluting units that will need to install retrofit controls. The higher polluting units at RECLAIM facilities will be or have been evaluated for BARCT and will be subject to the following South Coast AQMD rules: Rules 1109.1,<sup>2</sup> 1110.2,<sup>3</sup> 1117,<sup>4</sup> 1118.1,<sup>5</sup> 1134,<sup>6</sup> 1135,<sup>7</sup> 1146, 1146.1, 1146.2,<sup>8</sup> 1147, 1147.1,<sup>9</sup> and 1147.2.<sup>10</sup> A BARCT assessment includes an evaluation of emission limits for existing units, South Coast AQMD regulatory requirements, other regulatory requirements, and pollution control technologies. Table Appendix 3a-1 list the RECLAIM facilities that may be subject to BARCT and whether they are in the State cap-and-trade program.

<sup>i</sup> For more information on the RECLAIM transition please see: <http://www.aqmd.gov/home/rules-compliance/reclaim-transition>.

Table Appendix 3a-1: List of NOx RECLAIM facilities within the  
San Bernardino, Muscoy community

RECLAIM Facility Name	Facility Address	Cap-and-Trade Facility (Yes/No)
MARS PETCARE U.S., INC.	2765 LEXINGTON WAY SUITE 400, SAN BERNARDINO	No

#### *Non-RECLAIM facilities*

As a result of the BARCT assessment conducted for RECLAIM facilities, some equipment at non-RECLAIM facilities will also be affected and will be required to meet BARCT NOx emissions. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities that may be subject to additional requirements is being developed.

#### AB 2588 Program

The AB 2588 Program<sup>11</sup> is a statewide program that requires air districts to establish emissions inventory of air toxics from individual facilities.<sup>ii</sup> The AB 2588 program is implemented in South Coast AQMD through Rule 1402 – Control of Toxic Air Contaminants from Existing Sources<sup>12</sup> which requires certain facilities to conduct Health Risk Assessments to assess the health risk (long-term versus short-term) to the surrounding community. Facilities are required to submit Health Risk Assessments<sup>13</sup> based upon the toxicity and volume of toxic air contaminants released within proximity to potential receptors (e.g., hospitals, residences, work sites). Depending on the risk, facilities may be required to do public notices and hold a public meeting. If a facility is determined to exceed the significant risk level, as determined by each air district, they are required to reduce this risk by submitting a Risk Reduction Plan (RRP).<sup>14</sup> The RRP outlines what measures (e.g., high-efficiency particulate air (HEPA) filters) the facility will incorporate to reduce their risk. (Some facilities may be subject to the AB 2588 program, but do not exceed the action risk threshold and therefore are not required to submit a RRP.) Some facilities may also choose to voluntarily reduce their risk by submitting a voluntary RRP (VRRP).<sup>iii</sup> If a facility has an approved VRRP, the risks will be reduced below the voluntary risk threshold. Table Appendix 3a-2<sup>iv</sup> shows facilities within the San Bernardino, Muscoy community that are currently in the AB 2588 program in the South Coast AQMD. This table includes the facility name, location address, and the most recent status under the AB 2588 program. Facilities in the AB 2588 program without

<sup>ii</sup> The South Coast AQMD's AB 2588 Program incorporates the requirements of the state AB 2588 program, as well as additional and/or more stringent requirements.

<sup>iii</sup> Some facilities may have submitted applications for a VRRP; however, if the facility is found to be already under the voluntary risk threshold, no further reduction measures are required.

<sup>iv</sup> Facilities listed in the table are reducing risk or in the process of reducing risk.

a RRP or VRRP will have the prioritization level (High, Intermediate, or Low)<sup>v</sup> and what year the prioritization was conducted listed as the status. Prioritization is based on reporting every four years.

Table Appendix 3a-2: List of facilities in the AB 2588 program within the San Bernardino, Muscoy community

Facility Name	Facility Address	Status within the AB 2588 Program
ST. BERNARDINE MEDICAL CENTER	2101 N WATERMAN AVE, SAN BERNARDINO	Prioritization from 2017 - Intermediate
CALMAT CO	2400 W HIGHLAND AVE, SAN BERNARDINO	Prioritization from 2017 - Low

#### Technology Clearinghouse

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process. Permit considerations for both new and modified sources throughout the district are based on rule requirements.

#### References

1. South Coast AQMD, RECLAIM, <http://www.aqmd.gov/home/programs/business/business-detail?title=reclaim>, Accessed July 29, 2019.
2. South Coast AQMD, PR 1109.1: Refinery Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1109.1>, Accessed July 29, 2019.

<sup>v</sup> Facilities designated as high priority are required to submit Heath Risk Assessments to assess the risk to their surrounding community. Facilities ranked as Intermediate priority are required to submit a complete toxics inventory once every four years. Facilities ranked as low priority are exempt from reporting.

3. South Coast AQMD, PAR 1110.2: Emissions from Gaseous and Liquid-Fueled Engines, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1110.2>, Accessed July 29, 2019.
4. South Coast AQMD, Rule 1117: Emissions of Oxides of Nitrogen from Glass Melting Furnaces, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1117.pdf>, Accessed July 30, 2019.
5. South Coast AQMD, PR 1118.1: Control of Emissions from Non-Refinery Flares, <https://www.aqmd.gov/home/rules-compliance/compliance/r1118-1>, Accessed July 29, 2019.
6. South Coast AQMD, PAR 1134: Emissions of Oxides of Nitrogen, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1134>, Accessed July 29, 2019.
7. South Coast AQMD, PAR 1135: Emissions of Oxides of Nitrogen from Electricity Generating Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1135>, Accessed July 29, 2019.
8. South Coast AQMD, PAR 1146, 1146.1, 1146.2: Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters; and - Implementation Schedule for NOx Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1146>, Accessed July 29, 2019.
9. South Coast AQMD, PAR 1147, 1147.1: NOx Reductions from Miscellaneous Sources, NOx Reductions from Large Miscellaneous Combustion, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147>, Accessed July 29, 2019.
10. South Coast AQMD, PAR 1147.2: NOx Reductions from Metal Processing Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147.2>, Accessed July 29, 2019.
11. South Coast AQMD, Air Toxics “Hot Spots” Program (AB 2588), <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588>, Accessed July 19, 2019.
12. South Coast AQMD, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1402.pdf>, Accessed August 9, 2019.
13. South Coast AQMD, Health Risk Assessment, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/health-risk-assessment>, Accessed July 19, 2019.
14. South Coast AQMD, Risk Reduction, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/risk-reduction>, Accessed July 19, 2019.

---

# APPENDIX 3B:

## SOURCE ATTRIBUTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK



**2017 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.03	0.03	0.01	0.17	0.00	0.03	0.02	0.01	0.00	0.00
30	Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	28.39	4.75	12.49	16.90	0.27	0.91	0.91	0.90	7.04	0.17
52	Food and Agricultural Processing	0.95	0.42	1.87	3.33	0.05	0.49	0.46	0.46	0.23	0.00
60	Service and Commercial	58.19	12.52	21.10	51.78	1.90	4.83	4.81	4.80	5.13	0.50
99	Other (Fuel Combustion)	0.28	0.20	4.17	1.49	0.01	0.15	0.13	0.12	0.06	0.01
<b>Total Fuel Combustion</b>		<b>87.85</b>	<b>17.92</b>	<b>39.65</b>	<b>73.67</b>	<b>2.23</b>	<b>6.40</b>	<b>6.33</b>	<b>6.29</b>	<b>12.46</b>	<b>0.68</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	2.68	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00
120	Landfills	1843.16	25.80	0.00	0.00	0.00	0.00	0.00	0.00	5.69	0.00
130	Incineration	0.12	0.02	0.11	0.10	0.00	0.02	0.02	0.02	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	21.15	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
<b>Total Waste Disposal</b>		<b>1867.11</b>	<b>29.43</b>	<b>0.11</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>6.44</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	63.60	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	68.71	66.31	0.00	0.00	0.00	3.91	3.75	3.62	0.15	0.00
240	Printing	1.29	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
250	Adhesives and Sealants	15.94	13.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	6.25	3.68	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>163.96</b>	<b>97.93</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.92</b>	<b>3.76</b>	<b>3.63</b>	<b>0.27</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	41.30	41.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>41.33</b>	<b>41.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
410	Chemical	8.63	6.04	0.00	0.00	0.00	0.87	0.74	0.68	0.00	0.10
420	Food and Agriculture	2.24	1.82	1.16	1.30	0.01	1.48	0.72	0.30	0.05	0.00
430	Mineral Processes	1.98	1.98	0.00	0.00	0.00	111.92	72.96	45.14	0.23	0.37
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.03	0.00	6.69
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	7.99	5.59	3.35	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	7.24	7.07	0.01	0.55	0.00	1.52	0.61	0.28	13.44	0.01
<b>Total Industrial Processes</b>		<b>20.10</b>	<b>16.91</b>	<b>1.17</b>	<b>1.85</b>	<b>0.01</b>	<b>123.84</b>	<b>80.66</b>	<b>49.78</b>	<b>13.72</b>	<b>7.17</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	315.94	260.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	37.09	34.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.64	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
540	Asphalt Paving/Roofing	5.09	4.84	0.00	0.00	0.00	0.06	0.06	0.06	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>359.76</b>	<b>302.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

## 2017 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.79	37.92	44.31	198.49	1.29	28.10	26.60	25.79	0.30	0.56
620	Farming Operations	85.12	4.30	0.00	0.00	0.00	2.04	1.05	0.24	29.43	0.08
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	90.81	44.41	4.45	0.00	101.16
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	734.92	335.86	50.71	0.00	182.26
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	10.78	4.94	0.74	0.00	1.85
660	Fires	1.48	1.01	0.35	13.79	0.00	1.87	1.83	1.73	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.42	0.01	0.44	0.43	0.41	0.05	0.02
690	Cooking	7.21	5.04	0.00	0.00	0.00	29.72	29.72	29.72	0.00	8.28
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.20	0.00
	RECLAIM			3.39		0.00					
<b>Total Miscellaneous Processes</b>		<b>181.14</b>	<b>48.57</b>	<b>48.15</b>	<b>215.70</b>	<b>1.30</b>	<b>900.21</b>	<b>445.75</b>	<b>113.88</b>	<b>116.98</b>	<b>294.82</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	99.81	90.32	72.21	929.76	1.82	27.95	27.37	11.54	15.98	4.84
722	Light Duty Trucks 1 (T1)	26.67	24.44	17.51	174.25	0.17	2.32	2.26	1.01	1.58	0.49
723	Light Duty Trucks 2 (T2)	56.70	51.54	53.70	471.45	0.80	9.35	9.15	3.88	7.82	1.67
724	Medium Duty Trucks (T3)	51.25	46.41	48.82	418.14	0.76	7.46	7.30	3.10	9.39	1.35
732	Light Heavy Duty Gas Trucks 1 (T4)	10.49	9.90	8.63	38.19	0.10	1.07	1.05	0.44	0.84	0.15
733	Light Heavy Duty Gas Trucks 2 (T5)	1.59	1.51	1.52	5.34	0.02	0.24	0.24	0.10	0.14	0.03
734	Medium Heavy Duty Gas Trucks (T6)	1.52	1.34	2.39	14.30	0.03	0.26	0.25	0.11	0.08	0.03
736	Heavy Heavy Duty Gas Trucks ((HHD)	1.50	1.20	4.72	28.57	0.01	0.03	0.03	0.01	0.01	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	1.07	0.94	30.60	8.91	0.05	1.16	1.14	0.59	0.03	0.13
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.35	0.30	9.42	2.84	0.02	0.47	0.46	0.23	0.01	0.05
744	Medium Heavy Duty Diesel Truck (T6)	4.59	4.03	72.74	21.00	0.22	5.77	5.70	3.82	0.59	0.37
746	Heavy Heavy Duty Diesel Trucks (HHD)	14.03	9.85	213.95	73.43	0.72	8.36	8.28	5.41	1.22	0.87
750	Motorcycles (MCY)	25.53	22.78	5.95	115.51	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	4.49	0.31	1.86	30.27	0.00	0.07	0.07	0.03	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.08	0.15	0.01	0.06	0.05	0.02	0.02	0.01
771	Gas School Buses (SB)	0.12	0.09	0.14	1.07	0.00	0.12	0.12	0.05	0.01	0.01
772	Diesel School Buses (SB)	0.09	0.08	5.38	0.44	0.01	0.57	0.56	0.26	0.02	0.06
777	Gas Other Buses (OB)	0.27	0.23	0.59	2.73	0.01	0.09	0.09	0.04	0.03	0.01
778	Motor Coaches	0.07	0.06	1.08	0.37	0.00	0.05	0.05	0.04	0.00	0.00
779	Diesel Other Buses (OB)	0.15	0.13	1.54	0.57	0.00	0.13	0.13	0.10	0.01	0.01
780	Motor Homes (MH)	0.27	0.22	1.59	3.95	0.02	0.20	0.20	0.10	0.04	0.02
<b>Total On-Road Motor Vehicles</b>		<b>300.57</b>	<b>265.69</b>	<b>554.42</b>	<b>2341.24</b>	<b>4.78</b>	<b>65.81</b>	<b>64.58</b>	<b>30.92</b>	<b>37.86</b>	<b>10.15</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	19.24	16.14	342.25	83.76	0.31	6.28	6.29	5.74	0.23	0.38
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	17.20	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	10.98	10.97	0.01	0.54	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	131.05	115.36	153.47	1289.74	0.17	10.72	10.27	8.81	0.17	9.43
870	Farm Equipment	0.33	0.28	1.20	2.93	0.00	0.07	0.07	0.07	0.00	0.01
890	Fuel Storage and Handling	18.56	18.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>197.36</b>	<b>178.44</b>	<b>496.93</b>	<b>1376.98</b>	<b>0.48</b>	<b>17.07</b>	<b>16.63</b>	<b>14.62</b>	<b>0.40</b>	<b>9.82</b>
Total Stationary and Area Sources		2721.25	554.20	89.09	291.32	3.54	1034.45	536.57	173.66	149.88	302.67
Total On-Road Vehicles		300.57	265.69	554.42	2341.24	4.78	65.81	64.58	30.92	37.86	10.15
Total Other Mobile		197.36	178.44	496.93	1376.98	0.48	17.07	16.63	14.62	0.40	9.82
<b>Total</b>		<b>3219.18</b>	<b>998.33</b>	<b>1140.44</b>	<b>4009.54</b>	<b>8.80</b>	<b>1117.33</b>	<b>617.78</b>	<b>219.20</b>	<b>188.14</b>	<b>322.64</b>

**2024 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
<b>Fuel Combustion</b>											
	10 Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20 Cogeneration	0.03	0.03	0.02	0.19	0.00	0.03	0.02	0.01	0.00	0.00
	30 Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	40 Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	50 Manufacturing and Industrial	29.64	5.12	13.13	18.29	0.30	0.97	0.96	0.95	7.31	0.19
	52 Food and Agricultural Processing	1.01	0.45	1.99	3.54	0.05	0.52	0.50	0.49	0.24	0.00
	60 Service and Commercial	64.04	13.42	22.41	56.57	2.22	5.33	5.31	5.30	5.42	0.55
	99 Other (Fuel Combustion)	0.24	0.16	3.61	1.33	0.01	0.13	0.12	0.10	0.06	0.01
	<b>Total Fuel Combustion</b>	<b>94.96</b>	<b>19.17</b>	<b>41.17</b>	<b>79.92</b>	<b>2.58</b>	<b>6.97</b>	<b>6.90</b>	<b>6.85</b>	<b>13.02</b>	<b>0.75</b>
<b>Waste Disposal</b>											
	110 Sewage Treatment	3.02	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00
	120 Landfills	1969.36	27.57	0.00	0.00	0.00	0.00	0.00	0.00	6.08	0.00
	130 Incineration	0.13	0.02	0.11	0.11	0.00	0.02	0.02	0.02	0.01	0.00
	140 Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	199 Other (Waste Disposal)	27.23	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
	<b>Total Waste Disposal</b>	<b>1999.74</b>	<b>31.94</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>6.93</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
	210 Laundering	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	220 Degreasing	72.10	14.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	230 Coatings and Related Processes	80.40	77.58	0.00	0.00	0.00	4.46	4.28	4.13	0.16	0.00
	240 Printing	1.37	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
	250 Adhesives and Sealants	18.08	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	299 Other (Cleaning and Surface Coatings)	6.84	4.04	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
	<b>Total Cleaning and Surface Coatings</b>	<b>188.01</b>	<b>113.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.47</b>	<b>4.29</b>	<b>4.14</b>	<b>0.29</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
	310 Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	320 Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	330 Petroleum Marketing	35.81	35.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	399 Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total Petroleum Production and Marketing</b>	<b>35.84</b>	<b>35.73</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
	410 Chemical	9.76	6.83	0.00	0.00	0.00	0.98	0.84	0.77	0.00	0.11
	420 Food and Agriculture	2.38	1.94	1.23	1.38	0.01	1.57	0.77	0.32	0.06	0.00
	430 Mineral Processes	2.22	2.22	0.00	0.00	0.00	114.37	73.99	45.96	0.25	0.42
	440 Metal Processes	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.03	0.00	7.33
	450 Wood and Paper	0.00	0.00	0.00	0.00	0.00	8.96	6.27	3.76	0.00	0.00
	460 Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	470 Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	499 Other (Industrial Processes)	7.84	7.66	0.01	0.62	0.00	1.64	0.66	0.31	13.44	0.01
	<b>Total Industrial Processes</b>	<b>22.21</b>	<b>18.65</b>	<b>1.24</b>	<b>2.00</b>	<b>0.01</b>	<b>127.60</b>	<b>82.57</b>	<b>51.15</b>	<b>13.75</b>	<b>7.86</b>
<b>Solvent Evaporation</b>											
	510 Consumer Products	328.74	271.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	520 Architectural Coatings and Related Solvent	39.38	37.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	530 Pesticides/Fertilizers	1.74	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
	540 Asphalt Paving/Roofing	6.24	5.92	0.00	0.00	0.00	0.08	0.07	0.07	0.00	0.00
	<b>Total Solvent Evaporation</b>	<b>376.10</b>	<b>316.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.07</b>	<b>0.07</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

2024 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.62	37.85	38.69	197.91	1.31	27.99	26.49	25.68	0.30	0.58
620	Farming Operations	61.56	3.17	0.00	0.00	0.00	1.48	0.78	0.20	21.58	0.05
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	111.25	54.40	5.45	0.00	123.93
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	781.10	356.96	53.90	0.00	193.71
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	8.07	3.71	0.55	0.00	1.52
660	Fires	1.45	0.99	0.34	13.44	0.00	1.85	1.81	1.71	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.42	0.01	0.44	0.43	0.41	0.05	0.02
690	Cooking	8.15	5.69	0.00	0.00	0.00	33.57	33.57	33.57	0.00	9.35
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.57	0.00
	RECLAIM			2.64		0.00					
Total Miscellaneous Processes		158.32	48.00	41.77	214.77	1.32	967.28	479.06	121.56	112.50	329.77
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	59.30	55.38	34.36	575.36	1.59	29.83	29.23	12.22	13.92	5.00
722	Light Duty Trucks 1 (T1)	11.73	11.00	5.86	67.91	0.12	1.95	1.91	0.81	1.07	0.35
723	Light Duty Trucks 2 (T2)	37.69	35.28	23.09	275.55	0.66	9.87	9.67	4.05	7.03	1.68
724	Medium Duty Trucks (T3)	29.36	27.41	18.36	196.35	0.52	6.26	6.13	2.57	6.61	1.06
732	Light Heavy Duty Gas Trucks 1 (T4)	4.90	4.69	3.60	13.66	0.06	0.67	0.65	0.28	0.43	0.09
733	Light Heavy Duty Gas Trucks 2 (T5)	1.01	0.97	0.87	2.68	0.02	0.19	0.18	0.08	0.08	0.02
734	Medium Heavy Duty Gas Trucks (T6)	0.77	0.69	0.94	5.95	0.03	0.28	0.27	0.11	0.09	0.03
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.31	0.23	1.45	10.69	0.01	0.02	0.02	0.01	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.61	0.53	12.85	5.01	0.04	0.94	0.93	0.45	0.03	0.11
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.23	0.20	4.50	1.89	0.02	0.45	0.44	0.21	0.01	0.05
744	Medium Heavy Duty Diesel Truck (T6)	0.19	0.17	31.87	3.46	0.24	4.31	4.24	1.82	0.80	0.49
746	Heavy Heavy Duty Diesel Trucks (HHD)	6.15	2.54	136.74	64.16	0.78	6.36	6.29	2.70	1.61	1.02
750	Motorcycles (MCY)	25.27	22.39	5.76	101.73	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	2.80	0.04	0.22	34.12	0.00	0.06	0.06	0.02	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.05	0.13	0.01	0.06	0.05	0.02	0.02	0.01
771	Gas School Buses (SB)	0.12	0.09	0.13	0.93	0.00	0.15	0.15	0.06	0.01	0.02
772	Diesel School Buses (SB)	0.06	0.05	3.98	0.41	0.01	0.56	0.55	0.24	0.02	0.06
777	Gas Other Buses (OB)	0.29	0.26	0.42	2.13	0.01	0.11	0.10	0.04	0.03	0.01
778	Motor Coaches	0.01	0.01	0.42	0.15	0.00	0.04	0.04	0.02	0.01	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.52	0.05	0.00	0.06	0.06	0.03	0.01	0.01
780	Motor Homes (MH)	0.10	0.08	0.78	1.00	0.01	0.13	0.13	0.06	0.03	0.01
Total On-Road Motor Vehicles		180.91	162.02	286.77	1363.32	4.14	62.38	61.18	25.84	31.86	10.06
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	12.12	10.17	242.44	90.14	0.34	3.95	3.95	3.62	0.25	0.24
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	13.99	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	9.85	9.84	0.02	0.68	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	129.06	112.85	111.97	1426.00	0.22	8.12	7.65	6.33	0.23	10.21
870	Farm Equipment	0.23	0.19	0.85	2.94	0.00	0.05	0.05	0.05	0.00	0.01
890	Fuel Storage and Handling	14.75	14.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		180.00	161.73	355.28	1519.77	0.56	12.12	11.65	10.00	0.48	10.46
Total Stationary and Area Sources		2875.18	582.94	84.29	296.80	3.92	1106.42	572.91	183.78	146.49	338.38
Total On-Road Vehicles		180.91	162.02	286.77	1363.32	4.14	62.38	61.18	25.84	31.86	10.06
Total Other Mobile		180.00	161.73	355.28	1519.77	0.56	12.12	11.65	10.00	0.48	10.46
Total		3236.09	906.69	726.34	3179.89	8.62	1180.92	645.74	219.62	178.83	358.90

**2029 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.03	0.03	0.02	0.19	0.00	0.03	0.02	0.01	0.00	0.00
30	Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	28.65	5.11	13.12	18.46	0.31	0.94	0.93	0.93	7.00	0.19
52	Food and Agricultural Processing	1.03	0.46	2.02	3.62	0.05	0.53	0.50	0.50	0.24	0.00
60	Service and Commercial	66.30	13.29	22.30	57.76	2.41	5.55	5.53	5.52	5.21	0.54
99	Other (Fuel Combustion)	0.24	0.16	3.63	1.33	0.01	0.13	0.12	0.10	0.06	0.01
<b>Total Fuel Combustion</b>		<b>96.26</b>	<b>19.05</b>	<b>41.10</b>	<b>81.36</b>	<b>2.78</b>	<b>7.17</b>	<b>7.10</b>	<b>7.06</b>	<b>12.52</b>	<b>0.74</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	3.25	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
120	Landfills	2077.78	29.09	0.00	0.00	0.00	0.00	0.00	0.00	6.41	0.00
130	Incineration	0.13	0.02	0.11	0.11	0.00	0.02	0.02	0.02	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	29.54	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00
<b>Total Waste Disposal</b>		<b>2110.70</b>	<b>33.80</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>7.29</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	9.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	76.20	15.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	87.09	84.01	0.00	0.00	0.00	4.76	4.57	4.41	0.17	0.00
240	Printing	1.42	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
250	Adhesives and Sealants	19.10	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	7.13	4.21	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>200.86</b>	<b>121.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.77</b>	<b>4.58</b>	<b>4.42</b>	<b>0.31</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	32.66	32.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>32.69</b>	<b>32.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
410	Chemical	10.22	7.14	0.00	0.00	0.00	1.03	0.88	0.80	0.00	0.11
420	Food and Agriculture	2.44	1.98	1.26	1.41	0.01	1.61	0.78	0.33	0.06	0.00
430	Mineral Processes	2.39	2.39	0.00	0.00	0.00	116.02	74.68	46.51	0.26	0.45
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.03	0.00	7.64
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	9.37	6.56	3.93	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	8.31	8.12	0.01	0.66	0.00	1.71	0.69	0.32	13.44	0.01
<b>Total Industrial Processes</b>		<b>23.35</b>	<b>19.62</b>	<b>1.27</b>	<b>2.08</b>	<b>0.01</b>	<b>129.81</b>	<b>83.64</b>	<b>51.92</b>	<b>13.76</b>	<b>8.21</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	333.40	275.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	39.73	37.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
540	Asphalt Paving/Roofing	6.81	6.47	0.00	0.00	0.00	0.09	0.08	0.08	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>381.69</b>	<b>321.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.09</b>	<b>0.08</b>	<b>0.08</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

## 2029 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.53	37.81	34.77	197.57	1.32	27.92	26.42	25.61	0.30	0.58
620	Farming Operations	61.56	3.17	0.00	0.00	0.00	1.48	0.78	0.20	21.58	0.05
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	121.40	59.37	5.95	0.00	135.24
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	809.79	370.07	55.88	0.00	200.83
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	6.60	3.04	0.45	0.00	1.33
660	Fires	1.40	0.95	0.32	12.81	0.00	1.81	1.77	1.67	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.43	0.01	0.45	0.44	0.41	0.05	0.02
690	Cooking	8.76	6.12	0.00	0.00	0.00	36.11	36.11	36.11	0.00	10.06
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.59	0.00
	RECLAIM			2.64		0.00					
<b>Total Miscellaneous Processes</b>		<b>158.79</b>	<b>48.35</b>	<b>37.83</b>	<b>213.81</b>	<b>1.33</b>	<b>1007.09</b>	<b>498.91</b>	<b>126.37</b>	<b>112.52</b>	<b>348.72</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	47.80	45.20	26.85	494.34	1.38	30.55	29.95	12.40	13.45	4.93
722	Light Duty Trucks 1 (T1)	7.45	7.06	3.34	45.11	0.10	1.87	1.84	0.77	0.97	0.32
723	Light Duty Trucks 2 (T2)	30.51	28.90	15.56	229.61	0.56	10.16	9.96	4.14	7.14	1.66
724	Medium Duty Trucks (T3)	21.73	20.59	10.80	142.72	0.41	5.94	5.82	2.42	6.13	0.97
732	Light Heavy Duty Gas Trucks 1 (T4)	3.43	3.31	2.10	8.34	0.04	0.54	0.53	0.22	0.30	0.07
733	Light Heavy Duty Gas Trucks 2 (T5)	0.78	0.75	0.64	2.12	0.01	0.18	0.18	0.07	0.07	0.02
734	Medium Heavy Duty Gas Trucks (T6)	0.66	0.61	0.68	4.74	0.03	0.31	0.30	0.13	0.10	0.04
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.19	0.14	1.04	9.91	0.00	0.02	0.02	0.01	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.45	0.39	6.46	3.71	0.04	0.89	0.88	0.40	0.03	0.11
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.19	0.17	2.54	1.59	0.02	0.47	0.46	0.22	0.01	0.06
744	Medium Heavy Duty Diesel Truck (T6)	0.20	0.18	35.21	4.23	0.25	4.93	4.84	2.08	0.92	0.56
746	Heavy Heavy Duty Diesel Trucks (HHD)	6.48	2.65	143.30	75.85	0.80	7.34	7.25	3.06	1.90	1.19
750	Motorcycles (MCY)	25.27	22.29	5.74	98.24	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	2.60	0.04	0.19	33.88	0.00	0.06	0.06	0.02	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.04	0.14	0.00	0.06	0.06	0.02	0.02	0.01
771	Gas School Buses (SB)	0.14	0.10	0.12	0.93	0.00	0.17	0.17	0.07	0.01	0.02
772	Diesel School Buses (SB)	0.04	0.04	2.71	0.40	0.01	0.55	0.54	0.24	0.02	0.06
777	Gas Other Buses (OB)	0.31	0.28	0.34	1.86	0.01	0.11	0.11	0.05	0.04	0.01
778	Motor Coaches	0.01	0.01	0.42	0.18	0.00	0.04	0.04	0.02	0.01	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.53	0.06	0.00	0.07	0.07	0.03	0.01	0.01
780	Motor Homes (MH)	0.05	0.05	0.49	0.43	0.01	0.11	0.11	0.05	0.03	0.01
<b>Total On-Road Motor Vehicles</b>		<b>148.30</b>	<b>132.77</b>	<b>259.10</b>	<b>1158.39</b>	<b>3.68</b>	<b>64.45</b>	<b>63.27</b>	<b>26.46</b>	<b>31.21</b>	<b>10.09</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	9.24	7.75	168.10	95.38	0.36	2.78	2.78	2.55	0.26	0.17
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	11.85	11.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	8.61	8.60	0.02	0.73	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	133.17	116.26	93.53	1512.02	0.22	7.27	6.76	5.47	0.23	10.80
870	Farm Equipment	0.20	0.17	0.67	3.00	0.00	0.04	0.04	0.04	0.00	0.02
890	Fuel Storage and Handling	12.88	12.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>175.95</b>	<b>157.46</b>	<b>262.32</b>	<b>1611.14</b>	<b>0.58</b>	<b>10.09</b>	<b>9.58</b>	<b>8.06</b>	<b>0.49</b>	<b>10.99</b>
Total Stationary and Area Sources		3004.33	596.02	80.31	297.35	4.12	1148.96	594.33	189.87	146.41	357.67
Total On-Road Vehicles		148.30	132.77	259.10	1158.39	3.68	64.45	63.27	26.46	31.21	10.09
Total Other Mobile		175.95	157.46	262.32	1611.14	0.58	10.09	9.58	8.06	0.49	10.99
<b>Total</b>		<b>3328.58</b>	<b>886.25</b>	<b>601.73</b>	<b>3066.88</b>	<b>8.38</b>	<b>1223.50</b>	<b>667.18</b>	<b>224.39</b>	<b>178.11</b>	<b>378.75</b>

2017 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)

CODE	Source Category	Benzene	Butadiene	tetrachloride	Dioxane	dibromide	dichloride	ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	161.22	1.05	0.00	0.00	0.00	0.00	0.00	1037.36	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.53	0.00	0.00	0.17	0.00
52	Food and Agricultural Processing	1.39	0.07	0.00	0.00	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
60	Service and Commercial	1496.39	1.49	0.00	0.00	0.02	0.79	0.00	3194.68	0.72	1.09	1.92	0.95	0.00	0.17	0.00	0.03	0.00	1.07	0.13	0.00	0.50	0.00
99	Other (Fuel Combustion)	8.50	1.02	0.00	0.00	0.00	0.00	0.00	62.74	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.01	116.00
Total Fuel Combustion		1668.89	3.62	0.00	0.00	0.02	0.79	0.00	4298.20	0.73	1.09	1.92	0.95	0.00	0.24	0.00	0.04	0.00	1.60	0.13	0.00	0.68	118.00
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	755.33	0.00	0.37	0.00	0.00	35.39	0.00	0.00	1057.98	538.94	399.60	322.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		755.37	0.00	0.37	0.00	0.00	35.39	0.00	0.09	1057.98	538.94	399.60	322.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3184.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6883.94	254.00	0.00	35.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.83	0.00	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6991.28	3438.00	0.00	35.34	0.00	0.00	0.00	10.83	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	370.81	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		371.30	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
410	Chemical	451.85	2582.00	0.00	0.00	0.00	0.00	0.00	230.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.01	0.87	0.00	0.00	0.10	0.00
420	Food and Agriculture	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	6.45	0.00	0.00	0.00	0.00	0.00	0.00	52.84	0.00	0.00	0.00	0.00	0.00	58.36	0.00	0.17	0.01	93.18	9.13	0.05	0.37	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.39	0.17	0.00	6.69	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	1.40	0.08	0.00	0.00	0.00	0.00	0.00	10.24	26.52	90.18	0.00	10.49	0.00	1.82	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
Total Industrial Processes		459.85	2582.08	0.00	0.00	0.00	0.00	0.00	293.54	26.52	90.18	0.00	10.49	0.00	60.18	0.00	1.14	0.03	94.51	9.31	0.05	7.17	0.00
Solvent Evaporation																							
510	Consumer Products	0.04	0.00	0.01	0.00	0.00	0.00	0.00	15.41	12256.30	1858.94	0.00	993.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.87	48.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	15.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		15.46	0.00	0.01	0.00	0.00	0.00	0.00	15.41	12400.17	1907.52	0.00	993.70	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)

2017 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)

CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formalde- hyde	Methylene chloride	Perchloro- ethylene	Vinyl chloride	Trichloro- ethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	570.64	0.00	0.00	0.00	0.00	0.00	0.00	7881.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	7.03	0.19	0.00	0.56	0.00	
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.00	0.08	0.00	
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.72	3.09	0.00	101.16	0.00	
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	0.00	17.64	19.11	0.00	182.26	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.05	0.00	0.40	0.00	
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	1.09	0.34	0.00	1.85	0.00
660	Fires	0.00	27.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00
670	Waste Burning and Disposal	2.93	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00
690	Cooking	37.96	48.02	0.00	0.00	0.00	0.00	0.00	770.55	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.11	0.00	1.91	0.11	0.00	8.28	0.00	
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		611.53	85.56	0.00	0.00	0.00	0.00	0.00	8652.51	0.00	0.00	0.00	0.00	0.00	1.20	1.22	9.11	0.00	38.60	22.93	0.00	294.82	0.00	
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	4717.42	566.22	0.00	0.00	0.00	0.00	0.00	1974.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	2.69	29.85	0.47	0.00	4.84	116.00	
722	Light Duty Trucks 1 (T1)	1180.28	115.37	0.00	0.00	0.00	0.00	0.00	441.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	2.37	0.04	0.00	0.49	18.00
723	Light Duty Trucks 2 (T2)	2643.33	308.19	0.00	0.00	0.00	0.00	0.00	1069.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.90	9.96	0.16	0.00	1.67	6.00
724	Medium Duty Trucks (T3)	2471.93	319.80	0.00	0.00	0.00	0.00	0.00	1078.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	7.95	0.13	0.00	1.35	24.00
732	Light Heavy Duty Gas Trucks 1 (T4)	418.08	29.59	0.00	0.00	0.00	0.00	0.00	115.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.27	0.02	0.00	0.15	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	62.28	4.13	0.00	0.00	0.00	0.00	0.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.29	0.00	0.00	0.03	0.00
734	Medium Heavy Duty Gas Trucks (T6)	78.17	7.65	0.00	0.00	0.00	0.00	0.00	33.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31	0.00	0.00	0.03	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	95.00	7.90	0.00	0.00	0.00	0.00	0.00	51.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	42.90	4.07	0.00	0.00	0.00	0.00	0.00	315.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	1.09	0.02	0.00	0.13	460.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	13.89	1.32	0.00	0.00	0.00	0.00	0.00	102.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.47	0.01	0.00	0.05	154.00
744	Medium Heavy Duty Diesel Truck (T6)	183.73	17.45	0.00	0.00	0.00	0.00	0.00	1351.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.35	3.78	0.06	0.00	0.37	5408.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	561.48	53.31	0.00	0.00	0.00	0.00	0.00	4128.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.36	3.86	0.06	0.00	0.87	8126.00
750	Motorcycles (MCY)	1407.59	221.22	0.00	0.00	0.00	0.00	0.00	859.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.03	0.00
760	Diesel Urban Buses (UB)	179.89	17.08	0.00	0.00	0.00	0.00	0.00	1322.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.01	6.00
762	Gas Urban Buses (UB)	0.80	0.08	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
771	Gas School Buses (SB)	8.47	0.57	0.00	0.00	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.16	0.00	0.00	0.01	0.00
772	Diesel School Buses (SB)	3.68	0.35	0.00	0.00	0.00	0.00	0.00	27.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	76.00
777	Gas Other Buses (OB)	14.53	1.43	0.00	0.00	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.00	0.01	0.00
778	Motor Coaches	2.72	0.26	0.00	0.00	0.00	0.00	0.00	20.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	52.00
779	Diesel Other Buses (OB)	5.88	0.56	0.00	0.00	0.00	0.00	0.00	43.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.01	170.00
780	Motor Homes (MH)	16.06	1.17	0.00	0.00	0.00	0.00	0.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.21	0.00	0.00	0.02	56.00
Total On-Road Motor Vehicles		14108.11	1677.72	0.00	0.00	0.00	0.00	0.00	12974.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	5.69	62.72	0.98	0.00	10.15	14672.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	770.14	73.13	0.00	0.00	0.00	0.00	0.00	5663.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.04	0.20	0.05	0.00	0.38	12564.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	250.25	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	124.75	1.20	0.00	0.00	0.00	0.00	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	6290.77	1348.53	0.00	0.00	0.00	0.00	0.00	9502.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.21	9.44	0.02	0.00	9.43	12450.00
870	Farm Equipment	12.75	1.72	0.00	0.00	0.00	0.00	0.00	63.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	134.00
890	Fuel Storage and Handling	203.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		7652.63	1424.88	0.00	0.00	0.00	0.00	0.00	15233.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.25	9.65	0.07	0.00	9.82	25148.00
Total Stationary and Area Sources		3888.25	2675.22	0.38	0.00	0.02	36.18	0.00	13259.75	20476.68	5975.73	401.52	1363.40	0.00	61.62	1.22	21.30	0.03	134.71	32.36	0.05	302.67	118.00	
Total On-Road Vehicles		14108.11	1677.72	0.00	0.00	0.00	0.00	0.00	12974.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	5.69	62.72	0.98	0.00	10.15		



2024 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
	10 Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20 Cogeneration	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	30 Oil and Gas Production (combustion)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	40 Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	50 Manufacturing and Industrial	167.73	1.18	0.00	0.00	0.01	0.00	0.00	1117.09	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.56	0.01	0.00	0.19	0.00
	52 Food and Agricultural Processing	1.47	0.07	0.00	0.00	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
	60 Service and Commercial	1548.12	1.72	0.00	0.00	0.02	0.89	0.00	3336.10	0.81	1.23	2.17	1.07	0.00	0.19	0.00	0.03	0.00	1.13	0.14	0.00	0.55	0.00
	99 Other (Fuel Combustion)	6.40	0.84	0.00	0.00	0.00	0.00	0.00	47.47	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.01	78.00
Total Fuel Combustion		1725.24	3.82	0.00	0.00	0.03	0.90	0.00	4504.22	0.82	1.23	2.17	1.07	0.00	0.27	0.00	0.05	0.00	1.69	0.15	0.00	0.75	82.00
Waste Disposal																							
	110 Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	120 Landfills	807.04	0.00	0.39	0.00	0.00	37.81	0.00	0.00	1130.41	575.84	426.96	345.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	130 Incineration	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	140 Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	199 Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		807.08	0.00	0.39	0.00	0.00	37.81	0.00	0.10	1130.41	575.84	426.96	345.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cleaning and Surface Coatings																							
	210 Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	220 Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7805.98	290.00	0.00	41.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	230 Coatings and Related Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.37	0.00	0.00	0.00	0.00	0.00	0.00
	240 Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	250 Adhesives and Sealants	6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	299 Other (Cleaning and Surface Coatings)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7927.66	290.00	0.00	41.52	0.00	0.00	0.00	12.37	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
	310 Oil and Gas Production	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	320 Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	330 Petroleum Marketing	298.76	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	399 Other (Petroleum Production and Marketing)	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		299.25	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
	410 Chemical	511.21	2921.20	0.00	0.00	0.00	0.00	0.00	269.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.01	0.98	0.00	0.00	0.11	0.00
	420 Food and Agriculture	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	430 Mineral Processes	7.22	0.00	0.00	0.00	0.00	0.00	0.00	59.13	0.00	0.00	0.00	0.00	0.00	65.31	0.00	0.19	0.01	93.30	11.15	0.06	0.42	0.00
	440 Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.43	0.18	0.00	7.33	0.00
	450 Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	460 Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	470 Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	499 Other (Industrial Processes)	1.57	0.09	0.00	0.00	0.00	0.00	0.00	11.46	28.33	96.35	0.00	11.21	0.00	2.04	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
Total Industrial Processes		520.16	2921.29	0.00	0.00	0.00	0.00	0.00	340.42	28.33	96.35	0.00	11.21	0.00	67.34	0.00	1.28	0.03	94.78	11.33	0.06	7.86	0.00
Solvent Evaporation																							
	510 Consumer Products	0.04	0.00	0.01	0.00	0.00	0.00	0.00	15.96	12824.22	1953.77	0.00	1041.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	520 Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.65	51.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	530 Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	540 Asphalt Paving/Roofing	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		18.94	0.00	0.01	0.00	0.00	0.00	0.00	15.96	12976.87	2005.32	0.00	1041.84	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2024 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	hyde	Methylene chloride	Perchloro-ethylene	Vinyl chloride	Trichloro-ethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	557.36	0.00	0.00	0.00	0.00	0.00	0.00	7855.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	6.87	0.20	0.00	0.58	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.05	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.67	0.00	13.13	3.78	0.00	123.93	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.69	0.00	18.75	20.31	0.00	193.71	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.05	0.00	0.40	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.82	0.26	0.00	1.52	0.00
660	Fires	0.00	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00
670	Waste Burning and Disposal	3.23	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00
690	Cooking	42.87	54.24	0.00	0.00	0.00	0.00	0.00	870.41	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.12	0.00	2.15	0.12	0.00	9.35	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		603.46	91.24	0.00	0.00	0.00	0.00	0.00	8726.27	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.43	10.15	0.00	41.90	24.75	0.00	329.77	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	2503.86	293.82	0.00	0.00	0.00	0.00	0.00	896.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	2.89	32.07	0.50	0.00	5.00	50.00
722	Light Duty Trucks 1 (T1)	470.80	42.55	0.00	0.00	0.00	0.00	0.00	147.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	2.06	0.03	0.00	0.35	8.00
723	Light Duty Trucks 2 (T2)	1558.64	167.63	0.00	0.00	0.00	0.00	0.00	522.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.96	10.59	0.17	0.00	1.68	4.00
724	Medium Duty Trucks (T3)	1232.58	138.92	0.00	0.00	0.00	0.00	0.00	433.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.61	6.71	0.11	0.00	1.06	18.00
732	Light Heavy Duty Gas Trucks 1 (T4)	182.63	10.42	0.00	0.00	0.00	0.00	0.00	39.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.79	0.01	0.00	0.09	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	37.32	2.35	0.00	0.00	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
734	Medium Heavy Duty Gas Trucks (T6)	36.11	3.46	0.00	0.00	0.00	0.00	0.00	13.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.34	0.01	0.00	0.03	0.00
736	Heavy Heavy Duty Gas Trucks (HHD)	20.73	1.18	0.00	0.00	0.00	0.00	0.00	10.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	24.25	2.30	0.00	0.00	0.00	0.00	0.00	178.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.95	0.02	0.00	0.11	268.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	9.32	0.89	0.00	0.00	0.00	0.00	0.00	68.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.47	0.01	0.00	0.05	114.00
744	Medium Heavy Duty Diesel Truck (T6)	7.64	0.73	0.00	0.00	0.00	0.00	0.00	56.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	5.12	0.08	0.00	0.49	262.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	246.08	23.37	0.00	0.00	0.00	0.00	0.00	1809.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	5.04	0.07	0.00	1.02	1398.00
750	Motorcycles (MCY)	1375.60	200.08	0.00	0.00	0.00	0.00	0.00	799.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.03	0.00
760	Diesel Urban Buses (UB)	112.26	10.66	0.00	0.00	0.00	0.00	0.00	825.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	4.00
762	Gas Urban Buses (UB)	0.48	0.05	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
771	Gas School Buses (SB)	8.72	0.62	0.00	0.00	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.00	0.00	0.02	0.00
772	Diesel School Buses (SB)	2.44	0.23	0.00	0.00	0.00	0.00	0.00	17.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	44.00
777	Gas Other Buses (OB)	13.75	1.30	0.00	0.00	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.00	0.00	0.01	0.00
778	Motor Coaches	0.36	0.03	0.00	0.00	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	8.00
779	Diesel Other Buses (OB)	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.01	8.00
780	Motor Homes (MH)	5.28	0.31	0.00	0.00	0.00	0.00	0.00	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.00	0.01	32.00
Total On-Road Motor Vehicles		7848.93	900.91	0.00	0.00	0.00	0.00	0.00	5845.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	5.93	65.88	1.02	0.00	10.06	2218.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	485.20	46.07	0.00	0.00	0.00	0.00	0.00	3567.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.02	0.13	0.03	0.00	0.24	7904.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	206.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	112.04	1.10	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	6564.79	1449.51	0.00	0.00	0.00	0.00	0.00	9014.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.21	10.23	0.01	0.00	10.21	6438.00
870	Farm Equipment	9.65	1.40	0.00	0.00	0.00	0.00	0.00	46.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	96.00
890	Fuel Storage and Handling	162.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		7539.79	1498.34	0.00	0.00	0.00	0.00	0.00	12633.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.23	10.37	0.04	0.00	10.46	14438.00
Total Stationary and Area Sources		3980.77	3020.67	0.40	0.00	0.03	38.71	0.00	13586.97	22064.10	2968.74	429.13	1440.67	0.00	68.96	1.43	24.07	0.03	138.37	36.24	0.06	338.38	82.00	
Total On-Road Vehicles		784848																						

2029 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
	10 Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20 Cogeneration	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	30 Oil and Gas Production (combustion)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	40 Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	50 Manufacturing and Industrial	161.48	1.25	0.00	0.00	0.01	0.00	0.00	1119.01	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00	0.54	0.01	0.00	0.19	0.00
	52 Food and Agricultural Processing	1.47	0.08	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
	60 Service and Commercial	1451.95	1.89	0.00	0.00	0.03	0.97	0.00	3167.67	0.88	1.32	2.33	1.16	0.00	0.21	0.00	0.04	0.00	1.09	0.15	0.00	0.54	0.00
	99 Other (Fuel Combustion)	6.43	0.86	0.00	0.00	0.00	0.00	0.00	47.65	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.01	78.00
Total Fuel Combustion		1622.85	4.07	0.00	0.00	0.03	0.97	0.00	4337.68	0.89	1.32	2.33	1.16	0.00	0.29	0.00	0.06	0.00	1.64	0.16	0.00	0.74	82.00
Waste Disposal																							
	110 Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	120 Landfills	851.48	0.00	0.42	0.00	0.00	39.89	0.00	0.00	1192.65	607.54	450.46	364.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	130 Incineration	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	140 Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	199 Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		851.52	0.00	0.42	0.00	0.00	39.89	0.00	0.10	1192.65	607.54	450.46	364.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cleaning and Surface Coatings																							
	210 Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	220 Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8250.58	306.00	0.00	41.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	230 Coatings and Related Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.22	0.00	0.00	0.00	0.00	0.00	0.00
	240 Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	250 Adhesives and Sealants	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	299 Other (Cleaning and Surface Coatings)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8379.26	306.00	0.00	41.61	0.00	0.00	0.00	13.22	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
	310 Oil and Gas Production	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	320 Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	330 Petroleum Marketing	255.94	4.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	399 Other (Petroleum Production and Marketing)	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		256.43	4.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
	410 Chemical	534.87	3056.40	0.00	0.00	0.00	0.00	0.00	297.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.01	1.03	0.00	0.00	0.11	0.00
	420 Food and Agriculture	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	430 Mineral Processes	7.77	0.00	0.00	0.00	0.00	0.00	0.00	63.67	0.00	0.00	0.00	0.00	0.00	70.32	0.00	0.21	0.02	93.37	12.16	0.06	0.45	0.00
	440 Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.45	0.19	0.00	7.64	0.00
	450 Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	460 Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	470 Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	499 Other (Industrial Processes)	1.69	0.10	0.00	0.00	0.00	0.00	0.00	12.34	29.90	101.66	0.00	11.83	0.00	2.19	0.00	0.00	0.01	0.07	0.01	0.00	0.01	0.00
Total Industrial Processes		544.49	3056.50	0.00	0.00	0.00	0.00	0.00	373.47	29.90	101.66	0.00	11.83	0.00	72.52	0.00	1.35	0.03	94.92	12.35	0.06	8.21	0.00
Solvent Evaporation																							
	510 Consumer Products	0.04	0.00	0.01	0.00	0.00	0.00	0.00	15.96	13147.62	2007.31	0.00	1072.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	520 Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.82	51.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	530 Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	540 Asphalt Paving/Roofing	20.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		20.66	0.00	0.01	0.00	0.00	0.00	0.00	15.96	13301.44	2059.25	0.00	1072.56	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2029 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	549.68	0.00	0.00	0.00	0.00	0.00	0.00	7840.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	6.78	0.20	0.00	0.58	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.05	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	0.00	14.33	4.13	0.00	135.24	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86	0.00	19.43	21.05	0.00	200.83	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.05	0.00	0.40	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.67	0.21	0.00	1.33	0.00
660	Fires	0.00	26.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00
670	Waste Burning and Disposal	3.54	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00
690	Cooking	46.12	58.35	0.00	0.00	0.00	0.00	0.00	936.32	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.13	0.00	2.32	0.13	0.00	10.06	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		599.34	94.37	0.00	0.00	0.00	0.00	0.00	8777.12	0.00	0.00	0.00	0.00	0.00	0.00	1.45	1.58	10.70	0.00	43.71	25.80	0.00	348.72	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	1906.02	208.10	0.00	0.00	0.00	0.00	0.00	613.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.99	33.13	0.51	0.00	4.93	26.00
722	Light Duty Trucks 1 (T1)	284.96	24.60	0.00	0.00	0.00	0.00	0.00	80.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18	2.01	0.03	0.00	0.32	2.00
723	Light Duty Trucks 2 (T2)	1192.48	119.46	0.00	0.00	0.00	0.00	0.00	360.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.99	10.99	0.17	0.00	1.66	4.00
724	Medium Duty Trucks (T3)	846.34	85.85	0.00	0.00	0.00	0.00	0.00	261.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.58	6.42	0.10	0.00	0.97	12.00
732	Light Heavy Duty Gas Trucks 1 (T4)	120.91	5.87	0.00	0.00	0.00	0.00	0.00	21.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.64	0.01	0.00	0.07	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	28.22	1.69	0.00	0.00	0.00	0.00	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
734	Medium Heavy Duty Gas Trucks (T6)	30.63	3.13	0.00	0.00	0.00	0.00	0.00	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.38	0.01	0.00	0.04	0.00
736	Heavy Heavy Duty Gas Trucks (HHD)	13.89	0.83	0.00	0.00	0.00	0.00	0.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	17.89	1.70	0.00	0.00	0.00	0.00	0.00	131.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.94	0.01	0.00	0.11	178.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	7.76	0.74	0.00	0.00	0.00	0.00	0.00	57.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.50	0.01	0.00	0.06	102.00
744	Medium Heavy Duty Diesel Truck (T6)	8.16	0.78	0.00	0.00	0.00	0.00	0.00	60.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	5.87	0.09	0.00	0.56	270.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	259.29	24.62	0.00	0.00	0.00	0.00	0.00	1906.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	5.92	0.09	0.00	1.19	1414.00
750	Motorcycles (MCY)	1382.18	196.68	0.00	0.00	0.00	0.00	0.00	797.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.03	0.00
760	Diesel Urban Buses (UB)	104.09	9.88	0.00	0.00	0.00	0.00	0.00	765.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	4.00
762	Gas Urban Buses (UB)	0.48	0.05	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
771	Gas School Buses (SB)	9.70	0.68	0.00	0.00	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
772	Diesel School Buses (SB)	1.68	0.16	0.00	0.00	0.00	0.00	0.00	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	26.00
777	Gas Other Buses (OB)	13.64	1.26	0.00	0.00	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00	0.00	0.01	0.00
778	Motor Coaches	0.36	0.03	0.00	0.00	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	6.00
779	Diesel Other Buses (OB)	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.01	6.00
780	Motor Homes (MH)	2.73	0.16	0.00	0.00	0.00	0.00	0.00	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.00	0.01	20.00
Total On-Road Motor Vehicles		6231.53	686.28	0.00	0.00	0.00	0.00	0.00	5108.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	6.15	68.55	1.04	0.00	10.09	2070.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	369.78	35.11	0.00	0.00	0.00	0.00	0.00	2719.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.02	0.09	0.02	0.00	0.17	5550.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	176.65	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	98.51	1.15	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	6890.83	1538.06	0.00	0.00	0.00	0.00	0.00	8973.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.21	10.83	0.01	0.00	10.80	4126.00
870	Farm Equipment	8.62	1.31	0.00	0.00	0.00	0.00	0.00	39.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	76.00
890	Fuel Storage and Handling	141.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		7685.93	1575.86	0.00	0.00	0.00	0.00	0.00	11736.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.23	10.94	0.03	0.00	10.99	9752.00
Total Stationary and Area Sources		3902.31	3159.51	0.43	0.00	0.03	40.86	0.00	13504.32	22904.14	3075.77	452.79	1491.19	0.00	74.26	1.58	25.56	0.03	140.27	38.32	0.06	357.67	82.00	
Total On-Road Vehicles		6231.53	686.28	0.00	0.00	0.00	0.00	0.00	5108.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	6.15	68.55	1.04	0.00	10.09	2070.00
Total Other Mobile		7685.93	1575.86	0.00	0.00	0.00	0.00	0.00	11736.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.23	10.94	0			

---

# APPENDIX 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 4:— Enforcement

### Authority and Legal Right to Issue Violations and Penalties

CARB and South Coast AQMD both have authority to conduct inspections of alleged air pollution sources, and the right to issue notices of violations that can lead to civil and criminal penalties. ~~C-CARB civil penalties can be up to \$250,000 per day; South Coast AQMD civil penalties can be up to \$250,000 per day~~ <sup>i</sup> In cases with potential criminal violations, South Coast AQMD may refer matters to federal, state, and local prosecuting agencies. Inspection warrants also may be obtained if necessary when access to facilities or potential emissions sites is denied.

### South Coast AQMD Hearing Board

The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances and to order business to take specific actions to come into compliance with regulations. As state law requires, Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board.

The Hearing Board is authorized to hear:

- Petitions by companies for variances.
- Petitions for abatement orders. An abatement order requires a company operating out of compliance to take specific actions or to shut down its operation. This is a severe remedy normally reserved for serious violations.
- Appeals by companies regarding granting of permits, permit conditions, permit denials and suspensions, denials of emission reduction credits, and denials of pollution control plans.
- Appeals by third parties.

The Hearing Board is not authorized to:

- Modify rules.
- Exempt a business from complying with a rule.
- Grant a variance from a violation of the public nuisance law, such as one that creates an odor problem or threatens public health or property.
- Review a violation notice in any way.

---

<sup>i</sup> Fines and penalties are cited at the maximum amounts for willful and intentional emissions of air contaminants that results in great bodily harm or death. See Health and Safety Code § 42402.3(c); —CARB website,:

[www.arb.ca.gov/enf/policy2017/final\\_enforcement\\_policy\\_october2017.pdf](http://www.arb.ca.gov/enf/policy2017/final_enforcement_policy_october2017.pdf);

—South Coast AQMD website,: [www.aqmd.gov/nav/about/authority/enforcement](http://www.aqmd.gov/nav/about/authority/enforcement).

After hearing all sides of a case in which individuals or companies come into conflict with South Coast AQMD rules, the Hearing Board weighs the evidence and reaches a decision. The following table lists all the active facilities with active or expired permits within the San Bernardino, Muscoy community.

The following sections contain information regarding the compliance histories of facilities regulated by South Coast AQMD and CARB in this community. South Coast AQMD's section includes: a list of all active facilities with active or expired permits, a summary of all complaints received, a list of all inspections conducted, and a list of all enforcement actions taken. CARB's section includes: lists of individual field inspections in 2016, /2017, and /2018 and an enforcement activities map.



## South Coast AQMD Compliance History in SBM, January 2016 to December 2018

## List of All Active Facilities with Active or Expired Permits in June 2019

This table contains all of the facilities that are considered active and have valid or expired permits. Expired permits are included to ensure that any facilities that are still in operation but had not paid fees at the time of the query were still included.

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
675 Central Llc	167627	675 East Central Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	531210	Offices Of Real Estate Agents And Brokers
701 Arrowhead Avenue Llc	176652	701 South Arrowhead Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	493110	General Warehousing And Storage
786 Central Llc	167626	786 East Central Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	561311	Employment Placement Agencies
7-Eleven #26934/Jagdip Singh	176507	3211 Kendall Dr San Bernardino 92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	445120	Convenience Stores
7-Eleven #37036	179301	1583 West Baseline Rd San Bernardino 92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	453220	Gift, Novelty, And Souvenir Stores
7-Eleven #37214	183094	510 Waterman Ave. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447110	Gasoline Stations With Convenience Stores
Alere Property Group Llc	153070	5690 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	531390	Other Activities Related To Real Estate
All Auto Collison & Paint, Inc.	132791	741 West Baseline Rd. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
American Woven Wire Corp	135913	784 South Lugo Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	332618	Other Fabricated Wire Product Manufacturing
Anita's Mexican Food Corporation	175226	3454 North Mike Daley Dr San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	311919	Other Snack Food Manufacturing
Anthem Oil Inc	182846	1933 West Highland Ave. San Bernardino 92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	454310	Fuel Dealers
Apro Llc Db a United Oil #136	177930	235 East Baseline Ave. San Bernardino 92401	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Arco Am/Pm	167961	542 North Mount Vernon Ave. San Bernardino 92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Arco Tippecanoe Petroleum Project	178205	806 South Tippecanoe Ave. San Bernardino 92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	811112	Automotive Exhaust System Repair
At & T Comm Inc (San Bernardino)	45068	455 2nd St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	517911	Telecommunications Resellers
Atco 2000 Inc	148939	5486 Industrial Pky #A San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	333413	Industrial And Commercial Fan And Blower And Air Purification Equipment Manufacturing

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Barajas Collision Ctr, Llc	166321	233 South Mt Vernon Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Baseline Am/Pm	162537	794 West Baseline St. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447100	Gasoline Stations With Convenience Stores
Bate's Auto Body	122131	161 West Mill St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Berdoo Color Works	91158	411 South Sierra Way San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Best Cleaners	82515	624 West 4th St. San Bernardino 92410	Ts-12 Industrial Sources - Out Of Business And Change Of Ownership	812320	Drycleaning And Laundry Services (Except Coin-Operated)
Big Z Auto Works	52065	274 North I St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	488410	Motor Vehicle Towing
Bionic Auto Body	40304	1091 Acacia St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Bj Oil, Inc	183039	847 West Highland Ave. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447110	Gasoline Stations With Convenience Stores

Appendix 4-5

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Blood Bank San Bernardino & Riverside Co	80070	384 Orange Show Rd San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	621991	Blood And Organ Banks
Bnsf Railway Company	178593	1500 West Rialto Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	482111	Line-Haul Railroads
Bohemian Distributing Co	34645	544 South Crescent St. San Bernardino 92410	Ts-12 Industrial Sources - Out Of Business And Change Of Ownership	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
Burlington Northern/Santa Fe Railway Co	102284	1535 West 4th St. San Bernardino 92411	Ts-57 Toxics: R203 Voc Extraction	488510	Freight Transportation Arrangement
Burrtec Waste Industries, Inc.-Jack's Di	181097	5455 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	562212	Solid Waste Landfill
C & S Auto	172790	1582 West 4th St. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	811111	General Automotive Repair
Cal St, Hwy Patrol	34643	2211 Western Ave. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	922120	Police Protection
Caliber Bodyworks Inc., Caliber Collision	122223	1197 East 3rd St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Calif Dept Of Transportation, Caltrans	137200	175 Cluster St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	926120	Regulation And Administration Of Transportation Programs
California Portland Cement Co.	62645	2400 West Highland Ave. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	327310	Cement Manufacturing

Appendix 4-6

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Calmat Co	34281	2400 West Highland Ave. San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	212321	Construction Sand And Gravel Mining
Calmat Co	108457	2340 West Highland Ave. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	324121	Asphalt Paving Mixture And Block Manufacturing
Caltrans Dist 8	162293	464 West 4th St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	926120	Regulation And Administration Of Transportation Programs
Catellus Devel Corp	142840	570 East Mill St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	237210	Land Subdivision
Charter Communications	174590	4370 North Hallmark Pky #107 San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	517919	All Other Telecommunications
City Of Colton, Water Division-Rialto	131095	194 S. Muscott St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	924110	Administration Of Air And Water Resource And Solid Waste Management Programs
City Of Riverside, Pub Utilities Dept	114800	1275 Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	926130	Regulation And Administration Of Communications, Electric, Gas, And Other Utilities
City Of Riverside, Public Utilities Dept	114799	24370 6th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	926130	Regulation And Administration Of Communications, Electric, Gas, And Other Utilities

Appendix 4-7

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
City Of San Bern, City Yard	65891	182 South Sierra Way San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	488490	Other Support Activities For Road Transportation
Co San Bernardino	67485	670 East Gilbert St. San Bernardino 92404	Ts-11 Industrial: Sector-Based Inspections	524127	Direct Title Insurance Carriers
Collision Center Of San Bernardino	178172	909 West 21st St. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Community Hospital Of San Bernardino	17722	1805 Medical Center Dr. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	622110	General Medical And Surgical Hospitals
C-Pak Industries Inc	120469	4925 Hallmark Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	326199	All Other Plastics Product Manufacturing
Crown Printers	71355	250 West Rialto Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	323111	Commercial Printing (Except Screen And Books)
D & W Fine Pack Inc	49933	4162 Georgia Blvd. San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	326199	All Other Plastics Product Manufacturing
Damas Capital Investments, Inc.	181468	702 West Second St. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	811112	Automotive Exhaust System Repair
Dan Lemay West Coast Collision Center	137049	179 West Mill St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Downtown Auto Center	99849	460 West Ninth St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811111	General Automotive Repair
E & R Auto Body, Elkin Hernandez Dba	80622	273 South Arrowhead San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Elliott Precision Block Co	15018	157 Rancho Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	327331	Concrete Block And Brick Manufacturing
Envisioning Future Inc.	160632	295 North Waterman Ave. San Bernardino 92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	453998	All Other Miscellaneous Store Retailers (Except Tobacco Stores)
Evans Fuel	90737	1995 Nolan St. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	237110	Water And Sewer Line And Related Structures Construction
F & M Bains, Inc., Rajinder Singh	157919	3890 North University Pky San Bernardino 92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	445120	Convenience Stores
Fairview Ford Sales Inc	20509	292 North G St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	441110	New Car Dealers
Farmdale Creamery Inc	84687	1049 West Baseline St. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	424490	Other Grocery And Related Products Merchant Wholesalers
Food N' Fuel	117766	1055 North Waterman Ave. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations

Appendix 4-9

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Forever 21, Inc.	165558	500 Inland Center Dr San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	448120	Women's Clothing Stores
G & M Oil Co #119	136014	906 North Waterman Ave. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
G & M Oil Co, Llc #47	101640	501 Inland Center Dr San Bernardino 92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
G & M Oil Co, Llc #67	115360	187 North F St. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Gaborko Electric, Inc.Dba.C & M Electric	173983	1356 West Rialto Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	238210	Electrical Contractors And Other Wiring Installation Contractors
Gage Canal Company	94998	1271 S. Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	221310	Water Supply And Irrigation Systems
Gateway Pet Cemetery	62081	3850 Frontage Rd San Bernardino 92412	Ts-11 Industrial: Sector-Based Inspections	812210	Funeral Homes And Funeral Services
Global Environmental Products	176547	5405 Industrial San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	336120	Heavy Duty Truck Manufacturing
H & M Oil	185414	605 North H St. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	324110	Petroleum Refineries
Highland Avenue Arco, Alfred Daher	158844	189 West Highland Ave. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations

Appendix 4-10



Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Highland Shell, Nabil Saade	170528	1108 Highland San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Holliday Trucking, Inc	18323	2300 West Baseline Rd. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	327320	Ready-Mix Concrete Manufacturing
Hollywood Plaza Associates Llc	160725	5685 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	561499	All Other Business Support Services
Home Depot, The	85776	1055 West 21st St. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	444110	Home Centers
Inland Building Construction Co, Inc	151668	323 South Sierra Way San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	236220	Commercial And Institutional Building Construction
Inland Pacific Petro, Univ Shell Car Wash	153509	3909 Hallmark Pky San Bernardino 92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Interchange Business Center, Llc	177226	1651 West Interchange Dr. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	493110	General Warehousing And Storage
Isolatek International Inc	156517	4062 Georgia Blvd San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	212312	Crushed And Broken Limestone Mining And Quarrying
Jun Iron Works	103147	2292 North Cabrera Ave. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	332323	Ornamental And Architectural Metal Work Manufacturing
Khan Shell	155291	907 West Mill St. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Kohls Department Stores	132826	890 East Mill St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	452111	Department Stores

Appendix 4-11

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Kohl's E-Commerce Fulfillment Center	165179	825 East Central Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	452111	Department Stores
Komal Oil Inc	180676	424 West Mill Colton 92324	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	424720	Petroleum And Petroleum Products Merchant Wholesalers (Except Bulk Stations And Terminals)
Lba Realty Fund Iii - Company Iv-E, Llc	154433	2612 Shenandoah Way San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
Level 3 Communications, Llc	124568	5705 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	517110	Wired Telecommunications Carriers
Lkq Pick A Part - San Bernardino/Lkq Mid	170162	434 East 6th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811111	General Automotive Repair
Macy's Inc	166126	400 Inland Center Dr San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	452111	Department Stores
Magnum Abrasives Inc	90055	758 South Allen St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	327910	Abrasive Product Manufacturing
Mapei Corporation	137145	5415 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	238340	Tile And Terrazzo Contractors
Matich Corp	71605	Various Locations In South Coast Aqmd San Bernardino 92412	Ts-20 Industrial: Various Locations Equipment	237310	Highway, Street, And Bridge Construction

Appendix 4-12

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Matich Corporation	153264	3231 East 3rd St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	423810	Construction And Mining (Except Oil Well) Machinery And Equipment Merchant Wholesalers
Mccray Enterprises, Rickey L Mccray Db	98864	24268 5th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811111	General Automotive Repair
Michelin/ Hillwood	151162	3525 North Mike Daley Dr San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	441320	Tire Dealers
Mill Street Body & Frame	43730	595 East Mill St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
Mjs Market	133947	2795 Macy St. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	445120	Convenience Stores
Morrison-Hope Inc	54728	205 South Arrowhead Ave. San Bernardino 92408	Ts-12 Industrial Sources - Out Of Business And Change Of Ownership	236220	Commercial And Institutional Building Construction
Mt. View Cemetery	8660	570 East Highland Ave. San Bernardino 92404	Ts-11 Industrial: Sector-Based Inspections	812220	Cemeteries And Crematories
National Technical Systems	177039	3505 East Third St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	541380	Testing Laboratories
Neptune Society Of Riverside, Rod Hildeb	170317	298 South Pershing Ave. Ste. 6 San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	441310	Automotive Parts And Accessories Stores
Nino's Number One Inc	170035	457 West 10th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	445299	All Other Specialty Food Stores

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Nuckles Oil Co, Inc., Merit Oil Co., DbA	112769	1405 West Rialto Ave. San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	424720	Petroleum And Petroleum Products Merchant Wholesalers (Except Bulk Stations And Terminals)
Omni Trans	123764	234 South I St. San Bernardino 92410	Ts-11 Industrial: Sector- Based Inspections	485113	Bus And Other Motor Vehicle Transit Systems
Omnitrans	39979	1700 West 5th St. San Bernardino 92411	Ts-11 Industrial: Sector- Based Inspections	485113	Bus And Other Motor Vehicle Transit Systems
One Hour Fabric Care	96841	1090 West Highland Ave. San Bernardino 92405	Ts-11 Industrial: Sector- Based Inspections	812320	Drycleaning And Laundry Services (Except Coin-Operated)
Psip Shaw Lexington, Llc	183455	2705 Lexington Way San Bernardino 92407	Ts-11 Industrial: Sector- Based Inspections	237210	Land Subdivision
Quiel Bros Electric Sign Serv Co Inc	8275	272 South I St. San Bernardino 92410	Ts-11 Industrial: Sector- Based Inspections	339950	Sign Manufacturing
Qwik Stop #5 "Yasin"	108901	2696 Foothill Blvd San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Red Collar Pet Foods, Inc	189040	2765 Lexington Way Suite 400 San Bernardino 92407	Ts-11 Industrial: Sector- Based Inspections	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers

Appendix 4-14

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Refresco Beverages Us Inc.	139380	499 East Mill Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	312111	Soft Drink Manufacturing
Refresco Beverages Us Inc.	155368	570 East Mill St. Ste B San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	312111	Soft Drink Manufacturing
Robert H Ballard Rehabilitation Hospital	164793	1760 West 16th St. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	621340	Offices Of Physical, Occupational And Speech Therapists, And Audiologists
Robertson's Ready Mix	147221	1955 W 9th St Near Lytle Creek San Bernardino 92412	Ts-11 Industrial: Sector-Based Inspections	327320	Ready-Mix Concrete Manufacturing
Rounsvilles Auto Body	118735	24137 East Ward St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	811121	Automotive Body, Paint, And Interior Repair And Maintenance
S & S Baseline 76	166898	799 West Baseline San Bernardino 92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
San Bern City Uni Sch Dist, Dist Admin Of	23773	777 North F St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	611110	Elementary And Secondary Schools
San Bern City Unified School Dist	8144	956 West 9th St. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	561720	Janitorial Services
San Bern City Usd, Neal Roberts Elem	168032	494 East 9th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	561720	Janitorial Services
San Bern. Co, Facilities Mgmt Dept	10167	351 North Arrowhead Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	922120	Police Protection
San Bernardino City Mun Water Dept (Wrp)	126656	1302 South East St. San Bernardino 92408	Ts-58 Toxics: Potw Lift Stations	221310	Water Supply And Irrigation Systems

Appendix 4-15

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
San Bernardino City Mun Water Dept(H2o)	1604	195 North D St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	921110	Executive Offices
San Bernardino City Unified School Dist	169904	747 North Mountain View Ave. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	611110	Elementary And Secondary Schools
San Bernardino City Usd, Whaa	168054	1535 West Highland Ave. San Bernardino 92411	Ts-11 Industrial: Sector-Based Inspections	561720	Janitorial Services
San Bernardino Co Special Services	150522	18101 Institution Rd Devore Heights 92407	Ts-53 Toxics: Potw, Public Owned Treatment	925120	Administration Of Urban Planning And Community And Rural Development
San Bernardino High School	125853	1850 North "E" St. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	611110	Elementary And Secondary Schools
San Bernardino Mun Water Dept	118973	195 North D St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	221310	Water Supply And Irrigation Systems
San Bernardino National Forest	157046	602 South Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	541990	All Other Professional, Scientific, And Technical Services
San Bernardino R E R S	28892	891 South Arrowhead Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	811111	General Automotive Repair
San Bernardino Steel	53578	5454 North Industrial Pky. San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	332312	Fabricated Structural Metal Manufacturing
San Bernardino Usd, Dr. Mildred D. Henry	168572	1250 West 14th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	561720	Janitorial Services
Sbcusd San Brdo City Unified School Dist	175048	2525 North G St. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	561720	Janitorial Services

Appendix 4-16

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Science & Eng Analysis Corp (Seacor)	102443	110 South D St. San Bernardino 92401	Ts-12 Industrial Sources - Out Of Business And Change Of Ownership	541618	Other Management Consulting Services
Sears, Roebuck And Company #1398	143730	100 Inland Center San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	452111	Department Stores
Service King Paint & Body Llc	184516	1228 North H St. San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	444120	Paint And Wallpaper Stores
So Cal Gas Co (Inland Div)	33472	155 South G St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	221210	Natural Gas Distribution
Southland Crematory	171913	379 South Sierra Way Ste H San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	812220	Cemeteries And Crematories
St Bernardine Plaza Corporation	108050	550 West 5th St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	531110	Lessors Of Residential Buildings And Dwellings
St. Bernardine Medical Center	6324	2101 North Waterman Ave. San Bernardino 92404	Ts-11 Industrial: Sector-Based Inspections	622110	General Medical And Surgical Hospitals
Superior Grocers #130	165271	1108 West 2nd St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	445110	Supermarkets And Other Grocery (Except Convenience) Stores
Telacu Housing - San Bernardino Inc	134396	666 West 6th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	531110	Lessors Of Residential Buildings And Dwellings
Telacu Housing San Bernardino Ii Inc	145391	451 North H St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	531110	Lessors Of Residential Buildings And Dwellings

Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Tesoro (Usa) 63325	171648	2187 West Highland Ave. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	621111	Offices Of Physicians (Except Mental Health Specialists)
Tesoro (Usa) 63327	171691	995 West Highland Ave. San Bernardino 92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
The Gage Canal Company	94996	1271 S. Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	221310	Water Supply And Irrigation Systems
The Gage Canal Company	94997	1271 S. Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	221310	Water Supply And Irrigation Systems
The Gage Canal Company	94999	1271 S. Tippecanoe Ave. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	221310	Water Supply And Irrigation Systems
Thinkwise Federal Credit Union	164632	2441 North Sierra Way San Bernardino 92405	Ts-11 Industrial: Sector-Based Inspections	522130	Credit Unions
Thrifty Petroleum, Inc.	167023	495 South Waterman Ave. San Bernardino 92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Truck-N-Stuff	151372	560 North Waterman Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	441210	Recreational Vehicle Dealers
Turner's Truck Stuff	141433	598 North Waterman Ave. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	441210	Recreational Vehicle Dealers
Vanir Group Of Companies Inc.	65562	290 North D St. San Bernardino 92401	Ts-11 Industrial: Sector-Based Inspections	515210	Cable And Other Subscription Programming
Verizon Wireless	136450	895 San Jacinto St. San Bernardino 92408	Ts-11 Industrial: Sector-Based Inspections	443142	Electronics Stores



Facility Name	Facility Id	Address	Technical Specialty (Ts)	North American Industrial Classification System (Naics)	
Vulcan Materials Company	181597	5705 North Institution Rd San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	324121	Asphalt Paving Mixture And Block Manufacturing
Waterman Convalescent Hospital	160366	1850 North Waterman Ave. San Bernardino 92404	Ts-11 Industrial: Sector-Based Inspections	622110	General Medical And Surgical Hospitals
Waterman Valero	107330	2908 North Waterman Ave. San Bernardino 92404	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	447190	Other Gasoline Stations
Westcore Ii Tippecanoe Llc	188264	927 East 9th St. San Bernardino 92410	Ts-11 Industrial: Sector-Based Inspections	541614	Process, Physical Distribution, And Logistics Consulting Services
Western A West Ca, Llc	182892	5404 Industrial Pky San Bernardino 92407	Ts-11 Industrial: Sector-Based Inspections	488510	Freight Transportation Arrangement
Zoomtech Inc, Orange Show Shell, DbA	183954	1194 South Waterman Ave. San Bernardino 92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	326211	Tire Manufacturing (Except Retreading)

Summary of All Complaints Received from January 2016 to December 2018<sup>ii</sup>

This table contains a summary of the number of complaints received by complaint type and sorted by their disposition between January 2016 and December 2018.

Complaint Disposition	Asbestos	Dust	Odors	Overspray	Residential Wood Burning	Rule 461	Smoke	Other	Total
Notice of Violation Issued		8			2				10

<sup>ii</sup> The complaint information, queried in June 2019, is based on the following Zip Codes: 92411, 92412, 92401, 92407, 92404, 92377, 92405, 92376, 92410, 92408, and 92324.

Notice To Comply Issued	2	11	8			2	1	1	25
Referred to Another Agency		1	5		1	1			8
No Enforcement Action Taken <sup>iii</sup>	9	119	70	9	5	6	28	13	259
Investigation in Progress; Disposition Pending			1				1		2
<b>Total</b>	<b>11</b>	<b>139</b>	<b>84</b>	<b>9</b>	<b>8</b>	<b>9</b>	<b>30</b>	<b>14</b>	<b>304</b>

#### List of All Inspections Conducted from January 2016 to December 2018

This table contains a list of inspections conducted within the SBM between January 2016 and December 2018.

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
7-Eleven #26934/Jagdip Singh	176507	3211 Kendall Dr	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/5/2016	

<sup>iii</sup> *No Enforcement Action Taken* means that the complaint investigation has concluded but did not result in any formal enforcement action. For example, an alleged air pollution source may have been operating in compliance at the time of the inspection or the event underlying the complaint was no longer occurring.

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
7-Eleven #26934/Jagdip Singh	176507	3211 Kendall Dr	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/16/2016	
7-Eleven #26934/Jagdip Singh	176507	3211 Kendall Dr	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/25/2016	
7-Eleven #37036	179301	1583 W Baseline Rd	San Bernardino	92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	3/10/2016	
7-Eleven #37036	179301	1583 W Baseline Rd	San Bernardino	92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	7/5/2016	
7-Eleven #37214	183094	510 Waterman Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	10/10/2017	
7-Eleven #37214	183094	510 Waterman Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	4/24/2018	
All Auto Collision & Paint, Inc.	132791	741 W Baseline	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	
Anita's Mexican Food Corporation	175226	3454 N Mike Daley Dr	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	7/8/2016	

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Anthem Oil Inc	182846	1933 W Highland Ave	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/27/2016	
Anthem Oil Inc	182846	1933 W Highland Ave	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/20/2017	
Apro Llc DbA United Oil #136	177930	235 E Baseline Ave	San Bernardino	92401	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/17/2016	
Apro Llc DbA United Oil #136	177930	235 E Baseline Ave	San Bernardino	92401	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	3/20/2018	
Arco Am/Pm	167961	542 N Mount Vernon Ave	San Bernardino	92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	1/21/2016	
Arco Am/Pm	167961	542 N Mount Vernon Ave	San Bernardino	92411	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	5/3/2018	
Arco Tippecanoe Petroleum Project	178205	806 S Tippecanoe Ave	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/16/2016	
Atco 2000 Inc	148939	5486 Industrial Pky #A	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/8/2016	

Appendix 4-23

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Baseline Am/Pm	162537	794 W Baseline St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	3/10/2016	
Baseline Am/Pm	162537	794 W Baseline St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	5/3/2018	
Best Cleaners	82515	624 W 4th St	San Bernardino	92410	Ts-12 Industrial Sources - Out Of Business And Change Of Ownership	2/3/2016	
Big Z Auto Works	52065	274 N I St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	6/2/2017	✓
Bionic Auto Body	40304	1091 Acacia St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	
Bj Oil, Inc	183039	847 W Highland Ave	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	10/10/2017	
Bnsf Railway Company	178593	1500 W Rialto Ave	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/11/2016	
Cal St, Hwy Patrol	34643	2211 Western Ave	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	1/22/2016	✓
California Portland Cement Co.	62645	2400 W Highland	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	6/2/2016	

Appendix 4-24

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Calmat Co	34281	2400 W Highland Ave	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	5/31/2016	
Calmat Co	108457	2340 W Highland Ave	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	5/31/2016	✓
Collision Center Of San Bernardino	178172	909 W 21st St	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	4/13/2016	
Community Hospital Of San Bernardino	17722	1805 Medical Center Dr	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	1/19/2016	✓
C-Pak Industries Inc	120469	4925 Hallmark Pky	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	8/3/2016	
D & W Fine Pack Inc	49933	4162 Georgia Blvd	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/9/2016	
Damas Capital Investments, Inc.	181468	702 W Second St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/7/2016	
Downtown Auto Center	99849	460 W Ninth St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/3/2016	✓
E & R Auto Body, Elkin Hernandez DbA	80622	273 S Arrowhead	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	6/2/2017	
Envisioning Future Inc.	160632	295 N Waterman Ave	San Bernardino	92408	Ts-40 Service Stations: Retail	6/9/2016	

Appendix 4-25

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
					Gasoline Dispensing (From Ts 12)		
Envisioning Future Inc.	160632	295 N Waterman Ave	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	3/2/2018	✓
Evans Fuel	90737	1995 Nolan St	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/27/2016	✓
F & M Bains, Inc., Rajinder Singh	157919	3890 N University Pky	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/28/2016	
Farmdale Creamery Inc	84687	1049 W Baseline St	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	1/26/2016	
Food N' Fuel	117766	1055 N Waterman Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/9/2016	✓
Food N' Fuel	117766	1055 N Waterman Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	5/9/2018	✓
G & M Oil Co #119	136014	906 N Waterman Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	7/21/2016	

Appendix 4-26



Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
G & M Oil Co, Llc #47	101640	501 Inland Center Dr	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	7/26/2016	
G & M Oil Co, Llc #67	115360	187 N F St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	7/26/2016	
Gaborko Electric, Inc.Dba.C & M Electric	173983	1356 W Rialto Ave	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/11/2016	
Gage Canal Company	94998	At&Sf Railroad/Hospitality Ln	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	✓
Gateway Pet Cemetery	62081	3850 Frontage	San Bernardino	92412	Ts-11 Industrial: Sector-Based Inspections	7/13/2016	
H & M Oil	185414	605 N H St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	1/30/2018	
Highland Avenue Arco, Alfred Daher	158844	189 W Highland Ave	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/25/2017	
Highland Shell, Nabil Saade	170528	1108 Highland	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/25/2017	✓

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Holliday Trucking, Inc	18323	2300 W Baseline Rd	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	1/19/2016	
Home Depot, The	85776	1055 W 21st St	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	4/15/2016	
Inland Pacific Petro, Univ Shell Car Wash	153509	3909 Hallmark Pky	San Bernardino	92407	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	10/6/2016	
Interchange Business Center, Llc	177226	1651 W Interchange	San Bernardino	92401	Ts-11 Industrial: Sector-Based Inspections	8/4/2016	
Isolatek International Inc	156517	4062 Georgia Blvd	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/9/2016	
Jun Iron Works	103147	2292 N Cabrera Ave	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	3/10/2017	✓
Khan Shell	155291	907 W Mill St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/23/2016	✓
Khan Shell	155291	907 W Mill St	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/23/2017	✓
Komal Oil Inc	180676	424 W Mill	Colton	92324	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	2/16/2016	✓

Appendix 4-28

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Komal Oil Inc	180676	424 W Mill	Colton	92324	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	7/13/2017	✓
Lba Realty Fund Iii - Company Iv-E, Llc	154433	2612 Shenandoah Way	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/10/2016	
Mjs Market	133947	2795 Macy St	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/27/2016	
Mt. View Cemetery	8660	570 E Highland Ave	San Bernardino	92404	Ts-11 Industrial: Sector-Based Inspections	4/13/2016	
Nino's Number One Inc	170035	457 W 10th St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	✓
Nuckles Oil Co, Inc., Merit Oil Co., DbA	112769	1405 W Rialto Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/7/2016	
Nuckles Oil Co, Inc., Merit Oil Co., DbA	112769	1405 W Rialto Ave	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	4/13/2018	
Omnitrans	39979	1700 W 5th St	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	11/3/2017	
One Hour Fabric Care	96841	1090 W Highland Ave	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	5/26/2016	

Appendix 4-29

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Quiel Bros Electric Sign Serv Co Inc	8275	272 S I St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	10/16/2018	
Qwik Stop #5 "Yasin"	108901	2696 Foothill Blvd	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	10/6/2016	✓
Rounsvilles Auto Body	118735	24137 E Ward St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/9/2016	✓
S & S Baseline 76	166898	799 W Baseline	San Bernardino	92410	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/3/2016	
San Bern City Uni Sch Dist, Dist Admin Of	23773	777 N F St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/12/2016	✓
San Bern City Unified School Dist	8144	956 W 9th St	San Bernardino	92411	Ts-11 Industrial: Sector-Based Inspections	2/12/2016	✓
San Bern City Usd, Neal Roberts Elem	168032	494 E 9th St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/12/2016	
San Bernardino City Mun Water Dept (Wrp)	126656	1302 South E St	San Bernardino	92408	Ts-58 Toxics: Potw Lift Stations	3/24/2016	✓
San Bernardino City Mun Water Dept (Wrp)	126656	1302 South E St	San Bernardino	92408	Ts-58 Toxics: Potw Lift Stations	3/29/2016	✓

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
San Bernardino City Mun Water Dept(H2o)	1604	195 N D St	San Bernardino	92401	Ts-11 Industrial: Sector-Based Inspections	7/20/2016	
San Bernardino Mun Water Dept	118973	195 N D St	San Bernardino	92401	Ts-11 Industrial: Sector-Based Inspections	7/20/2016	
San Bernardino National Forest	157046	602 S Tippecanoe Ave	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	6/29/2017	
San Bernardino Steel	53578	5454 N Industrial Pky	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/8/2016	
Service King Paint & Body Llc	184516	1228 N H St	San Bernardino	92405	Ts-11 Industrial: Sector-Based Inspections	12/7/2017	
Telacu Housing - San Bernardino Inc	134396	602-666 W 6th St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/3/2016	✓
Telacu Housing San Bernardino li Inc	145391	451 N H St	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/3/2016	✓
Tesoro (Usa) 63325	171648	2187 W Highland Ave	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	8/25/2017	
Tesoro (Usa) 63327	171691	995 W Highland	San Bernardino	92405	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/8/2017	

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
The Gage Canal Company	94996	Santa Ana River/San Ber Ave	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	✓
The Gage Canal Company	94997	South Of Hospitality Ln	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	✓
The Gage Canal Company	94999	At&Sf Railroad/Santa Ana River	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	1/28/2016	✓
Thrifty Petroleum, Inc.	167023	495 S Waterman Ave	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/9/2016	
Thrifty Petroleum, Inc.	167023	495 S Waterman Ave	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	3/20/2018	✓
Truck-N-Stuff	151372	560 N Waterman Ave	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/9/2016	
Turner's Truck Stuff	141433	598 N Waterman Ave	San Bernardino	92410	Ts-11 Industrial: Sector-Based Inspections	2/9/2016	✓
Verizon Wireless	136450	895 San Jacinto St	San Bernardino	92408	Ts-11 Industrial: Sector-Based Inspections	10/16/2018	
Vulcan Materials Company	181597	5705 N Institution Rd	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	6/2/2016	✓

Facility Name	Facility Id	Location	City	Zip	Technical Specialty (Ts)	Inspection Date	Enforcement Actions
Waterman Convalescent Hospital	160366	1850 N Waterman Ave	San Bernardino	92404	Ts-11 Industrial: Sector-Based Inspections	5/27/2016	
Waterman Valero	107330	2908 N Waterman Ave	San Bernardino	92404	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	9/29/2017	
Western A West Ca, Llc	182892	5404 Industrial Pky	San Bernardino	92407	Ts-11 Industrial: Sector-Based Inspections	11/30/2017	
Zoomtech Inc, Orange Show Shell, Dba	183954	1194 S Waterman Ave	San Bernardino	92408	Ts-40 Service Stations: Retail Gasoline Dispensing (From Ts 12)	6/1/2017	✓

## List of Compliance Enforcement Actions Taken from January 2016 to December 2018

This table contains a list of all enforcement actions issued by inspectors against facilities in this community between January 2016 and December 2018.

Facility Name	Facility Id	Notice Type	Notice Number <sup>iv</sup>	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action/Case Status</u>
1st Certified Collision	167037	Nc	E39229	5/10/2017	5/10/2017	1147	Provide Gas Usage Records For Powerflame Burner To Verify Deadline Delay From Rule 1147 Source Testing Requirements For Units 15 Years And Older.	<u>Closed/Resolved</u>
1st Street Collision Center	181690	Nc	E37934	3/2/2017	3/2/2017	1151	Produce Coating Records Of Coatings Used At Above Location From March 2016 To Present; Produce Sds Sheets For All Coatings At Above Facility	<u>Closed/Resolved</u>
1st Street Collision Center	181690	Nc	E37934	3/2/2017	3/2/2017	203	Produce Coating Records Of Coatings Used At Above Location From March 2016 To Present; Produce Sds Sheets For All Coatings At Above Facility	<u>Closed/Resolved</u>
5m Contracting	150335	Nc	E36377	12/23/2016	12/23/2016	1403	Secure And Stabilize Residence And Yard. (Notif #456524). Have A Certified Asbestos Consultant Assess Fire Damaged Residence And Yard (Incl. Sample Collection Per 40 Cfr Part 763.86) And Asbestos Survey Report.	<u>Closed/Resolved</u>

<sup>iv</sup> Issue Date: The date the violation notice was issued to the responsible party. This date may not reflect the date of inspection.

<sup>v</sup> Violation Date: The date that the violation occurred and was documented by South Coast AQMD inspectors. This date may not reflect the date of inspection.



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
7_Eleven #34175/Jagroop K. Bal	176509	Nov	P63220	12/22/2016	11/28/2016	461	Failure To Conduct Performance Testing Within 10 Days After Completion Of Upgrade	<u>Closed/Resolved</u>
7_Eleven #35348/T R A Inc	176092	Nc	E35599	9/16/2016	9/16/2016	461	Provide Latest Pressure Vacuum Valve Test Results And Latest Reverification Test Results For 2016.	<u>Closed/Resolved</u>
7_Eleven 33442/Tarlochan Rangi	144011	Nc	E39061	5/25/2017	5/25/2017	461	Provide Latest Pressure Vacum Valve Test Results	<u>Closed/Resolved</u>
7-Eleven #26934/Jagdip Singh	176507	Nc	E34629	8/5/2016	8/5/2016	206	Produce Aqmd Permit # N28026 & Post On Premises. Replace Cracked Hose On Nozzle #1 W/Low Perm Hose. Produce Daily Inspection Certificate For Jay Singh Or Sign Up For Inspection Training. Produce And Submit Yearly Throughput For 2014 & 2015. Plus Update	<u>Closed/Resolved</u>
7-Eleven #26934/Jagdip Singh	176507	Nc	E34629	8/5/2016	8/5/2016	461	Produce Aqmd Permit # N28026 & Post On Premises. Replace Cracked Hose On Nozzle #1 W/Low Perm Hose. Produce Daily Inspection Certificate For Jay Singh Or Sign Up For Inspection Training. Produce And Submit Yearly Throughput For 2014 & 2015. Plus Update	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
7-Eleven #26934/Jagdip Singh	176507	Nc	E34629	8/5/2016	8/5/2016	461(C)(2) (B)	Produce Aqmd Permit # N28026 & Post On Premises. Replace Cracked Hose On Nozzle #1 W/Low Perm Hose. Produce Daily Inspection Certificate For Jay Singh Or Sign Up For Inspection Training. Produce And Submit Yearly Throughput For 2014 & 2015. Plus Update	<u>Closed/Resolved</u>
7-Eleven #37036	179301	Nc	E35581	7/5/2016	7/5/2016	203(A)	Make Administrative Change To Permit To Construct. Site Has 8 Nozzles And 24 Products.	<u>Closed/Resolved</u>
A&J Petra Inc DbA Foodmart	180578	Nc	E34637	8/23/2016	8/23/2016	461	Replace Cracked Hose On #5 With Low Perm Hose. Produce Annual Periodic Compliance Inspection Report For 2015 And Gasoline Throughput From October 2015 To Present. Produce Vapor Repair Log From June 2015 To Present, Alarm Log From Jan 2016 To Present &	<u>Closed/Resolved</u>
A&J Petra Inc DbA Foodmart	180578	Nc	E34637	8/23/2016	8/23/2016	461(C)(2) (B)	Replace Cracked Hose On #5 With Low Perm Hose. Produce Annual Periodic Compliance Inspection Report For 2015 And Gasoline Throughput From October 2015 To Present. Produce Vapor Repair Log From June 2015 To Present, Alarm Log From Jan 2016 To Present &	<u>Closed/Resolved</u>
A&J Petra Inc DbA Foodmart	180578	Nc	E37436	11/4/2016	11/4/2016	201	Submit A New Application For A Permit To Construct That Reflects Existing Equipment At Above Facility.	<u>Closed/Resolved</u>

Appendix 4-36

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
A&J Petra Inc DbA Foodmart	180578	Nc	E37445	11/22/2016	11/22/2016	461	Install Aqmd Operation And Instruction Signs With (800) 2424020 Customer Complaint Number.	<u>Closed/Resolved</u>
A&J Petra Inc DbA Foodmart	180578	Nov	P70944	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1241	<u>Closed/Resolved</u>
Achamak_Trading	129762	Nc	E35592	9/7/2016	9/7/2016	461	Provide Pressure Vacuum Valve Test Results And Last Reverification Test Results For 2016.	<u>Closed/Resolved</u>
Alpha Materials, Inc	179916	Nc	E40214	7/25/2017	7/25/2017	Perp 2458	Provide Records Of Usage And Location For Carb # 125809	<u>Closed/Resolved</u>
Alpha Materials, Inc	180155	Nc	E27845	5/24/2018	5/24/2018	203(A)	Do Not Operate Portable Equipment At This Location. Perp Registrations Are No Longer Valid Here (Operation >12 Months)	<u>Closed/Resolved</u>
American Handforge	171062	Nc	E36391	5/17/2017	5/17/2017	1430	Submit Permit Applications For Grinding Operations And Control Devices, Conduct Housekeeping (Daily, Monthly, Semiannual) Keep/Maintain Records (Weight Of Waste Collected, Monthly Inspections, Odor Log), Repair All Defects Within 72 Hrs., Keep Dust In Closed	<u>Closed/Resolved</u>
American Traffic Products, Inc	180982	Nov	P63955	1/19/2016	10/23/2015	201	The Facility Installed And Operated Equipment Without A Valid Permit To Construct And Permit To Operate.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
American Traffic Products, Inc	180982	Nov	P63955	1/19/2016	10/23/2015	203(A)	The Facility Installed And Operated Equipment Without A Valid Permit To Construct And Permit To Operate.	<u>Closed/Resolved</u>
Anita's Mexican Food Corporation	175226	Nc	E21154	7/12/2016	7/8/2016	42303	The Facility Shall Provide The Following Records: Burners Installed On The 1999 Parker Boiler (2016 Modified); Burners Installed On Taco Line 5a To Satisfy The Modification Approved In A/N 573816. Include Date Of Installation; Facility Wide Natural Gas Consumption	<u>Closed/Resolved</u>
Anita's Mexican Food Corporation	175226	Nc	E34453	7/21/2016	7/21/2016	1147	The Facility Shall Provide Evidence Of Burner Specifications Installed On Each Oven And Fryer To Indicate The Manuf. Data, Including: Make, Model, Serial No., Btu Rating, Yr. Of Mfg. The Facility Shall Mount Permanent Rating Plates From Each Unit Manufacture	<u>Closed/Resolved</u>
Anita's Mexican Food Corporation	175226	Nc	E34453	7/21/2016	7/21/2016	1153.1	The Facility Shall Provide Evidence Of Burner Specifications Installed On Each Oven And Fryer To Indicate The Manuf. Data, Including: Make, Model, Serial No., Btu Rating, Yr. Of Mfg. The Facility Shall Mount Permanent Rating Plates From Each Unit Manufacture	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Anita's Mexican Food Corporation	175226	Nov	P62046	7/22/2016	7/15/2015	202	The Facility Failed To Maintain Monthly Nox Emission Reports During The Timeframe Indicated In The Order For Abatement And As Indicated By The Permit To Construct Issued For Taco Line 5a Modification.	<u>Closed/Resolved</u>
Anita's Mexican Food Corporation	175226	Nov	P62046	7/22/2016	7/15/2015	42401	The Facility Failed To Maintain Monthly Nox Emission Reports During The Timeframe Indicated In The Order For Abatement And As Indicated By The Permit To Construct Issued For Taco Line 5a Modification.	<u>Closed/Resolved</u>
Anita's Mexican Food Corporation	175226	Nov	P62047	8/26/2016	7/22/2016	42402	Violation For Knowing And Intentional Falsification Of Records Provided For Facility-Wide Nox Emission Reports Required By South Coast Aqmd Permit To Construct (A/N 573816)-Taco Line 5a Burner Modification, And Hearing Board Order For Abatement Case No. 6017-2 Oper	<u>Closed/Resolved</u>
Anthem Oil Inc	182846	Nc	E34648	9/27/2016	9/27/2016	461	Replace Gaskets In Dry Break Caps Of R U/L Tank & Prem Tank; Replace Broken Cap Of Reg U/L Too. Prove That Drain Valves Of Gas Tanks Work. Replace Cracked Hose On # 7, Produce Missing Alarm Log Since Change Of Ownership. Provide 2016 Annual Periodic	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Anthem Oil Inc	182846	Nc	E34648	9/27/2016	9/27/2016	461(C)(1) (A)	Replace Gaskets In Dry Break Caps Of R U/L Tank & Prem Tank; Replace Broken Cap Of Reg U/L Too. Prove That Drain Valves Of Gas Tanks Work. Replace Cracked Hose On # 7, Produce Missing Alarm Log Since Change Of Ownership. Provide 2016 Annual Periodic	<u>Closed/Resolved</u>
Anthem Oil Inc	182846	Nc	E34648	9/27/2016	9/27/2016	461(C)(2) (B)	Replace Gaskets In Dry Break Caps Of R U/L Tank & Prem Tank; Replace Broken Cap Of Reg U/L Too. Prove That Drain Valves Of Gas Tanks Work. Replace Cracked Hose On # 7, Produce Missing Alarm Log Since Change Of Ownership. Provide 2016 Annual Periodic	<u>Closed/Resolved</u>
Anthem Oil Inc	182846	Nov	P70579	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0473	<u>Closed/Resolved</u>
Anthem Oil Inc	182846	Nov	P70617	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0855	<u>Closed/Resolved</u>
Apro Llc Db United Oil #136	177930	Nov	P72736	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5442	<u>Closed/Resolved</u>

Appendix 4-40

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Apro Llc Db United Oil #180	177988	Nov	P72776	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5046	<u>Closed/Resolved</u>
Aghi, Incorporated	107976	Nc	E36380	1/27/2017	1/27/2017	1403	Provide Proof Of New Rule 1403 Notification For Above Address Indicating Asbestos Found "Yes". Provide Proof Of Worker Training Certificates For Anderson Mc Clinton And Orlando Narcis. Provide Proof Of Waste Record.	<u>Closed/Resolved</u>
Arakelian Enterprises, Inc	177289	Nc	E35182	4/7/2016	4/6/2016	201	Obtain Permit To Construct/Operate A Horizontal Grinder (Cbi Magnum Force 6400, Sin 6400-T-C27, Unit #1109, Doors Rg7u49)	<u>Closed/Resolved</u>
Archer Daniels Midland Company	135273	Nc	E35960	5/4/2017	5/4/2017	203(B)	1. Maintain Records Per Permit To Operate (P/O) F25680 Condition 7. Maintain Records Per P/O G20216 Condition 5	<u>Open/Pending</u>
Arco Am/Pm	167961	Nc	E42586	5/3/2018	5/3/2018	461	Provide The Following: Latest Pvv Results, Throughput Log, Periodical Inspection	<u>Closed/Resolved</u>
Arco Fac #06144 _ Sidhu Petroleum Inc.	166416	Nc	E35605	10/12/2016	10/12/2016	461	Provide Latest Reverification Test Results And Periodic Compliance Inspection For 2016	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Arco Tippecanoe Petroleum Project	178205	Nov	P70669	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1555	<u>Closed/Resolved</u>
Arco Tippecanoe Petroleum Project	178205	Nov	P71803	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4502	<u>Closed/Resolved</u>
Asbestos Control Testing, Inc	175403	Nc	E43462	3/23/2018	2/22/2018	40701(G)	Provide Evidence And Copies Of The Following: Prior Asbestos Survey, Cslb License, Dosh License, Contract To Perform Asbestos Abatement, Building And Safety Permits, Name/Address/Phone Number Of Workers And Supervisors, Ahera Training Certificates,	<u>Closed/Resolved</u>
Asbestos Control Testing, Inc	175403	Nov	P66415	4/11/2018	2/22/2018	1403	Failed To Obtain An Approved Procedure 5 Plan For Handling Disturbed AcM Prior To Renovation/Clean Up; Failed To Maintain A Copy Of All Written Approvals Obtained Under The Requirements Of Subparagraphs (D)(1)(D).	<u>Closed/Resolved</u>
At & T Comm Inc (San Bernardino)	45068	Nc	E31666	4/22/2016	4/22/2016	1472	Submit R1472 Compliance Plan	<u>Closed/Resolved</u>
Atco 2000 Inc	148939	Nc	E31672	6/8/2016	6/8/2016	109	206 And 109 For Voc Records 2 Years	<u>Closed/Resolved</u>
Atco 2000 Inc	148939	Nc	E31672	6/8/2016	6/8/2016	206	206 And 109 For Voc Records 2 Years	<u>Closed/Resolved</u>

Appendix 4-42



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Auto Fourteen Collision	178579	Nc	E37012	9/13/2016	9/13/2016	42303	Provide Voc Records Since January 2016	<u>Closed/Resolved</u>
Baseline Am/Pm	162537	Nc	E32765	3/10/2016	3/10/2016	41960.2	Replace Main Hose #8 With Approved Low Perm Hose - Steel Exposed.	<u>Closed/Resolved</u>
Baseline Am/Pm	162537	Nc	E42587	5/3/2018	5/3/2018	461	Provide Latest Reverification Test And Pressure Vacuum Valve Results	<u>Closed/Resolved</u>
Baseline Am/Pm	162537	Nov	P72422	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5301	<u>Closed/Resolved</u>
Battery Center	183913	Nc	E37838	1/12/2017	1/12/2017	1420	Provide Annual Amount Of Lead_Containing Material And The Percent Lead Content Processed At The Facility For The Past Three (3) Years.	<u>Closed/Resolved</u>
Best Iron Works	80021	Nc	E36686	7/29/2016	7/29/2016	109	109 For 6 Months Records.	<u>Closed/Resolved</u>
Big Z Auto Works	52065	Nc	E35962	6/2/2017	6/2/2017	1151	Maintain Voc Records.	<u>Open/Pending</u>
Biscomerica Corp	125483	Nc	E27934	2/16/2016	2/16/2016	1415.1	1) Determine & Document The Size Of The Refrigeration (Process Units Only) Systems: Mfr., Model #, Serial #, Type Of Refrigerant, Capacity Of The System; And 2) Register The System With The California Air Resources Board	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Bj Oil, Inc	183039	Nov	P70615	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0831	<u>Closed/Resolved</u>
Br Tree Service	186759	Nc	E41637	2/16/2018	1/19/2018	203(A)	Do Not Operate Portable Ice >50hp Without A Valid Carb Registration Or Aqmd Permit.	<u>Closed/Resolved</u>
Brickley Construction Co Inc, Brickley En	76397	Nc	E45720	12/28/2018	12/28/2018	203(A)	Do Not Operate Or Use Any Equipment (Floor Buffer) Which May Cause The Issuance Of Air Contaminants Without First Obtaining A Written Pto From South Coast Aqmd Applies Only To Equipment Subject To Neshap	<u>Closed/Resolved</u>
Burlington Northern/Santa Fe Railway Co	102284	Nov	P71280	12/1/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #70171450000217313976	<u>Closed/Resolved</u>
Cal Dept Of Forestry, San Bern Fire Sta	26857	Nc	E31667	5/26/2016	5/26/2016	203	203b To Upgrade Ice Log And Get Upgraded Nameplate And Confirm It Matches Permit	<u>Closed/Resolved</u>
Cal Dept Of Forestry, San Bern Fire Sta	26857	Nov	P71396	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1146	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action/Case Status</u>
Cal St, Hwy Patrol	34643	Nc	E31655	1/22/2016	1/22/2016	1470	Update Ice Log, Install 461 Signs, Submit 2 Years Of Monthly Gasoline Dispensed Records	<u>Closed/Resolved</u>
Cal St, Hwy Patrol	34643	Nc	E31655	1/22/2016	1/22/2016	461	Update Ice Log, Install 461 Signs, Submit 2 Years Of Monthly Gasoline Dispensed Records	<u>Closed/Resolved</u>
Cal St, Hwy Patrol	34643	Nov	P71446	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1641	<u>Closed/Resolved</u>
Cal Stripe Inc	160100	Nc	E37856	11/23/2016	11/23/2016	Perp 2460	Submit An Appointment Request; Maintain The Registration Certificate & Operating Conditions With The Equipment; Affix A Registration Sticker To The Equipment.	<u>Closed/Resolved</u>
Cal Stripe Inc	160100	Nc	E37856	11/23/2016	11/23/2016	Title13article5s	Submit An Appointment Request; Maintain The Registration Certificate & Operating Conditions With The Equipment; Affix A Registration Sticker To The Equipment.	<u>Closed/Resolved</u>
Cal Stripe Inc	160100	Nc	E41445	12/6/2017	10/31/2017	Perp 2460	Submit Appointment Request Form For 7 Perp Engines. Carb Perp Program Requires Contact Of Home Air District Within 45 Days Of Reg Issuance/Renewal. South Coast Aqmd Contact Is Appt Req Form	<u>Closed/Resolved</u>
Caliber Bodyworks, Inc.	116311	Nc	E37949	6/2/2017	6/2/2017	42303	Produce Natural Gas Usage Log For The Last 24 Months(Only 4/17 To Present Is Available)	<u>Closed/Resolved</u>

Appendix 4-45

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Calif Dept Of Transportation, Caltrans	137200	Nov	P71687	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4078	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nc	E29360	10/7/2016	8/30/2016	3002(C)(1)	Ensure Timely Submission Of Forms 500_Acc And 500_Sam	<u>Open/Pending</u>
California Portland Cement Co	800181	Nc	E39242	7/13/2017	7/13/2017	1156	Stabilize All Unpaved Roads To Maintain Stabilized Surface (For Aggregate Site), Apply Chemical Stabilizers To All Unpaved Roads And Areas To Stabilize Road Surface (Should Be Applied Biannually), And Provide Copy Of Toxicity Analysis Report For Cement	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nc	E39242	7/13/2017	7/13/2017	1157	Stabilize All Unpaved Roads To Maintain Stabilized Surface (For Aggregate Site), Apply Chemical Stabilizers To All Unpaved Roads And Areas To Stabilize Road Surface (Should Be Applied Biannually), And Provide Copy Of Toxicity Analysis Report For Cement	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
California Portland Cement Co	800181	Nov	P60580	2/9/2017	7/1/2016	2004	1. Failed To Reconcile Quarterly Nox And Sox Emissions In The 1st And 2nd Qtr. Of Compliance Year 2016. 2. Nox And Sox Emissions From The Beginning Of The 2016 Compliance Year Through The End Of The 1st And 2nd Quarters Exceeded Allocation In Effect At The	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P59283	2/15/2017	7/1/2015	2004	Failed To Reconcile Quarterly Sox Emissions In The 1st, 2nd, 3rd, And 4th Quarters. Sox Emissions From The Beginning Of The 2015 Compliance Year Through The End Of The 1st, 2nd, 3rd, And 4th Quarter Exceeded The Annual Sox Emissions Allocation In Effect	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P64763	9/8/2017	9/7/2017	1158(D)(8)	Allowance Of Fugitive Dust Emissions From An Active Operation To Remain Visible Beyond The Property Lines, Conducting An Active Operation Without Utilizing The Applicable Bacm To Minimize Fugitive Dust Emissions, And Failure To Install Rumble Grates Within	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
California Portland Cement Co	800181	Nov	P64763	9/8/2017	9/7/2017	403(D)(1)	Allowance Of Fugitive Dust Emissions From An Active Operation To Remain Visible Beyond The Property Lines, Conducting An Active Operation Without Utilizing The Applicable Bacm To Minimize Fugitive Dust Emissions, And Failure To Install Rumble Grates Within	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P64763	9/8/2017	9/7/2017	403(D)(2)	Allowance Of Fugitive Dust Emissions From An Active Operation To Remain Visible Beyond The Property Lines, Conducting An Active Operation Without Utilizing The Applicable Bacm To Minimize Fugitive Dust Emissions, And Failure To Install Rumble Grates Within	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P64372	9/15/2017	9/14/2017	403(D)(1)	Fugitive Dust Emissions Remaining Visible Beyond Property Lines Conducting Active Operation Without Utilizing Applicable Bacm To Minimize Fugitive Dust Emissions	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P64372	9/15/2017	9/14/2017	403(D)(2)	Fugitive Dust Emissions Remaining Visible Beyond Property Lines Conducting Active Operation Without Utilizing Applicable Bacm To Minimize Fugitive Dust Emissions	<u>Closed/Resolved</u>
California Portland Cement Co	800181	Nov	P65378	12/6/2017	7/1/2016	2004	Failure To Submit Qcers And An Apep With Accurate Emissions.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
California Portland Cement Co	800181	Nov	P64386	7/28/2018	7/1/2017	2004	Failure To Acquire And Have Credited To The Facility Sufficient Nox And Sox Rtc's To Reconcile Its Quarterly Nox And Sox Emissions In The First, Second, And Third Quarters For Compliance Year 2017	<u>Closed/Resolved</u>
Calmat Co	108457	Nc	E31669	5/31/2016	5/31/2016	203	Submit Modification Apps For G23721 To Add (B3) Belt	<u>Closed/Resolved</u>
Cardlock Fuels Llc, Kinder Morgan Energy	120767	Nov	P71994	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9011	<u>Closed/Resolved</u>
Castro Designers Choice	177473	Nc	E37935	3/3/2017	3/3/2017	1136	Produce Coating Records Of All Coatings Used At Above Location Address; Produce All Sds Sheets For All Coatings Used At Above Location	<u>Closed/Resolved</u>
Castro Designers Choice	177473	Nc	E37935	3/3/2017	3/3/2017	203	Produce Coating Records Of All Coatings Used At Above Location Address; Produce All Sds Sheets For All Coatings Used At Above Location	<u>Closed/Resolved</u>
Chavez Concrete Pumping	188538	Nc	E45593	10/11/2018	9/12/2018	203(A)	Do Not Operate Engines Rated More Than 50 Bhp Without An Aqmd Permit Or Carb Registration.	<u>Closed/Resolved</u>
Chevron Extra Mile	177755	Nc	E37378	6/8/2017	6/8/2017	461	Remove Liquid From Spill Containers. Provide Proof Of Training For 461 Daily Inspections; Revert To Test Cycle (Jan-July)	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Chevron Extra Mile	177755	Nc	E37378	6/8/2017	6/8/2017	461 (E) (2)	Remove Liquid From Spill Containers. Provide Proof Of Training For 461 Daily Inspections; Revert To Test Cycle (Jan-July)	<u>Closed/Resolved</u>
Chevron Extra Mile	177755	Nov	P65455	6/8/2017	12/23/2015	461 (E) (1)	Failure To Conduct Performance Test Within 10 Days Of Initial Operation Of Gdf; Failure To Conduct Reverification Tests Semiannually (Less Than 12 Months Of Data)	<u>Closed/Resolved</u>
Chevron Extra Mile	177755	Nov	P65455	6/8/2017	12/23/2015	461(E)(2)	Failure To Conduct Performance Test Within 10 Days Of Initial Operation Of Gdf; Failure To Conduct Reverification Tests Semiannually (Less Than 12 Months Of Data)	<u>Closed/Resolved</u>
Chevron Extra Mile	177755	Nov	P71798	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4458	<u>Closed/Resolved</u>
Circle K #5240	180068	Nc	E34631	8/5/2016	8/5/2016	461	Replace Cracked Hose On Nozzle #2. Provide Proof Of Daily Inspection Certificate For All Employees That Perform Inspections Or Prove That Employees Have Been Trained. Provide 2016 Annual Periodic Inspection, June 2016 Vapor Testing, Repair Logs For 2016,	<u>Closed/Resolved</u>



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Circle K #5240	180068	Nc	E34631	8/5/2016	8/5/2016	461(C)(2)(B)	Replace Cracked Hose On Nozzle #2. Provide Proof Of Daily Inspection Certificate For All Employees That Perform Inspections Or Prove That Employees Have Been Trained. Provide 2016 Annual Periodic Inspection, June 2016 Vapor Testing, Repair Logs For 2016,	<u>Closed/Resolved</u>
Circle K #5249	180072	Nc	E35609	12/8/2016	12/8/2016	461	Provide Latest Pressure Vacuum Valve Results	<u>Closed/Resolved</u>
City Of Rialto Fire Station No. 203	177795	Nov	P71799	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4465	<u>Closed/Resolved</u>
City Of Rialto Fire Station No. 204	177797	Nov	P71800	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4472	<u>Closed/Resolved</u>
City Of Rialto, Fire Station No. 202	170747	Nov	P71764	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4856	<u>Closed/Resolved</u>
City Of San Bern, City Yard	65891	Nov	P71507	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2242	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number <sup>iv</sup>	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Colton Ave Auto Body	178069	Nc	E37932	2/23/2017	2/23/2017	42303	Reproduce All Coating Records From Your Method Now To Organize By Latest Application Back To Beginning Of Your Start Of Business.	<u>Closed/Resolved</u>
Colton City	67762	Nov	P71513	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2303	<u>Closed/Resolved</u>
Colton City Wastewater Plant	13596	Nc	E32576	3/25/2016	3/25/2016	42303	Provide Model Number, Serial Number And Horsepower Rating For Portable Kohler Generator Marked "513". And White Portable Generator With 6-Cylinder Engine. Provide Operating Log For Emergency Generator With Permit D75167. Natural Gas Bills For 2015.	<u>Closed/Resolved</u>
Colton City, Fire Dept	34172	Nov	P71441	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1597	<u>Closed/Resolved</u>
Colton Power, Lp	182561	Nc	E32303	6/30/2017	1/30/2016	2012 Appen A, Ch	Facility Permit Holder Is To Apply Missing Data Procedures Whenever Valid Monitoring Data Is Not Available. This Includes Periods Due To A Failed Daily Calibration.	<u>Closed/Resolved</u>
Colton Power, Lp	182563	Nc	E32302	6/14/2017	1/28/2016	2012 Appen A, Ch	Facility Permit Holder Is To Apply Missing Data Procedures Whenever Valid Monitoring Data Is Not Available	<u>Closed/Resolved</u>

Appendix 4-52

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Colton Unified Sch Dist Trans Dept	33219	Nc	E35218	4/26/2016	4/26/2016	203	Provide Gasoline Monthly Total Since January 2014 Provide Annual Reverification Tests For The 2014 Calendar Year Provide Test Date For The 2013 Calendar Year Submit Annually Monthly Totals (Gasoline) By March 1st	<u>Closed/Resolved</u>
Colton Unified Sch Dist Trans Dept	33219	Nc	E35218	4/26/2016	4/26/2016	461	Provide Gasoline Monthly Total Since January 2014 Provide Annual Reverification Tests For The 2014 Calendar Year Provide Test Date For The 2013 Calendar Year Submit Annually Monthly Totals (Gasoline) By March 1st	<u>Closed/Resolved</u>
Colton Unified Sch Dist Trans Dept	33219	Nov	P64360	6/15/2016	2/1/2014	461	Failing To Conduct The Annual Reverification Tests During The 2014 Calendar Year	<u>Closed/Resolved</u>
Colton Unified Sch Dist Trans Dept	33219	Nov	P71435	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1535	<u>Closed/Resolved</u>
Community Hospital Of San Bernardino	17722	Nov	P61573	7/28/2016	2/8/2013	203	Operation Of Three Boilers With Modified Burners Without Submitting Modification Applications	<u>Closed/Resolved</u>
Cst Organic Recycling	168396	Nov	P66404	10/25/2017	9/28/2017	203(A)	Operating A Portable Ice And Equipment At A Stationary Source Without A Valid Aqmd Permit.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Cutting Edge Supply Company	75681	Nc	E38212	1/10/2017	1/10/2017	Perp 2458	Maintain The Registration Certificate With The Equipment At All Times. Provide Records As Required By The Registration Certificate. Contact South Coast Aqmd Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange An Inspection	<u>Closed/Resolved</u>
Cutting Edge Supply Company	75681	Nc	E38212	1/10/2017	1/10/2017	Perp 2460	Maintain The Registration Certificate With The Equipment At All Times. Provide Records As Required By The Registration Certificate. Contact South Coast Aqmd Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange An Inspection	<u>Closed/Resolved</u>
Cutting Edge Supply Company	75681	Nc	E38212	1/10/2017	1/10/2017	Title13article5s	Maintain The Registration Certificate With The Equipment At All Times. Provide Records As Required By The Registration Certificate. Contact South Coast Aqmd Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange An Inspection	<u>Closed/Resolved</u>
Cutting Edge Supply Company	75681	Nc	E39902	6/28/2017	6/28/2017	Perp 2458	Provide Record Log With Location And Throughput For Any Perp Equipment.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
D R Horton	183341	Nov	P65503	10/11/2016	10/7/2016	403	The Company Allowed Emissions Of Fugitive Dust From A Disturbed Surface Area To Remain Visible In The Atm. Beyond The Property Line Of The Emission Source; Failure To Utilize Bacm Included In Table 1 Of The Rule To Minimize Fugitive Dust Emissions From	<u>Closed/Resolved</u>
Dakeno Inc	97409	Nc	E42826	3/15/2018	2/6/2018	40701(G)	Provide Evidence And Copies Of The Following: List Of Respective Dates Demolitions Took Place At The Location Address As Well As The Two Adjacent Buildings Located At 505 W Base Line St And 1168 North E St In San Bernardino; Waste Hauler Manifests Or	<u>Closed/Resolved</u>
Damas Capital Investments, Inc.	181468	Nov	P70585	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0534	<u>Closed/Resolved</u>
Damas Capital Investments, Inc.	181468	Nov	P70619	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0879	<u>Closed/Resolved</u>
Dave's Auto Body, Adelaida Vazquez DbA	130381	Nc	E35207	4/5/2016	4/5/2016	203	Before Operating The Spray Booth, Submit A Permit To Operate Application Or Disconnect The Spray Booth	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Dct Rialto Logistics Center	178651	Nc	E37942	4/21/2017	4/21/2017	206	Produce Permit G34740 And Post At Equipment; Plus Produce All Applicable Ice Reports As Listed In The Permit Conditions.	<u>Closed/Resolved</u>
Dct Rialto Logistics Center	178651	Nc	E37942	4/21/2017	4/21/2017	42303	Produce Permit G34740 And Post At Equipment; Plus Produce All Applicable Ice Reports As Listed In The Permit Conditions.	<u>Closed/Resolved</u>
Dct Rialto Logistics Center	178651	Nc	E37944	5/11/2017	5/11/2017	42303	Produce Proof Of Emission Standards In Permit Condition #9 As Listed And Required.	<u>Closed/Resolved</u>
Del Rosa Circle K	177898	Nov	P72718	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5626	<u>Closed/Resolved</u>
Del Rosa Fuel	136539	Nc	E34647	9/22/2016	9/22/2016	461	Replace Missing Gasket On The Reg Pdt Fill Cap On The 10k Tank. Install Operation & Instruction Sign With Correct Aqmd Number On Nozzle # 7. Produce Proof Of Daily Vapor Recovery Inspection Certificate For Person That Conducts Inspections. Produce Vapor	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Del Rosa Fuel	136539	Nc	E34647	9/22/2016	9/22/2016	461(C)(1)(A)	Replace Missing Gasket On The Reg Pdt Fill Cap On The 10k Tank. Install Operation & Instruction Sign With Correct Aqmd Number On Nozzle # 7. Produce Proof Of Daily Vapor Recovery Inspection Certificate For Person That Conducts Inspections. Produce Vapor	<u>Closed/Resolved</u>
Del Rosa Fuel	136539	Nc	E37432	10/18/2016	10/18/2016	461	Remove Mojave Aqmd Phone Number From All Nozzles And Install 1 (800) Cut Smog	<u>Closed/Resolved</u>
Del Rosa Fuel	136539	Nc	E39110	5/11/2017	5/11/2017	461	Rule 461 (E)(6)(D) _ Provide The Complete 2016 And 2017 Throughput Records (D)(4)(A) _ Provide The R461 Daily Training Certificate (C)(2)(B) _ Provide The Daily & Weekly Inspection Records, Remove All Ads Attached To Balance Hoses	<u>Closed/Resolved</u>
Del Rosa Fuel	136539	Nov	P64975	5/11/2017	2/4/2016	461	Rule 203b _ Operating A Gasoline Dispensing Facility Contrary To Permit Conditions _ #20 _ Failure To Record All Isd Alarms And Repairs On An Isd Alarm Log #21 _ Resetting Isd Alarms Without Proof Of Repairs #22 Misusing The Clear Test Function	<u>Closed/Resolved</u>
Del Rosa Fuel	136539	Nov	P72075	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9813	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Desert Wind Sandblasting	42881	Nc	E41435	11/29/2017	11/17/2017	Perp 2460	Submit Appointment Request Form For Perp Registered Engine # 119922. Carb Perp Program Requires Contact Of Local Air District Within 45 Days Of Registration Issuance/Renewal. South Coast Aqmd Contact Is Appointment Request Form.	<u>Closed/Resolved</u>
Devco Sandblasting & Industrial Coating	60323	Nc	E39919	9/27/2017	9/27/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Devore Mini Mart/Anis Eramya	115804	Nc	E34638	8/23/2016	8/23/2016	461	Replace Cracked Hoses On Nozzles # 6 & 8. Produce Daily Vapor Recovery Inspection Certificate For Conducting Daily Inspections. Produce 2016 Gasoline Thruput Records. Produce 2015 & 2016 Annual Periodic Compliance Inspection Reports.	<u>Closed/Resolved</u>
Devore Mini Mart/Anis Eramya	115804	Nc	E34638	8/23/2016	8/23/2016	461(C)(2) (B)	Replace Cracked Hoses On Nozzles # 6 & 8. Produce Daily Vapor Recovery Inspection Certificate For Conducting Daily Inspections. Produce 2016 Gasoline Thruput Records. Produce 2015 & 2016 Annual Periodic Compliance Inspection Reports.	<u>Closed/Resolved</u>
Downtown Auto Center	99849	Nc	E31659	2/3/2016	2/3/2016	203	Remount Dpg, Repair Filters, Post Permit	<u>Closed/Resolved</u>
Downtown Auto Center	99849	Nc	E31659	2/3/2016	2/3/2016	206	Remount Dpg, Repair Filters, Post Permit	<u>Closed/Resolved</u>

Appendix 4-58



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Ecology Auto Parts, Inc.	159798	Nc	E41533	1/25/2018	1/25/2018	Perp 2456	Provide Hour Meter Readings For Perp Engines Registration #S 151303 And 154794	<u>Closed/Resolved</u>
Ecology Auto Parts, Inc.	159798	Nc	E46143	12/7/2018	12/7/2018	Perp 2456	Maintain Functioning Hour Meter Reader. Correct/Match Engine Model No. On The Plate (Engine) And Registration Certificate	<u>Closed/Resolved</u>
Ecology Auto Parts, Inc.	159798	Nc	E46143	12/7/2018	12/7/2018	Title13article5s	Maintain Functioning Hour Meter Reader. Correct/Match Engine Model No. On The Plate (Engine) And Registration Certificate	<u>Closed/Resolved</u>
Ecology Auto Parts, Inc.	159798	Nov	P69001	12/11/2018	7/9/2018	Perp 2460	Failure To Contact The Home District Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Registration To Arrange Required Inspection.	<u>Closed/Resolved</u>
Ecology Recycling Services Inc	185639	Nc	E42701	1/19/2018	12/26/2017	203(B)	The Equipment Permit Unit Shall Not Be Operated Contrary To The Conditions Specified In The Permit To Operate. Specifically Condition #21 On Pto N28419;	<u>Closed/Resolved</u>
Ecology Recycling Services Inc	185639	Nc	E42702	1/19/2018	12/26/2017	42303	Provide The Following Records: Records Of Daily Water Flow Rate For 2017 And 2018 Under Pto G32848	<u>Closed/Resolved</u>
Ecology Recycling Services Inc	185639	Nc	E42707	2/2/2018	12/26/2017	203(B)	Do Not Operate Equipment Permit Unit (G32848) Contrary To The Conditions Specified (#S 6 & 7) In The Permit To Operate.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Eg Concrete Pumping	168328	Nc	E41434	11/29/2017	11/17/2017	Perp 2460	Submit Appointment Request Form For Perp Registered Engine # 165438. Carb Perp Program Requires Contact Of Local Air District Within 45 Days Of Registration Issuance/Renewal. South Coast Aqmd Contact Is Appointment Request Form.	<u>Closed/Resolved</u>
Empire Truck Repair, Inc.	179387	Nc	E37936	3/3/2017	3/3/2017	1151	Produce All Coating And Solvent Records From 2/16 To Present; Produce All Sds For All Coatings And Solvents; Replace The Booth Dryer Gauge And Clean Filter Plenum Of The Booth.	<u>Closed/Resolved</u>
Empire Truck Repair, Inc.	179387	Nc	E37936	3/3/2017	3/3/2017	203	Produce All Coating And Solvent Records From 2/16 To Present; Produce All Sds For All Coatings And Solvents; Replace The Booth Dryer Gauge And Clean Filter Plenum Of The Booth.	<u>Closed/Resolved</u>
Enko Systems Inc.	186000	Nc	E41145	11/2/2017	11/2/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Envisioning Future Inc.	160632	Nc	E42571	3/2/2018	3/2/2018	461	Provide The Following: Reverification Test Results, Pressure Vacuum Valve Results, Keep All Spill Buckets Clean, Replace Vapor Cap Grade 87	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Envisioning Future Inc.	160632	Nov	P70827	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8831	<u>Closed/Resolved</u>
Envisioning Future Inc.	160632	Nov	P72402	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6818	<u>Closed/Resolved</u>
Evans Auto Body	79053	Nc	E31663	3/4/2016	3/4/2016	109	Submit Application For Permit, Update Voc Records	<u>Closed/Resolved</u>
Evans Auto Body	79053	Nc	E31663	3/4/2016	3/4/2016	203	Submit Application For Permit, Update Voc Records	<u>Closed/Resolved</u>
Evans Fuel	90737	Nc	E34649	9/27/2016	9/27/2016	461	Produce The Record Of The Method 6 & Pv Valve Test. Produce The 2015 Annual Periodic Compliance Inspection Report.	<u>Closed/Resolved</u>
Exclusive Tent Rentals	160822	Nc	E41548	2/21/2018	2/21/2018	42303	Provide Location Records And Dates For Inspected Perp Equipment For The Last 2 Years.	<u>Closed/Resolved</u>
Exclusive Tent Rentals	160822	Nc	E41549	2/21/2018	2/21/2018	Title13article5s	Correct Engine Description On Carb Registration Certificate To Reflect Engine's Faceplate Information Properly.	<u>Closed/Resolved</u>
Exxonmobil Dlr, Nazih Waren, 11562, #18_Htq	55933	Nc	E39071	6/14/2017	6/14/2017	461	Provide Latest Periodic Compliance Inspection	<u>Closed/Resolved</u>

Appendix 4-61

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Fender Benderz Collision Center	181844	Nc	E29128	4/5/2016	3/9/2016	203	Before Operating The Spray Booth, Submit A Permit To Operate Application Or Disconnect The Spray Booth	<u>Closed/Resolved</u>
Food 4 Less, Store #303	174567	Nov	P70657	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1432	<u>Closed/Resolved</u>
Food N' Fuel	117766	Nc	E35571	6/9/2016	6/9/2016	203(A)	Make Administrative Change To Permit N23805 To Reflect Site Has 14 Nozzles And 42 Products With 2 Gasoline Tanks.	<u>Closed/Resolved</u>
Food N' Fuel Inc #23	29404	Nc	E39048	9/8/2017	9/8/2017	461	Replace Main Hose #2, Repair Faceplates # 2,5,And 6	<u>Closed/Resolved</u>
Fullmer Construction	184887	Nov	P63136	5/31/2017	5/31/2017	403	Allowing Track Out To Extend 25 Feet Or More (76.7 As Measured) In Cumulative Length From Point Of Origin From An Active Operation.	<u>Closed/Resolved</u>
Gage Canal Company	94998	Nov	P64161	4/1/2016	7/16/2014	1110.2	Failure To Submit Quarterly Reports Within 15 Days Of The End Of The Calendar Quarter	<u>Closed/Resolved</u>
Gallery Shutters, Inc	166129	Nc	E44536	12/14/2018	12/14/2018	203	Repair Or Replace Both Spray Booth Manometers And Clean Spray Booth From Thick Paint Buildup Including Both Filter Plenums And Change All Filters.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Gama Contracting Svcs Inc	158700	Nc	E36378	1/5/2017	1/5/2017	1403	Prior To Cont Set_Up, Removal Or Other Activities Secure And Stabilize Bldgs 3 At Loc Listed. Have A Certified Asbestos Consultant (Cac) Perform An Asb Cont Assessment At Location Listed, Bldg. 3. Provide Copy Of Assessment To Insp.	<u>Closed/Resolved</u>
Garcias 4 Seasons Tree Service Inc	183919	Nc	E38221	1/19/2017	1/19/2017	Title13article5s	Maintain The Registration Certificate And Operating Conditions With The Equipment At All Times.	<u>Closed/Resolved</u>
Gatx Corporation	12332	Nc	E42006	3/23/2018	3/23/2018	42303	Provide Records As Shown In Condition #7 Of D85897 From March 2017 To Present; Provide Proof Of Transfer Efficiency For All Spray Guns For D 80037, D80038, F32016, F32017, F 32018; Provide Lpg Records For G47520, From March 2017 To Present.	<u>Closed/Resolved</u>
Gatx Corporation	12332	Nov	P64369	5/4/2017	5/28/2015	3002	Operating A Scrubber Without An Active Permit To Operate	<u>Closed/Resolved</u>
Glen Helen Parkway, Llc	170117	Nc	E44517	10/5/2018	10/5/2018	203	Submit Change Of Operator Permits For Both Cummins And Invesco Ice's, Provide Information For Operating Hours/Year, For Maintenance & Testing.	<u>Closed/Resolved</u>
Glen Helen Parkway, Llc	170117	Nc	E44517	10/5/2018	10/5/2018	42303	Submit Change Of Operator Permits For Both Cummins And Invesco Ice's, Provide Information For Operating Hours/Year, For Maintenance & Testing.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number <sup>iv</sup>	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Glen Helen Parkway, Llc	170117	Nov	P68256	12/6/2018	10/30/2018	203	Failure To Show Compliance To Provide Operating Logs Showing Hours Of Use For Maintenance, Testing, And Emergency Use.	<u>Closed/Resolved</u>
Golden Corral	184950	Nc	E39677	6/15/2017	6/15/2017	222	Submit A Commercial Charbroiler Registration Form For The Wolf Charbroiler With The \$198.13 Registration Fee.	<u>Closed/Resolved</u>
Golden Gas Market	171162	Nc	E39047	8/30/2017	8/30/2017	461	Repair/Replace Nozzle #1 With Loose Spout, Replace Main Hose #2, Update Alarm Log	<u>Closed/Resolved</u>
Golden Gas Market	171162	Nov	P72546	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 7323	<u>Closed/Resolved</u>
Goodfellow Corp.	176548	Nc	E37866	12/23/2016	12/23/2016	Perp 2458	Submit An Appointment Request Form Within 45 Days After The Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection. Correct The Registration Certificate. Provide Records (Location And Throughput).	<u>Closed/Resolved</u>
Goodfellow Corp.	176548	Nc	E37866	12/23/2016	12/23/2016	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection. Correct The Registration Certificate. Provide Records (Location And Throughput).	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Goodfellow Corp.	176548	Nc	E37866	12/23/2016	12/23/2016	Title 13 article 5s	Submit An Appointment Request Form Within 45 Days After The Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection. Correct The Registration Certificate. Provide Records (Location And Throughput).	<u>Closed/Resolved</u>
Goodfellow Corp.	176548	Nc	E37869	12/23/2016	12/23/2016	203(A)	Do Not Operate Engine And/Or Equipment Units Without First Obtaining A Carb Portable Equipment Registration Or Aqmd Permit To Operate.	<u>Closed/Resolved</u>
Goodfellow Corp.	176548	Nc	E45240	9/25/2018	9/25/2018	Perp 2458	Submit Appointment Request Form For Any Carb Perp Registered Units Within 45 Days Of Renewal/Issuance	<u>Closed/Resolved</u>
H & K Petroleum, Inc	161218	Nc	E35578	8/3/2016	8/3/2016	461	Perform Methodology 6 On All 4 Vents.	<u>Closed/Resolved</u>
H & K Petroleum, Inc	161218	Nc	E35585	8/3/2016	8/3/2016	203(B)	Provide Test Results For 2016 Reverification Test, Latest Pressure Vacuum Valve Test Results, Alarm Log For 2016, Daily Inspection Log And Throughput Log For 2016. Ensure All Alarms On Veeder Root Monitor Are Addressed	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
H & K Petroleum, Inc	161218	Nc	E35585	8/3/2016	8/3/2016	461	Provide Test Results For 2016 Reverification Test, Latest Pressure Vacuum Valve Test Results, Alarm Log For 2016, Daily Inspection Log And Throughput Log For 2016. Ensure All Alarms On Veeder Root Monitor Are Addressed	<u>Closed/Resolved</u>
H & K Petroleum, Inc	161218	Nc	E35585	8/3/2016	8/3/2016	461(C)(2)(B)	Provide Test Results For 2016 Reverification Test, Latest Pressure Vacuum Valve Test Results, Alarm Log For 2016, Daily Inspection Log And Throughput Log For 2016. Ensure All Alarms On Veeder Root Monitor Are Addressed	<u>Closed/Resolved</u>
H & K Petroleum, Inc	161218	Nov	P72407	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6863	<u>Closed/Resolved</u>
'H' Street Collision Center, Inc	6406	Nc	E31665	4/15/2016	4/15/2016	203	Perform Maintenance On A 4 Dpgs	<u>Closed/Resolved</u>
Haley Bros Inc	13003	Nc	E44534	12/11/2018	12/11/2018	203	Submit 2 New Applications For Permits F 94055 And F 94056 To Correct For Filter Descriptions For Each; Clean Each Filter Plenum Spray Booth And Change Filters In Each Booth; Supply All Records As Stipulated In Each Aqmd Permit.	<u>Closed/Resolved</u>



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Haley Bros Inc	13003	Nc	E44534	12/11/2018	12/11/2018	42303	Submit 2 New Applications For Permits F 94055 And F 94056 To Correct For Filter Descriptions For Each; Clean Each Filter Plenum Spray Booth And Change Filters In Each Booth; Supply All Records As Stipulated In Each Aqmd Permit.	<u>Closed/Resolved</u>
Harber Companies, Inc.	186164	Nc	E41809	11/17/2017	11/17/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Harber Companies, Inc.	186164	Nc	E46187	11/30/2018	11/30/2018	Perp 2458	Maintain Records Of Material Throughput For All Perp Registered Equipment Units.	<u>Closed/Resolved</u>
Harber Companies Inc	178883	Nc	E41726	1/2/2018	1/2/2018	Perp 2460	Failure To Contact The Home District (South Coast Aqmd) Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Registration To Arrange Required Inspection.	<u>Closed/Resolved</u>
Highland Avenue Arco, Alfred Daher	158844	Nov	P72384	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6641	<u>Closed/Resolved</u>
Highland Shell, Nabil Saade	170528	Nc	E39045	8/25/2017	8/25/2017	461	Ensure All Pumps Have District Phone Number Signs, Provide Alarm Log, Latest Reverification Test Results, Pvv Results, Daily Inspections	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Highland Shell, Nabil Saade	170528	Nov	P72529	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 9036	<u>Closed/Resolved</u>
Hills Garden Hotel Llc	182716	Nc	E31843	6/30/2016	6/30/2016	203	Complete C/O Paperwork	<u>Closed/Resolved</u>
Holliday Rock Co., Inc.	41580	Nc	E37018	9/29/2016	9/29/2016	42303	Storage Asphalt Tanks Submit P/O Modification Applications Baghouse Discharge Into A Closed Container Or Reclaim Dust Collected	<u>Closed/Resolved</u>
Integrated Demolition And Remediation In	182946	Nc	E45721	12/28/2018	12/28/2018	1403	See Report Tab.	<u>Closed/Resolved</u>
Integrated Demolition And Remediation In	182946	Nc	E45722	12/28/2018	12/28/2018	1403	Provide A Copy Of An Adequate And Complete Asbestos Survey Report That Conforms To All Of The Provisions Of Rule 1403(D)(1)(A) To Inspector P.Homsey.	<u>Closed/Resolved</u>
Integrated Demolition And Remediation In	182946	Nc	E45723	12/28/2018	12/28/2018	1403	Provide A Copy Of An Adequate And Complete Asbestos Survey Report That Conforms To All Of The Provisions Of Rule 1403(D)(1)(A) To Inspector P.Homsey.	<u>Closed/Resolved</u>
J & J Snack Foods Corp. Of Ca	165551	Nc	E39656	6/21/2017	6/21/2017	1415.1	Finalize Carb Rmp Registration And Pay Annual Fees For Cy's 2013, 2014, 2015, 2016; Enter Automatic Leak Detection System Into R3	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
J. O. N. Steel	182390	Nc	E34870	5/3/2016	5/3/2016	203	Do Not Operate Portable Diesel Fueled Ic Engine Rated Greater Than 50 Hp Without A Valid South Coast Aqmd Po Or A Carb Portable Registration	<u>Closed/Resolved</u>
Jamie Torres	186240	Nc	E41436	11/29/2017	11/15/2017	Perp 2460	Submit Appointment Request Form For Perp Registered Engine # 172029. Carb Perp Program Requires Contact Of Local Air District Within 45 Days Of Registration Issuance/Renewal. South Coast Aqmd Contact Is Appointment Request Form.	<u>Closed/Resolved</u>
Jb Hunt Transport Lassen Yard	183584	Nc	E36524	10/28/2016	10/28/2016	403	Do Not Cause Or Allow Emissions Of Fugitive Dust Such That The Dust Remains Visible In The Atmosphere Beyond The Property Line Of The Emission Source Or The Dust Exceeds 20 Percent Opacity. Do Not Allow Track Out To Exceed 25 Feet Or More Of Cumulative L	<u>Closed/Resolved</u>
Jun Iron Works	103147	Nc	E37938	3/10/2017	3/10/2017	203	Correct Permit Description With Filters Of Your Spray Booth From 16 To 12.	<u>Closed/Resolved</u>
Khan Shell	155291	Nc	E35587	8/23/2016	8/23/2016	461(C)(2) (B)	Replace Main Hoses # 2, 4, 5, 6 & 8 With Exosed Braid. Repair/Replace Breakaway # 4 (Leaky) Ensure All Isd Alarms Are Addressed. Provide Isd Alarm Log.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Khan Shell	155291	Nc	E39072	6/23/2017	6/23/2017	461	Keep Alarm Log Updated, Throughput Log, Replace Nozzle Boots # 3 And 8, Repair /Replace Loose Spout #6	<u>Closed/Resolved</u>
Khan Shell	155291	Nc	E39019	11/16/2017	11/16/2017	461	Ensure Dispensers 3/4, 5/6, 7/8 Have Approved Complaint Number Signs, Replace Nozzle Boot #3 And #6, Replace /Repair Nozzle #6 With Loose Spout.	<u>Closed/Resolved</u>
Khan Shell	155291	Nov	P72330	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 2346	<u>Closed/Resolved</u>
King Equipment Llc	168478	Nc	E37875	1/3/2017	1/3/2017	Perp 2458	Maintain Written Evidence Of The Receipt Of The Registration(S) By The Customer.	<u>Closed/Resolved</u>
King Equipment Llc	168478	Nc	E38201	1/3/2017	1/3/2017	222	Submit R222 Registration Form For Equipment With A Diesel Fired Heater/Burner With Max Capacity Rating Of 550,000 Btu Per Hr. Or Less.	<u>Closed/Resolved</u>
King Equipment Llc	168478	Nc	E45971	12/20/2018	12/20/2018	Perp 2460	Failure To Contact The District Within 45 Days For An Inspection	<u>Closed/Resolved</u>
Komal Oil Inc	180676	Nc	E32753	2/16/2016	2/16/2016	461(C)(2) (B)	Ensure Community Port Setting Printout Indicates All Data.	<u>Closed/Resolved</u>
Komal Oil Inc	180676	Nc	E39075	7/13/2017	7/13/2017	461	Post Current P/O At Site, Provide Latest Periodic Compliance Inspection	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Komal Oil Inc	180676	Nov	P70699	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 1869	<u>Closed/Resolved</u>
Kwik Stop Dairy & Gasoline	70051	Nc	E33396	2/16/2016	2/16/2016	461	Replace Cracked Hoses On Nozzles 5 & 6 With Low Perm Hoses That Have A Strip On Its Side. Produce Jul, Aug, Sep 2015 & Jan 2016 Gas Throughput. Clean All Standing Water In All Overspill Containers On The Property.	<u>Closed/Resolved</u>
Kwik Stop Dairy & Gasoline	70051	Nc	E33396	2/16/2016	2/16/2016	461(C)(1)(A)	Replace Cracked Hoses On Nozzles 5 & 6 With Low Perm Hoses That Have A Strip On Its Side. Produce Jul, Aug, Sep 2015 & Jan 2016 Gas Throughput. Clean All Standing Water In All Overspill Containers On The Property.	<u>Closed/Resolved</u>
Kwik Stop Dairy & Gasoline	70051	Nc	E33396	2/16/2016	2/16/2016	461(C)(2)(B)	Replace Cracked Hoses On Nozzles 5 & 6 With Low Perm Hoses That Have A Strip On Its Side. Produce Jul, Aug, Sep 2015 & Jan 2016 Gas Throughput. Clean All Standing Water In All Overspill Containers On The Property.	<u>Closed/Resolved</u>
La Cadena Enterprises, Inc.	175188	Nov	P72628	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 6517	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Laurel Street Undercrossing	174776	Nc	E37931	2/23/2017	2/23/2017	42303	Produce Information On Permit Discrepancies For Equipment Decryption For G26534.	<u>Closed/Resolved</u>
Lkq Pick A Part - San Bernardino/Lkq Mid	170162	Nov	P71763	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4849	<u>Closed/Resolved</u>
Lluahsc_Sb_125	180967	Nc	E39234	6/6/2017	5/24/2017	42303	Provide Copy Of Rental Agreement With United Rentals For Portable Emergency Generator Under Registration # 161676, And Provide Installation Date For Perp Registered Generator To Verify Portability Of Unit Under Registration # 161676.	<u>Closed/Resolved</u>
M & J Union 76, Rafaat R Luga	148835	Nov	P70805	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8619	<u>Closed/Resolved</u>
Maaco	176254	Nc	E36687	7/29/2016	7/29/2016	42303	42303 For 2 Years Voc Records Since 1/1/2014	<u>Closed/Resolved</u>
Mars Petcare U.S., Inc.	38872	Nc	E37943	5/9/2017	5/9/2017	42303	Produce All Operation Maintenance Records For All Scrubbers, Baghouses, And Extruders From January 2016 To The Present.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Mars Petcare U.S., Inc.	38872	Nc	E37946	5/25/2017	5/25/2017	42303	Produce: Maintenance Specs From All Manuf. For All Air Pollution Control Equipment And Extruders; Documents For Age Of All Air Pollution Control Equipment; Info On Any Changes Of Dog Meal Formula Over Last 2 Years; Info On Pm & Sanitation Maintenance Schedules.	<u>Closed/Resolved</u>
Master Auto Collision	184773	Nc	E39352	5/10/2017	5/10/2017	1151	Provide Record Of Voc Coating Material Usage	<u>Closed/Resolved</u>
Matich Corp	71605	Nc	E41810	11/17/2017	11/17/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Matich Corp	135135	Nov	P63956	2/18/2016	10/17/2013	1146.2	(1)Operating An Asphalt Oil Storage Tank Without A Valid Permit To Operate.(2) Failure To Demonstrate Compliance With Rule 1146.2 Nox Emission Limits For The Asphalt Oil Storage Tank.	<u>Closed/Resolved</u>
Matich Corp	135135	Nov	P63956	2/18/2016	10/17/2013	203(A)	(1)Operating An Asphalt Oil Storage Tank Without A Valid Permit To Operate.(2) Failure To Demonstrate Compliance With Rule 1146.2 Nox Emission Limits For The Asphalt Oil Storage Tank.	<u>Closed/Resolved</u>
Medline Industries, Inc.	180785	Nc	E37950	6/2/2017	6/2/2017	42303	Produce Engine Operating Records That Distinguish Between Maintenance And Testing Events.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Mesa General Engineer	179276	Nc	E34455	8/25/2016	8/25/2016	403	The Company Shall: Implement Bacm To Ensure Adequate Dust Control Measures; Not Allow Fugitive Dust Emissions To Exceed 20% Opacity As A Result Of A Moving Vehicle; Not Allow Fugitive Dust To Remain Visible In The Atmosphere Beyond The Property Line	<u>Closed/Resolved</u>
Mesa General Engineer	179276	Nov	P65504	10/11/2016	10/7/2016	403	Allowed Fugitive Dust Emissions Generated By Disturbed Surface Areas To Cross Boundary Of Emission Source; Failure To Implement Bacm As Required By Rule 403	<u>Closed/Resolved</u>
Met Auto Service	117476	Nc	E34630	8/5/2016	8/5/2016	461	Have Your Vapor Recovery System Serviced Due To Containment Vapor Leaks, Containment Gross & Degradation. Have Salvador Huero Trained For Daily Vapor Recovery Inspections And Produce Proof Of Certificate.	<u>Closed/Resolved</u>
Met Auto Service	117476	Nc	E34630	8/5/2016	8/5/2016	461(C)(2)(B)	Have Your Vapor Recovery System Serviced Due To Containment Vapor Leaks, Containment Gross & Degradation. Have Salvador Huero Trained For Daily Vapor Recovery Inspections And Produce Proof Of Certificate.	<u>Closed/Resolved</u>



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Met Auto Service	117476	Nov	P71976	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8830	<u>Closed/Resolved</u>
Midland Oil Group, Llc Arco Ampm #82994	160021	Nov	P72396	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6757	<u>Closed/Resolved</u>
Mike Thompsons Rv	170323	Nc	E37937	3/9/2017	3/9/2017	203	Produce All Voc Coating Records For All Coating And Solvents From 2/16 To Present; Produce All Sds For Coatings And Solvents Used At Facility; Repair Or Replace Spray Booth Dywer Gauge, Sb Filter With A Hole In It.	<u>Closed/Resolved</u>
Mike Thompsons Rv	170323	Nc	E37937	3/9/2017	3/9/2017	42303	Produce All Voc Coating Records For All Coating And Solvents From 2/16 To Present; Produce All Sds For Coatings And Solvents Used At Facility; Repair Or Replace Spray Booth Dywer Gauge, Sb Filter With A Hole In It.	<u>Closed/Resolved</u>
Montecito Memorial Park	150554	Nov	P71732	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4535	<u>Closed/Resolved</u>
Msl Electric Inc.	172841	Nc	E40218	8/2/2017	8/2/2017	Perp 2458	Provide Records Of Engine Model, S/N, Make And Bhp	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Mt. View Cemetery	8660	Nov	P71319	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0385	<u>Closed/Resolved</u>
Nack Sung Jeung Be Lo Sa	178276	Nov	P72796	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 4663	<u>Closed/Resolved</u>
National Orange Show	67549	Nov	P63966	10/19/2017	10/10/2017	403(D)(1)	The Facility Allowed Dust To Remain Visible In The Atmosphere Beyond The Property Line And The Facility Conducted An Active Operation Without Utilizing The Applicable Best Available Control Measures.	<u>Closed/Resolved</u>
National Orange Show	67549	Nov	P63966	10/19/2017	10/10/2017	403(D)(2)	The Facility Allowed Dust To Remain Visible In The Atmosphere Beyond The Property Line And The Facility Conducted An Active Operation Without Utilizing The Applicable Best Available Control Measures.	<u>Closed/Resolved</u>
Niagara Bottling, Llc	180538	Nc	E35961	5/5/2017	5/5/2017	203(B)	Provide Records And Source Test For Permits To Operate G45647, G42091 & G37939	<u>Closed/Resolved</u>
Nino's Number One Inc	170035	Nc	E31656	1/28/2016	1/28/2016	203(B)	Submit Administrative Change For # Of Filters - Has 30 And Permit Says 24	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Nk Demolition	185172	Nov	P61123	10/6/2017	7/11/2017	1403	Failure To Conduct An Asbestos Survey, Failure To Notify Of The Demolition 10 Working Days Prior, Failure To Submit The Required Revisions.	<u>Closed/Resolved</u>
Nm Mid Valley Genco Llc	129660	Nc	E40089	11/2/2017	11/2/2017	42303	Submit The Following Data From 01/01/2016 To Present: Cems Data In 15 Min. Intervals, All Cems Down Time Incidents, Verification Of Excess Emissions And Cems Down Time Incidents From 01/01/2016 To Present	<u>Open/Pending</u>
Nm Mid Valley Genco Llc	129660	Nov	P66410	2/1/2018	1/1/2016	1110.2	Failure To Report Exceedances Of Nox Concentrations From Engine 1 & 2 Within 24 Hours Or Next Working Day; Failure To Notify South Coast Aqmd With 24 Hours Or Next Working Day Of Cems Shutdowns Exceeding 24 Consecutive Hours; Failure To Operate A Title V Facility	<u>Closed/Resolved</u>
Nm Mid Valley Genco Llc	129660	Nov	P66410	2/1/2018	1/1/2016	218	Failure To Report Exceedances Of Nox Concentrations From Engine 1 & 2 Within 24 Hours Or Next Working Day; Failure To Notify South Coast Aqmd With 24 Hours Or Next Working Day Of Cems Shutdowns Exceeding 24 Consecutive Hours; Failure To Operate A Title V Facility	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Nm Mid Valley Genco Llc	129660	Nov	P66410	2/1/2018	1/1/2016	3002	Failure To Report Exceedances Of Nox Concentrations From Engine 1 & 2 Within 24 Hours Or Next Working Day; Failure To Notify South Coast Aqmd With 24 Hours Or Next Working Day Of Cems Shutdowns Exceeding 24 Consecutive Hours; Failure To Operate A Title V Facility	<u>Closed/Resolved</u>
Noel Corros	181500	Nov	P61567	1/17/2016	1/17/2016	444(D)	Burning Of Green Waste On A No Burn Day In A Residential Neighborhood	<u>Closed/Resolved</u>
Operating Engineers Training Trust	141772	Nc	E21155	9/14/2016	8/23/2016	Perp 2460	Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Registration The Owner Or Operator Shall Contact The Home District To Arrange For Inspection Of The Equipment	<u>Closed/Resolved</u>
Operating Engineers Training Trust	183447	Nc	E21156	9/14/2016	8/23/2016	203(A)	The Company Shall Submit An Application To Obtain A South Coast Aqmd Stationary Source P/O For The Aggregate Plant And Its Associated Baghouse	<u>Closed/Resolved</u>
Orange Oil Co - Colton	143229	Nov	P72158	12/11/2018	3/2/2018	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5011	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Orange Show Food Mart, Digant Thaker	153039	Nov	P70784	11/29/2017	3/2/2017	461(C)(3) (Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8404	<u>Closed/Resolved</u>
P.W. Stephens Environmental Inc	163406	Nc	E38937	10/19/2017	10/19/2017	1403	Secure & Stabilize Debris. Have Cac Perform Asbestos Contamination Assessment (Work Areas & Debris Bin). Provide Copy Of Cac Report To Inspector P. Homsey	<u>Closed/Resolved</u>
Pablo's Ornamental Iron Works	176638	Nc	E39351	5/10/2017	5/10/2017	1136	Provide Record Of Paint Use For Painting Wood	<u>Closed/Resolved</u>
Pacwest Engineering Co Inc	186656	Nc	E41727	1/26/2018	12/22/2017	Title13article5s	A Placard Shall Be Required For Every Engine Or Equipment Unit Registered In The Statewide Registration Program. The Placard Shall Be Affixed On The Registered Engine Or Equipment Unit At All Times So That It May Be Easily Viewed From A Distance.	<u>Closed/Resolved</u>
Park West Enterprises Inc	174217	Nc	E34456	10/12/2016	10/12/2016	42303	The Company Shall Provide The Following Information: Inventory Of Diesel Fueled Ices Rated Greater Than 50 Hp (Aux. Engines Like Vacuum Pump Units) Provide Make, Model, Serial#, Hp Rating, Yr. Of Mfg.; Location Of Operation Of The Aux. Ice; List Of Companies That Use	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Pavement Recycling Systems	169575	Nc	E37098	11/4/2016	11/4/2016	203(A)	Do Not Operate Engine Without First Obtaining A Carb Portable Equipment Registration.	<u>Closed/Resolved</u>
Pavement Recycling Systems	169575	Nc	E37099	11/4/2016	11/4/2016	Perp 2458	Provide Records. Maintain Registration Certificate With Equipment At All Times. Affix Metal Placard In Visible Location. Affix Registration Sticker. Correct The Certification To Reflect Information On Equipment Nameplate. Submit Appointment Request Forms.	<u>Closed/Resolved</u>
Pavement Recycling Systems	169575	Nc	E37099	11/4/2016	11/4/2016	Perp 2460	Provide Records. Maintain Registration Certificate With Equipment At All Times. Affix Metal Placard In Visible Location. Affix Registration Sticker. Correct The Certification To Reflect Information On Equipment Nameplate. Submit Appointment Request Forms.	<u>Closed/Resolved</u>
Pavement Recycling Systems	169575	Nc	E37099	11/4/2016	11/4/2016	Title13ar title5s	Provide Records. Maintain Registration Certificate With Equipment At All Times. Affix Metal Placard In Visible Location. Affix Registration Sticker. Correct The Certification To Reflect Information On Equipment Nameplate. Submit Appointment Request Forms.	<u>Closed/Resolved</u>
Pavement Recycling Systems, Inc	140802	Nc	E41779	1/4/2018	1/4/2018	42303	Provide Throughput Records For Units Registered: 162884, 162883, 173683, 173682, 173684	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Phillips 66 Colton Terminal _ East	171329	Nc	E22542	8/23/2018	5/24/2018	3002	Resubmit Title V 500 Sam Correct Date	<u>Closed/Resolved</u>
Pipe Jacking Trenchless, Inc	183929	Nc	E38222	1/19/2017	1/19/2017	Title13article5s	Submit Change Of Ownership Form To Carb For All Registrations Including 153422, 156857 And 167403.	<u>Closed/Resolved</u>
Psip Shaw Lexington, Llc	183455	Nc	E37948	5/31/2017	5/31/2017			<u>Closed/Resolved</u>
Pyramid Precast Inc	19718	Nc	E37017	9/28/2016	9/28/2016	42303	Provide Monthly Diesel (Gallons) And Concrete (Cubic Yards) Amounts For The Last Two Years Provide Monthly Cement (Tons) Amounts For The Last Two Years	<u>Closed/Resolved</u>
Quantum Freight	185894	Nov	P63965	10/19/2017	10/10/2017	403(D)(1)	The Facility Allowed Dust To Remain Visible In The Atmosphere Beyond The Property Line And The Facility Conducted An Active Operation Without Utilizing The Applicable Best Available Control Measures.	<u>Closed/Resolved</u>
Quantum Freight	185894	Nov	P63965	10/19/2017	10/10/2017	403(D)(2)	The Facility Allowed Dust To Remain Visible In The Atmosphere Beyond The Property Line And The Facility Conducted An Active Operation Without Utilizing The Applicable Best Available Control Measures.	<u>Closed/Resolved</u>
Qwik Stop, Ali Yasin Db	108901	Nc	E35604	10/6/2016	10/6/2016	461	Provide Latest Reverification Test Results, Latest Pressure Vacuum Valve Test Results, Latest Periodic Compliance Inspection And Methodology 4 & 6 Test Results.	<u>Closed/Resolved</u>
Qwik Stop, Ali Yasin Db	108901	Nc	E35612	1/5/2017	1/5/2017	461	Conduct Method 4 And 6 By 12_31_17	<u>Closed/Resolved</u>
Qwik Stop, Ali Yasin Db	108901	Nov	P63221	1/5/2017	12/1/2014	461	Failure To Conduct Reverification Testing Annually For 2014,2015 And 2016	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Ralph's Grocery Co, Food 4 Less #786	135720	Nov	P70881	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9371	<u>Closed/Resolved</u>
Rancho Verde Cleaners, Charles Ryu DbA	122105	Nc	E35959	5/2/2017	5/2/2017	1421	Provide Mileage Records Of 2016	<u>Closed/Resolved</u>
Reche Canyon Rehabilitation	143749	Nc	E29968	9/2/2016	9/2/2016	2202	R2202 Plan And Fees	<u>Open/Pending</u>
Residential Asbestos	95762	Nc	E40456	7/5/2017	7/5/2017	1403	**See Report Tab For Compliance Instructions**	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E40456	7/5/2017	7/5/2017	42303	**See Report Tab For Compliance Instructions**	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E38943	1/5/2018	1/5/2018	1403	Prior To Resuming Demolition, Secure & Stabilize The Work Area. Have Cac Produce A Compliant Survey Report Suitable For A Demolition. If Asbestos Is Found, Hire A Certified Asbestos Contractor For Removal. Have Cac Assess For Possible P5 Due To Damaged	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E38949	2/6/2018	2/6/2018	1403	Prior To Resuming Demolition, Have Cac Assess Work Areas And Debris Piles For The Presence Of Asbestos. If Asbestos Is Found, Have Cac Write A P5 Cleanup Plan To Be Approved By South Coast Aqmd And Executed By A Certified Asbestos Abatement Contractor.	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E43455	3/13/2018	3/9/2018	40701(G)	Please Provide Evidence And Copies Of The Following: Dates Structure Was Demolished; Person(S) Involved With Demolition Of Structure, (Name(S) Addresses And Phone Numbers); All Demolition Notifications; Prior Asbestos Survey(S);	<u>Closed/Resolved</u>



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action/Case Status</u>
Residential Asbestos	95762	Nc	E42845	7/13/2018	7/13/2018	40701(G)	Provide Evidence And Copies Of The Following: Prior Asbestos Survey; Building & Safety Permits; Contracts, Work Orders And Scopes Of Work; Waste Manifests; Business License	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E45160	8/21/2018	8/21/2018	1403	Prior To Resuming The Demolition/Renovation At The Location Address, Secure & Stabilize Debris Bin, Debris Piles And Work Areas. Have A Cac Assess Debris Bin, Debris Piles And Work Areas For The Presence Of Asbestos. If Asbestos Is Found, Have Cac Write	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E45161	8/21/2018	8/21/2018	40701(G)	Provide The Following For Work Performed At The Location Address: Prior Asbestos Survey; Asbestos Removal Notifications; Contracts; Building & Safety Permits	<u>Closed/Resolved</u>
Residential Asbestos	95762	Nc	E45162	9/4/2018	9/4/2018	1403	Secure & Stabilize Work Areas, Debris Piles & Debris Bin; Have Cac Assess Work Areas, Debris Piles & Debris Bin For The Presence Of Asbestos; If Asbestos Is Found, Have Cac Write A P5 Cleanup Plan To Be Approved By South Coast Aqmd And Executed By A Certified	<u>Closed/Resolved</u>
Restoration Management Co.	159842	Nc	E30042	4/7/2016	1/29/2016	42303	Provide Proof Of The Following For The Emergency Reno Project: Property Owner Abraham Medallion And General Contractor (Harco) Name, Mailing Address & Phone Number	<u>Closed/Resolved</u>
Restoration Management Co.	159842	Nc	E30043	4/7/2016	1/29/2016	1403	Provide Proof Of Following For The Emergency Reno Project: 1) Facility Survey Of All Affected Friable & Class I & Class II Non-Friable Acm; 2) Original Notif & Revised Fees Pursuant To Rule 301; 3) Date & Hr Of Emergency Occured & Discription....	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Rialto Unified School District	46307	Nc	E44514	8/28/2018	8/28/2018	203	Clean Out All Gasoline Overspill Containers, Prove That On Site Pv Valve Is Current Carb Certified, Prove That All Spray Guns Used In Spray Booth Are Transfer Efficiency Of At Least 65%, Repair Or Replace The Spray Booth Pressure Gauge.	<u>Closed/Resolved</u>
Rialto Unified School District	46307	Nc	E44514	8/28/2018	8/28/2018	42303	Clean Out All Gasoline Overspill Containers, Prove That On Site Pv Valve Is Current Carb Certified, Prove That All Spray Guns Used In Spray Booth Are Transfer Efficiency Of At Least 65%, Repair Or Replace The Spray Booth Pressure Gauge.	<u>Closed/Resolved</u>
Rialto Unified School District	46307	Nc	E44514	8/28/2018	8/28/2018	461	Clean Out All Gasoline Overspill Containers, Prove That On Site Pv Valve Is Current Carb Certified, Prove That All Spray Guns Used In Spray Booth Are Transfer Efficiency Of At Least 65%, Repair Or Replace The Spray Booth Pressure Gauge.	<u>Closed/Resolved</u>
Rounsvilles Auto Body	118735	Nc	E31662	2/9/2016	2/9/2016	42303	Submit 2015 Voc Records	<u>Closed/Resolved</u>
S & J Concrete Pumping, Inc.	183833	Nc	E38215	1/10/2017	1/10/2017	Perp 2460	Contact South Coast Aqmd Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange The Required Inspection.	<u>Closed/Resolved</u>
S & S Baseline 76	166898	Nov	P72482	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5936	<u>Closed/Resolved</u>
Safeway Building Services, Inc	176270	Nc	E38224	1/20/2017	1/20/2017	Perp 2460	Contact The Home District Within 45 Days After The Initial Issuance Or Renewal Of A Carb Registration To Arrange For The Required Inspection.	<u>Closed/Resolved</u>
Sahi Enterprises, Inc.	168560	Nc	E39046	8/30/2017	8/30/2017	461	Post P/O On Site, Replace Main Hose #7, And Ensure All Pumps Have District Phone Number. Provide Throughput Log	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Sahi Enterprises, Inc.	168560	Nov	P72506	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7016 0750 0000 5020 7778	<u>Closed/Resolved</u>
Salvador Rodriguez	186630	Nc	E42703	1/23/2018	1/23/2018	1403	Secure And Stabilize Debris. Prior To Continuing Renovation, Have Certified Asbestos Consultant (Cac) Perform Asbestos Contamination Assessment (Front Lawn, Driveway, Backyard, And Interior). Provide A Copy Of Cac's Report To Insp. Homsey.	<u>Closed/Resolved</u>
Sam's Club Fueling Station #6624	135782	Nc	E32732	1/5/2016	1/5/2016	461	Provide Current Pressure Vacuum Valve Test Results.	<u>Closed/Resolved</u>
Sam's Club Fueling Station #6624	135782	Nc	E42588	5/9/2018	5/9/2018	461	Provide Method 6 Test Results	<u>Closed/Resolved</u>
San Ber Cnty Solid Waste Mgmt Mid Valley	50299	Nc	E40091	11/3/2017	11/3/2017	3002	Submit A Title V Permit Application For All Sources Operated Under Athens Services.	<u>Closed/Resolved</u>
San Ber Cnty Solid Waste Mgmt Mid Valley	50299	Nc	E42844	7/11/2018	7/5/2018	40701(G)	Provide Installation Date And Operating Records For The Diesel Fueled Electric Generator Used To Power Leachate Equipment Under Permit To Operate R_D59130. This Generator Carried Perp Registration Number 127098.	<u>Closed/Resolved</u>
San Bern City Uni Sch Dist,Alessandro Sc	2031	Nc	E31836	2/10/2016	2/10/2016	1415	Apply For Registration For The 5 A/C Units With 56#S Freon In Each	<u>Closed/Resolved</u>
San Bern City Uni Sch Dist,Dist Admin Of	23773	Nc	E31840	2/26/2016	2/26/2016	42303	Supply Status Of 1415 Units Previously Registered, Spec Sheet For Ice.	<u>Closed/Resolved</u>
San Bern City Unified School Dist	8144	Nc	E31841	2/26/2016	2/26/2016	42303	Supply Me With Copies Of Reverification Tests For 2013 And 2015.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
San Bern City Unified School Dist	8144	Nov	P61571	3/25/2016	6/1/2015	461 (E) (2)	Operation Of A Gasoline Storage And Dispensing Facility Without The 2015 Reverifications Tests	<u>Closed/Resolved</u>
San Bern City Unified School Dist	8144	Nov	P71315	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0347	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (H2o)	97084	Nc	E31837	2/10/2016	2/10/2016	203	Apply For A P/O For The Ice.	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (Wrp)	11301	Nc	E31419	11/30/2016	11/30/2016	203	Submit A Copy Of The Operations And Maintenance Log For The Equipment That Was Reported In The Breakdown Notification From 11/1/16 To 12/2/16.	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (Wrp)	11301	Nc	E31420	12/20/2016	12/15/2016	203	Submit A Copy Of The Operations And Maintenance Log For The Boiler In The Reported Breakdown On 12/15/16.	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (Wrp)	11301	Nc	E40083	8/3/2017	8/1/2017	1110.2	Submit All Source Test Reports Within 60 Days Of Completion Of Test	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (Wrp)	11301	Nc	E38933	10/10/2017	10/10/2017	203(B)	Collect Daily Readings Of Hydrogen Sulfide Per Condition 9 Of Permit To Operate G40829.	<u>Closed/Resolved</u>
San Bernardino City Mun Water Dept (Wrp)	11301	Nov	P61122	10/6/2017	6/24/2017	203	Failure To Record The Daily Hydrogen Sulfide Concentration For Headworks Scrubbers.	<u>Closed/Resolved</u>
San Bernardino City Unified School Dist	84043	Nc	E31842	3/25/2016	3/25/2016	222	Apply For R222 Registration For You 3 Boilers	<u>Closed/Resolved</u>
San Bernardino City Unified School Dist	84043	Nov	P61569	3/25/2016	9/1/2015	461 (E) (2)	Not Performing The 2015 R461 Reverification Tests.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
San Bernardino City Unified School Distr	51440	Nc	E31668	5/26/2016	5/26/2016	203	Update Ice Log	<u>Closed/Resolved</u>
San Bernardino City, Water & Power Dept	126656	Nc	E30039	3/29/2016	3/24/2016	203	Submit App For Permit Modif (Id126659, P/O F37183 An 380832) Facility Name (San Bernardino City Municipal Water Dept) & Address 399 Chandler Pl, San Berdu, Ca 92408, Equipment Info On Caterpillair Engine Plate (Model #3412di, 890hp & 664kw	<u>Closed/Resolved</u>
San Bernardino Co Vehicle Srv Dept, Cvsc	91146	Nc	E37093	9/30/2016	9/28/2016	203 (A)	Do Not Operate Engine Without First Obtaining An Aqmd Permit To Operate.	<u>Closed/Resolved</u>
San Bernardino International Airport	185965	Nc	E41140	10/26/2017	10/26/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
San Bernardino International Airport Aut	172467	Nc	E44513	8/24/2018	8/24/2018	42303	Produce All Records Under P/O G21074 Conditions 15, 16, 17, And 18.	<u>Closed/Resolved</u>
San Bernardino International Airport Aut	172467	Nov	P63149	10/5/2018	8/1/2014	203	Failure To Show Compliance By Not Operating As Per Permit Condition #8 (Testing Requirements Under Rule 461). Failure Under Rule 461 Unit For G21074 Since 8/1/14 As Required.	<u>Closed/Resolved</u>
San Bernardino International Airport Aut	172467	Nov	P63149	10/5/2018	8/1/2014	461	Failure To Show Compliance By Not Operating As Per Permit Condition #8 (Testing Requirements Under Rule 461). Failure Under Rule 461 Unit For G21074 Since 8/1/14 As Required.	<u>Closed/Resolved</u>
San Bernardino International Airport Aut	172467	Nov	P68255	10/11/2018	10/1/2014	203	Failure To Show Compliance By Exceeding 1500 Gallons In Any One Month For 12 Months (From 2016 To Present)	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
San Bernardino International Airport Aut	172467	Nov	P68255	10/11/2018	10/1/2014	461	Failure To Show Compliance By Exceeding 1500 Gallons In Any One Month For 12 Months (From 2016 To Present)	<u>Closed/Resolved</u>
San Bernardino Valley College	72194	Nc	E37014	9/20/2016	9/20/2016	1146.2	Provide Gas Bills For Liberal Arts Building Since January 2014 Provide Manufacture Date For Ajax Boiler Provide Generator Log For Ctb And Media & Communication Buildings Since January 2014 Register 3 Boilers For Gymnasium Building	<u>Closed/Resolved</u>
San Bernardino Valley College	72194	Nc	E37014	9/20/2016	9/20/2016	1470	Provide Gas Bills For Liberal Arts Building Since January 2014 Provide Manufacture Date For Ajax Boiler Provide Generator Log For Ctb And Media & Communication Buildings Since January 2014 Register 3 Boilers For Gymnasium Building	<u>Closed/Resolved</u>
San Bernardino Valley College	72194	Nc	E37014	9/20/2016	9/20/2016	222	Provide Gas Bills For Liberal Arts Building Since January 2014 Provide Manufacture Date For Ajax Boiler Provide Generator Log For Ctb And Media & Communication Buildings Since January 2014 Register 3 Boilers For Gymnasium Building	<u>Closed/Resolved</u>
Sb County, Facilities Mgmt Dept	73935	Nov	P62043	6/3/2016	12/22/2015	203 (A)	The Facility Above Was Operating Two Isuzu Ices Rated 150 Hp Without A South Coast Aqmd Permit To Operate.	<u>Closed/Resolved</u>
Sbcusd, Indian Springs High School	176134	Nc	E31839	2/26/2016	2/26/2016	222	Register 2 Boilers	<u>Closed/Resolved</u>
Shancor Testing	140518	Nov	P65454	4/12/2017	3/23/2017	461(E)(3)	Failure To Notify South Coast Aqmd 24 Hours Prior To Originally Scheduled Time That The Test Would Not Be Conducted At The Originally Scheduled Date And Time.	<u>Closed/Resolved</u>
Shandin Hills Golf Club Eagle Golf	179539	Nov	P71158	12/1/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #70171450000217317110	<u>Closed/Resolved</u>

Appendix 4-88

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Shoeb Interprises Inc,	153290	Nov	P72283	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1882	<u>Closed/Resolved</u>
Shop N Go	179600	Nc	E39056	5/11/2017	5/11/2017	461	Provide Latest Pci	<u>Closed/Resolved</u>
Sigma Petroleum Inc	184823	Nc	E37379	6/8/2017	6/8/2017	203	Obtain A Permit To Operate Under New Ownership; Post Required South Coast Aqmd Signs On # 1, 3, 4; Make Available Monthly Throughput Records Since 2014	<u>Closed/Resolved</u>
Sigma Petroleum Inc	184823	Nc	E37379	6/8/2017	6/8/2017	461	Obtain A Permit To Operate Under New Ownership; Post Required South Coast Aqmd Signs On # 1, 3, 4; Make Available Monthly Throughput Records Since 2014	<u>Closed/Resolved</u>
Smc Grease Specialist Inc	177783	Nc	E21158	9/21/2016	8/4/2016	42303	The Company Shall Provide The Following Information: All Details (Specs) Of All Ices Rated >50hp. Arrange Verification Of Data (Inspection); All Details Regarding Plans To Stop Using Ices To Pump Grease Into The Facility (Plant). Provide Timeline And Equip.	<u>Closed/Resolved</u>
Southland Pipe Corp	145945	Nc	E37016	9/27/2016	9/27/2016	42303	Interior Lining Batch Plant / Cement Silo Provide List Of Modifications Exterior Lining Batch Plants Provide Capacity Of Mixers Cement Silos Monthly Amounts Of Cement Received (Barrels) For Last Two Years Interior Lining Batch Plant	<u>Closed/Resolved</u>
Spray Enclosure Technologies, Inc	144776	Nc	E21151	6/22/2016	6/17/2016	203 (A)	The Company Shall Not Operate Any Plasma Cutting Equipment To Cut Stainless Steel Without First Obtaining A South Coast Aqmd Permit To Operate (Esab Unit, Pcm 875, Max 60a)	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Spray Enclosure Technologies, Inc	144776	Nc	E21152	6/22/2016	6/17/2016	42303	The Company Shall Provide The Following: Specification Sheet For Maxon Burner (Size 1.6m) Installed On Oven Under P/O F76344; Powder Coating Usage Records For 2015 And 2016 (Monthly Logs); Manufacturer Specifications For Burners Tested At Natural Gas Line Test	<u>Closed/Resolved</u>
Spray Enclosure Technologies, Inc	144776	Nc	E21153	6/22/2016	6/17/2016	203 (A)	The Company Shall Submit The Following Applications: To Correct The Permit Description For The Powder Coating Booth (F76343) So That It Reflects The Correct Equipment Specifications (Modification); To Permit The Laser Cutting System (Mazak); To Permit The	<u>Closed/Resolved</u>
Spray Enclosure Technologies, Inc	144776	Nc	E34454	7/28/2016	6/17/2016	203 (B)	The Company Shall Submit A Source Test Protocol For Review In Order To Source Test The 30 Ppm Nox Emission Limit Indicated By The Oven Permit Conditions	<u>Closed/Resolved</u>
Spray Enclosure Technologies, Inc	144776	Nov	P65505	10/14/2016	1/2/2014	203 (A)	Failure To Obtain A South Coast Aqmd Permit To Operate The Following Equipment Units: Powder Coating Booth (Prev. P/O F76343); Powder Coating Oven (Prev. P/O F76344); Mazak Laser Cutter And Assoc. Apc; Three Natural Gas Fired Burner Test Stands	<u>Closed/Resolved</u>
St Mina's Cleaners	180516	Nc	E37032	5/2/2017	5/2/2017	42303	Provide Solvent Purchase Invoice And Waste Manifest For The Last Two (2) Years Provide Safety Data Sheet (Sds) For Solvent Start Maintaining Monthly Leak Annual Mileage, And Daily Check Records	<u>Closed/Resolved</u>
St Mina's Cleaners	180516	Nc	E39240	6/29/2017	6/29/2017	1102	Provide Records Of Petroleum Solvent Purchases For 2016 (Gallons Purchased And Put Into Unit), And Keep All Waste Containers For Dry Cleaning Unit Covered/Closed At All Times.	<u>Closed/Resolved</u>
Staten Solar	184818	Nov	P63137	6/1/2017	5/31/2017	403	Allowing Track Out To Extend 25 Feet Or More In Cumulative Length From Point Of Origin From An Active Operation;	<u>Closed/Resolved</u>

Appendix 4-90



Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Stater Bros Markets	185968	Nc	E41139	10/26/2017	10/26/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Stater Bros. Markets	152227	Nc	E38409	7/20/2018	7/20/2018	2202	Provide Information On Total Employees And Peak Window Employees At Work Site	<u>Closed/Resolved</u>
Sti Demolit'n, Inc. Dba Full Scale Demol	153756	Nc	E42848	7/24/2018	7/20/2018	40701(G)	Provide Evidence & Copies Of The Following For Work Performed At The Location Address: Prior Asbestos Survey; Asbestos Removal Notifications; Cslb Contractors License; Dosh License To Remove Asbestos; Contracts & Scopes Of Work; Building & Safety Permits	<u>Closed/Resolved</u>
Stronghold Engineering Inc	152459	Nc	E41138	10/25/2017	10/25/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection. Identification (Orange) Sticker Needs To Be Affixed To The Equipment.	<u>Closed/Resolved</u>
Stronghold Engineering Inc	152459	Nc	E41138	10/25/2017	10/25/2017	Title13article5s	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection. Identification (Orange) Sticker Needs To Be Affixed To The Equipment.	<u>Closed/Resolved</u>
Sugar Creek Enterprises	186489	Nc	E39693	10/19/2017	10/19/2017	403	Stabilize All Unpaved Land On Lot Using Any Bacm Available.	<u>Closed/Resolved</u>
Sukut Construction Inc.	120476	Nc	E40251	6/23/2017	6/23/2017	Perp 2458	Provide Records For Engines With The Carb Registration Numbers 130804 And 130801.	<u>Closed/Resolved</u>
Sukut Construction, Llc	176677	Nov	P63147	8/22/2018	8/21/2018	403	No Person Shall Allow Track Out To Extend 25 Feet Or More In Cumulative Length From Point Of Origin From Active Operation.	<u>Closed/Resolved</u>
Sukut Equipment Inc	78102	Nc	E37089	9/27/2016	9/27/2016	Perp 2458	Provide Records Required By The Registration Certificate For January 2015 To Present.	<u>Closed/Resolved</u>

Appendix 4-91

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action</u> <u>Case Status</u>
Sunburst Bio Products	185724	Nc	E39246	9/22/2017	9/22/2017	203 (A)	Do Not Operate Ajax Boiler Rated At 1 Million Btu/Hr. Without A Valid Registration.	<u>Closed/Resolved</u>
Sunoil Retail Group Inc	179544	Nc	E39055	5/11/2017	5/11/2017	461	Provide Latest Periodic Compliance Inspection And Reverification Test Results	<u>Closed/Resolved</u>
Sunoil Retail Group Inc	179544	Nov	P70589	11/29/2017	3/2/2017	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0572	<u>Closed/Resolved</u>
Sunstate Equipment Co, Llc.	180588	Nc	E29072	2/24/2016	2/19/2016	203(A)	Do Not Operate Portable Internal Combustion Engine (Ice) Greater Than 50 Brake Horsepower Without A Carb Perp Registration Or South Coast Aqmd Permit.	<u>Closed/Resolved</u>
Sunstate Equipment Co, Llc.	180588	Nc	E37157	9/15/2016	9/15/2016	Title13article5s	R 2453 (N) - The Registration Identification Device (Placard And Sticker) Shall Be Affixed On The Engine Or Equipment Unit At All Times So That It May Be Easily Viewed From A Distance	<u>Closed/Resolved</u>
Sunwest Printing Inc	133213	Nc	E44515	8/30/2018	8/30/2018	42303	Produce Updated Sds For All Ink Coatings And Cleaning Solvents Used On The Premises; Produce All Records As Required In Permit F54201 Conditions 8_11 For The Last 2 Years From Today's Date.	<u>Closed/Resolved</u>
Superior Tank Lines	186567	Nc	E41626	1/3/2018	1/3/2018	203(A)	Do Not Operate Portable Ice Rated Over 50 Bhp Without First Obtaining A Valid Carb Registration Or Aqmd Permit.	<u>Open/Pending</u>
Target Corporation	173527	Nc	E37947	5/25/2017	5/25/2017	203 (A)	Correct Permit Equipment Description Of Kwm For P/O G23201 For The Cummins Ice.	<u>Closed/Resolved</u>
Telacu Housing - San Bernardino Inc	134396	Nc	E31658	2/3/2016	2/3/2016	203	203 - Make Ice M/N Match Actual, Update Ice Log.	<u>Closed/Resolved</u>
Telacu Housing San Bernardino II Inc	145391	Nc	E31657	2/3/2016	2/3/2016	203	Submit Application To Correct M/N, Update Ice Log	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<b>Enforcement Action</b> <b>Case Status</b>
Tesoro (Usa) 63029	171725	Nc	E39004	9/29/2017	9/29/2017	461	Provide 2017 Periodic Compliance Inspection	<u>Closed/Resolved</u>
Tesoro (Usa) 63323	171727	Nc	E35580	8/12/2016	8/12/2016	461	Provide Most Recent Reverification Test Results.	<u>Closed/Resolved</u>
The Gage Canal Company	94996	Nc	E34440	5/3/2016	5/3/2016	42303	The Company Shall Provide The Last Pa Test Report That Was Performed In 2013 For Well Site 29-3	<u>Closed/Resolved</u>
The Gage Canal Company	94997	Nc	E34441	5/3/2016	5/3/2016	42303	The Company Shall Provide The Following Records: Last Pa Test For 2013; Operating Log Records From 5/1/15 To 8/30/15; All 2016 Pa Testing Records; All Monthly Ice Op Log Records For 2016; Last Two S. Test Reports (Any Tests Done Between 12/15/10 & 09/23/14	<u>Closed/Resolved</u>
The Gage Canal Company	94997	Nov	P62036	3/29/2016	7/16/2014	1110.2	Failure To Timely Submit Quarterly Engine Reports For 2nd And 4th Quarter 2014, And 2nd Quarter 2015.	<u>Closed/Resolved</u>
The Gage Canal Company	94999	Nov	P62037	3/29/2016	7/16/2014	1110.2	Failure To Timely Submit Quarterly Engine Reports For 2nd And 4th Quarter 2014, And 2nd Quarter 2015.	<u>Closed/Resolved</u>
The Gage Canal Company	94996	Nov	P62038	3/29/2016	7/16/2014	1110.2	Failure To Timely Submit Quarterly Engine Reports For 2nd And 4th Quarter 2014, And 2nd Quarter 2015.	<u>Closed/Resolved</u>
The Gage Canal Company	95000	Nov	P64162	4/1/2016	7/16/2014	1110.2	Failure To Submit Quarterly Reports Within 15 Days Of The End Of The Calendar Quarter	<u>Closed/Resolved</u>
The Home Depot #610	104327	Nc	E39231	5/24/2017	5/24/2017	1470	Provide Operating Log For Emergency Generator To Prove Compliance With Permitted Limits Of Operation, And Post A Copy Of The Permit To Operate On Site.	<u>Closed/Resolved</u>
The Home Depot #610	104327	Nc	E39231	5/24/2017	5/24/2017	206	Provide Operating Log For Emergency Generator To Prove Compliance With Permitted Limits Of Operation, And Post A Copy Of The Permit To Operate On Site.	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nc	E41137	10/20/2017	10/20/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
The Original Mowbray's Tree Service	160233	Nc	E41824	12/5/2017	12/5/2017	42303	Provide Location Of Operation Records.	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nc	E41629	1/18/2018	1/18/2018	203 (A)	Obtain A Valid Carb Registration Or South Coast Aqmd Permit	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nc	E41638	2/16/2018	2/16/2018	203 (A)	Obtain A Valid Carb Registration Or South Coast Aqmd Permit	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nc	E41640	2/22/2018	2/22/2018	42303	Provide Change Of Ownership Documentation For Several Units	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nc	E41641	2/22/2018	2/22/2018	203 (A)	Do Not Operate The Following Portable Internal Combustion Engines Greater Than 50hp Without First Obtaining A Valid Carb Registration Or Aqmd Permit.	<u>Closed/Resolved</u>
The Original Mowbray's Tree Service	160233	Nov	P65571	12/29/2017	6/19/2017	203 (A)	Operating Vermeer Chipper Without A Valid Perp Registration Or District Permit	<u>Closed/Resolved</u>
Thrifty Petroleum, Inc.	167023	Nc	E42575	3/20/2018	3/20/2018	461	Provide Latest Test Results And Latest Periodic Compliance Inspection	<u>Closed/Resolved</u>
Turner's Truck Stuff	141433	Nc	E31838	2/26/2016	2/26/2016	203	Apply For Admin Change For Psb Description	<u>Closed/Resolved</u>
Uni-Flex Silicone Products & Machine Sho	154635	Nc	E37945	5/19/2017	5/19/2017	203 (A)	Produce An Updated Msds For The Silicone Rubber That Is 2015 On Later; Submit An Application For Your Blue M Cf-7602hc, Oven With Serial # A-1479 To Be Granted An Aqmd Permit To Operate.	<u>Open/Pending</u>
Universal Intermodal Services	183536	Nc	E36526	11/15/2016	11/15/2016	403	Do Not Cause Or Allow Fugitive Dust Emissions To Cross The Property Line. Implement Bacm To Minimize Emissions.	<u>Closed/Resolved</u>

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<del>Enforcement Action</del> Case Status
Universal Intermodal Services	183536	Nov	P59542	12/15/2016	12/15/2016	403(D)(1)	Causing And Allowing The Emissions Of Fugitive Dust From A Disturbed Surface Area Such That The Dust Remains Visible In The Atmosphere Beyond The Property Line Of The Emission Source. Failure To Utilize Applicable Best Available Control Measures Included	<u>Closed/Resolved</u>
Universal Intermodal Services	183536	Nov	P59542	12/15/2016	12/15/2016	403(D)(2)	Causing And Allowing The Emissions Of Fugitive Dust From A Disturbed Surface Area Such That The Dust Remains Visible In The Atmosphere Beyond The Property Line Of The Emission Source. Failure To Utilize Applicable Best Available Control Measures Included	<u>Closed/Resolved</u>
Usa Collision Center	164237	Nc	E36527	11/18/2016	11/18/2016	109	Maintain Daily Paint Usage Records.	<u>Closed/Resolved</u>
Utility Tree Service, Inc.	183590	Nc	E41144	11/2/2017	11/2/2017	Perp 2460	Submit An Appointment Request Form Within 45 Days After The Date Of Initial Issuance Or Renewal Of A Carb Registration To Arrange For An Inspection.	<u>Closed/Resolved</u>
Va Transport Inc.	188670	Nov	P64174	10/25/2018	10/16/2018	Title13article5s	Allowing The Idling Of A Diesel Fueled Commercial Vehicle Over Five (5) Minutes	<u>Closed/Resolved</u>
Verizon California Inc	52216	Nc	E31661	2/9/2016	2/9/2016	42303	Updated Ice Logs For 2013, 2014, 2015	<u>Closed/Resolved</u>
Verizon California Inc	52216	Nc	E35213	4/20/2016	4/20/2016	1415	Submit A Registration Application For The Air Conditioning Units	<u>Closed/Resolved</u>
Vista Cove Care Center At Rialto, Inc.	161051	Nc	E37013	9/13/2016	9/13/2016	42303	Provide Operating Log Since January 2014	<u>Closed/Resolved</u>
Vulcan Materials Company	181597	Nc	E31670	6/2/2016	6/2/2016	42303	Supply Me With Spec Sheets Of 4 Applications To Sort Out Permits To Actual Equipment	<u>Closed/Resolved</u>
Wadco Industries Inc	114741	Nc	E37940	3/10/2017	3/10/2017	203	Repair Or Replace North Spray Booth Manometer And Make It Zero Out When Spray Booth Is Off.	<u>Closed/Resolved</u>
Waterman Discount Mall	181636	Nc	E31660	2/3/2016	2/3/2016	42303	42303 For 1415 To Submit Freon Specs For 2 System	<u>Closed/Resolved</u>

Appendix 4-95

Facility Name	Facility Id	Notice Type	Notice Number#	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action/Case Status</u>
Waterman Valero	107330	Nov	P71918	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8267	<u>Closed/Resolved</u>
West Coast Petroleum Inc	155193	Nc	E39058	5/18/2017	5/18/2017	461	Replace Main Hoses #3 And #4	<u>Closed/Resolved</u>
West Coast Petroleum Inc	155193	Nov	P72325	12/11/2018	3/2/2018	461(C)(3)(Q)	Failing To Submit The Facility's Monthly Gasoline Throughput Data For The Previous Calendar Year On Or Before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 2292	<u>Closed/Resolved</u>
Wildwood Plaza Chevron/Kamal Zafar	159790	Nc	E33397	2/16/2016	2/16/2016	461	Produce Jan 2012 To Present Repair Log Repairs From Invoices.	<u>Closed/Resolved</u>
Williams Furnace Co	1303	Nc	E35208	4/12/2016	4/7/2016	109	1. Msdss: Provide For Cal Clean 854 Alkaline Cleaner, P610a Conversion Coating, Cal Prep Rk1469 Sealing Rinse, Black And Silver Hi-Heat Voc Compliant, And Cardinal Finishes Powder Coating;  2. Alkaline Wash Stage (Tank No. 1) P/O F44440:	<u>Closed/Resolved</u>
Williams Furnace Co	1303	Nc	E35208	4/12/2016	4/7/2016	1147	1. Msdss: Provide For Cal Clean 854 Alkaline Cleaner, P610a Conversion Coating, Cal Prep Rk1469 Sealing Rinse, Black And Silver Hi-Heat Voc Compliant, And Cardinal Finishes Powder Coating;  2. Alkaline Wash Stage (Tank No. 1) P/O F44440:	<u>Closed/Resolved</u>
Williams Furnace Co	1303	Nc	E35208	4/12/2016	4/7/2016	203	1. Msdss: Provide For Cal Clean 854 Alkaline Cleaner, P610a Conversion Coating, Cal Prep Rk1469 Sealing Rinse, Black And Silver Hi-Heat Voc Compliant, And Cardinal Finishes Powder Coating;  2. Alkaline Wash Stage (Tank No. 1) P/O F44440:	<u>Closed/Resolved</u>

Appendix 4-96

Facility Name	Facility Id	Notice Type	Notice Number <sup>iv</sup>	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description	<u>Enforcement Action/Case Status</u>
Williams Furnace Co	1303	Nc	E35208	4/12/2016	4/7/2016	42303	1. Msdss: Provide For Cal Clean 854 Alkaline Cleaner, P610a Conversion Coating, Cal Prep Rk1469 Sealing Rinse, Black And Silver Hi-Heat Voc Compliant, And Cardinal Finishes Powder Coating;  2. Alkaline Wash Stage (Tank No. 1) P/O F44440:	<u>Closed/Resolved</u>
Williams Furnace Co	1303	Nc	E37020	11/5/2016	11/5/2016	42303	Provide Operating Records (Monthly Gas Bills, Readings From Non-Resettable Totalizing Fuel Or Hour Meters) For Units Fired On Natural Gas Since January 2014	<u>Closed/Resolved</u>
Williams Furnace Co	1303	Nov	P64366	12/30/2016	7/1/2014	1147	Failing To Conduct Compliance Source Tests Required By Rule 1147	<u>Closed/Resolved</u>
Zoomtech Inc, Orange Show Shell, Dba	183954	Nc	E39062	6/1/2017	6/1/2017	461	Replace Main Hoses #1 And Whip Hose # 2. Make Administrative Change To P/O N30523. Site Has Vr101 Not Vr102 Phase I	<u>Closed/Resolved</u>
	0	Nc	E38403	7/27/2017	7/27/2017	1415.1	Register R1415.1 Equipment	<u>Closed/Resolved</u>
vi	0	Nc	E40367	9/13/2017	9/13/2017	1415.1	Kindly Register, File Annual Reporting, And Pay All Applicable Fees For Each Refrigeration System Carrying Over 50 Lbs. Of Refrigerant For The Following Years: 2013, 2014, 2015, 2016 With Carb Rmp	<u>Closed/Resolved</u>
vii	0	Nc	E39490	2/1/2018	1/28/2018	403	Utilize Best Available Control Measures To Minimize Fugitive Dust Emissions.	<u>Closed/Resolved</u>

<sup>vi,vii</sup> These facilities were not yet assigned Facility IDs at the time the Notice to Comply was issued.

## CARB Compliance History in SBM, January 2016 to December 2018 (Compiled from CARB Visualization Tool, June 2019)

Year/Type	Drayage	HDVIP	Idling	Off-Road	STB	Smart Way	TRU	Total
<b>2016 Field Inspections</b>	552	3	16	0	9	0	1	581
<b>2016 Non-compliant</b>	32	2	1	0	8	0	0	43
<b>2016 % Compliance</b>	94%	33%	94%	N/A	11%	N/A	100%	93%
<b>2017 Field Inspections</b>	178	0	1	37	60	0	0	276
<b>2017 Non-compliant</b>	4	0	0	7	0	0	0	11
<b>2018 % Compliance</b>	98%	N/A	100%	81%	100%	N/A	N/A	96%
<b>2018 Field Inspections</b>	769	246	0	0	43	4	4	1066
<b>2018 Non-compliant</b>	21	11	0	0	0	0	0	32
<b>2018 % Compliance</b>	97%	96%	N/A	N/A	100%	100%	100%	97%
<b>Total 2016 – 2018 Inspections</b>	1499	249	17	37	112	4	5	1923
<b>Total 2016 - 2018 Non-compliant</b>	57	13	1	7	8	0	0	86
<b>Total 2016 - 2018 % Compliance</b>	96%	95%	94%	81%	93%	100%	100%	96%

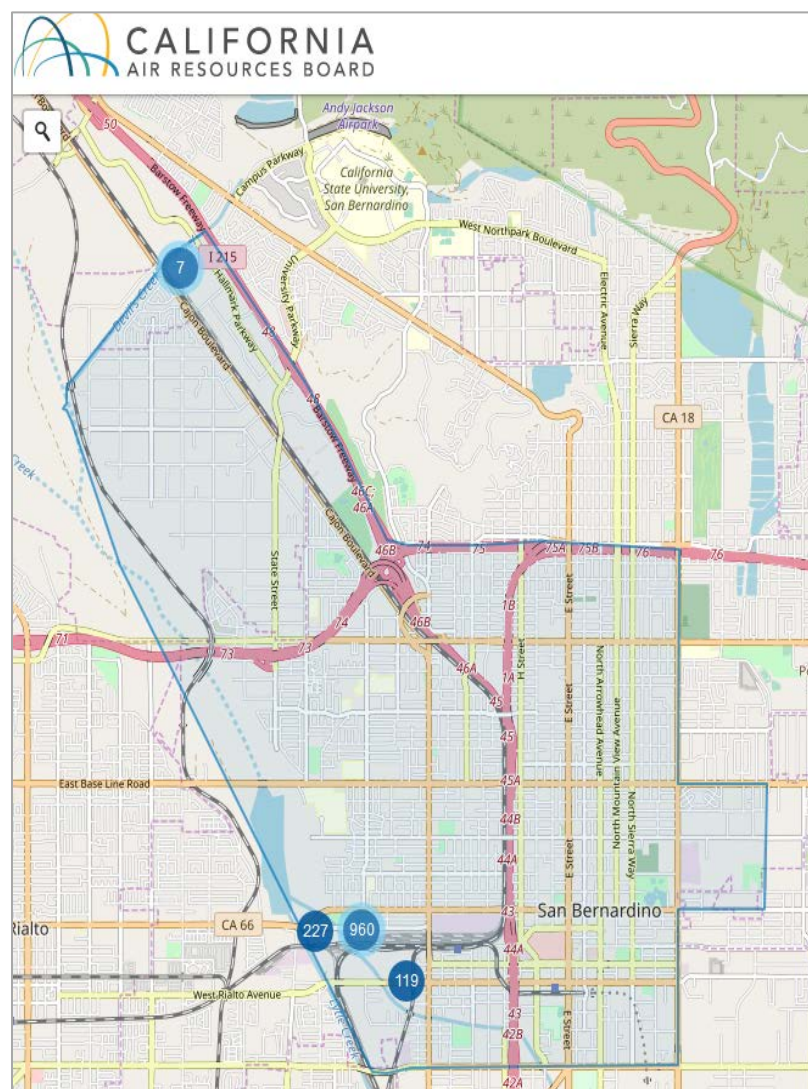
HDVIP = emissions control labels (ECL), smoking and tampering.



*List of HDDV Inspections Conducted*

Inspection Year	Location	Program Type Inspections (Non-compliant vehicles)									Notes
		Drayage	HDVIP - ECL	HDVIP - smoke opacity	HDVIP - tampering	Idling	Off-Road	STB	Smart Way	TRU	
2016	San Bernardino & Fontana Area, San Bernardino, CA 92408		2 (1)			15 (1)		9 (8)			
2016	BSNF Rail Yard, S. 4th St, San Bernardino, CA	552 (32)	1 (1)			1 (0)				1 (0)	Drayage: 10 non-compliant, 22 not registered
2017	SIERRA WAY @ MILL ST, SAN BERNARDINO, CA 92408					1 (0)	2 (0)				
2017	BNSF RR SO. FOURTH ST., SAN BERNARDINO, CA 92410	61 (2)						60 (0)			Drayage: 1 non-compliant, 1 not registered
2017	Bob Stine Dr. -- Outlets at Tejon Parkway, Arvin, CA 93203	117 (2)					2 (2)				Drayage: 1 non-compliant, 1 not registered; Offroad-noEIN
2017	2705 LEXINGTON WAY, SAN BERNARDINO, CA 92407						6 (2)				Off-road: 1 false data, 1 non-compliant
2017	2765 W. Lexington Dr., San Bernardino, CA 92407						1 (1)				Off-road: 1 not registered
2017	4982 HALLMARK PARKWAY, SAN BERNARDINO, CA 92407						13 (2)				Off-road: 1 no EIN, 1 not registered

<b>2017</b>	5454 NORTH INDUSTRIAL PARKWAY, SAN BERNARDINO, CA 92407						13 (0)				
<b>2018</b>	1941 SO. 4TH ST., San Bernardino, CA 92410	35 (0)	55 (5)	55 (0)	56 (3)			18 (0)	4 (0)	4 (0)	ECL - 5 violations non-emissions; tampering - 3 emissions violations
<b>2018</b>	BNSF RAILROAD YARD 4TH ST, San Bernardino, CA 92410	734 (21)	28 (3)	26 (0)	26 (0)			25 (0)			Drayage; 2 - emissions violations; 19 - non emissions violations; ECL - 3 non-emissions violations

*Enforcement Activities Map***Duty Diesel Vehicle Enforcement Activities 2016 – 2018**

CARB Visualization Tool - <https://webmaps.arb.ca.gov/edvs/>; June 2019  
Appendix 4-101

## CARB Supplemental Environmental Project Process

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP). Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the SBM community through the proposal process.

Proposals of projects that meet the following four requirements: reducing direct/indirect air emissions or exposure to air pollution, relates to the violation, does not benefit the violator, and goes above and beyond regulatory requirements can be submitted for consideration for future settlements through the SEP proposal form (<https://calepa.ca.gov/sep-proposal-form>). Six SEPs have been funded ~~within~~ South Coast AQMD's jurisdiction including paid environmental education internships, planting trees, writing articles to inform community about air pollution and resources, conducting research (e.g., air monitoring, truck traffic survey), and school air quality education programs and filtration systems.

### Further Information on Technology Used for Compliance Investigations

#### Toxic Vapor Analyzer

*Toxic Vapor Analyzers (TVA):* Using a Flame Ionization Detector (FID) or Photoionization Detector (PID), this instrument is capable of detecting a wide variety of organic and inorganic compounds. The unit must be calibrated to identify specific compounds. Any day that the instrument is used for conducting compliance inspections, a trained inspector calibrates the equipment to a set calibration standard depending on the inspection type. For example, in an oil and gas process leak inspection to identify VOCs, a 3-Point Methane Calibration Curve is used.

This instrument displays concentrations of the gas it is calibrated to in parts per million (ppm), also known as the number of molecules of that gas per one million molecules of air. Inspectors can use TVAs to identify organic and inorganic vapors according to a standard set by the US Environmental Protection Agency (EPA) Method 21 – Determination of Volatile Organic Compound Leaks.<sup>vii</sup> This document from EPA sets the standard for the specifications and performance criteria of the instrument, as well as the process of identifying a leak.

#### Infrared Cameras

*Infrared Cameras:* Using infrared cameras equipped with Optical Gas Imaging (OGI) technology, inspectors can detect hydrocarbon leaks at a variety of facilities, including those in the oil and gas industry. The device uses a non-contact technology which identifies the infrared energy (heat) of a specific gas and converts it into an electronic signal. This signal is processed into an image, giving inspectors the ability to view emissions that would otherwise be invisible to the naked eye.

~~Using~~ Infrared OGI cameras enables inspectors to scan areas for emissions and quickly gain an overall representation for any large leaks there may be at a facility. The technology generally used by OCE is specifically calibrated to methane, enabling users to visibly identify VOC leaks. Inspectors can follow up with a TVA to quantify the leak. Inspectors who use this equipment have training through a multi-day course to understand the technology, uses, and limitations.

<sup>vii</sup> <https://www.epa.gov/emc/method-21-volatile-organic-compound-leaks>

### XRF

*X-Ray Fluorescence (XRF):* A handheld instrument which uses a non-destructive method to determine the chemistry of a sample. The device sends an x-ray to the sample that displaces the electrons, causing a release of energy. The energy released is measured by the special detector to analyze the chemistry of the sample. Inspectors can scan surfaces for the presence of toxic metals to identify sources of contamination and fugitive emissions.

### H<sub>2</sub>S Analyzer

*H<sub>2</sub>S Analyzers (Jerome Meters):* A handheld instrument that can detect hydrogen sulfide in the air. This device takes in a small sample of air and provides a reading on the amount of H<sub>2</sub>S within a few seconds, down to levels in the parts per billion (ppb) range. This instrument serves as a safety tool for inspectors conducting an inspection in an area with potential H<sub>2</sub>S and can be used to identify a potential source of rotten egg type odors.

### CARB Statewide Truck and Bus Regulation

CARB is achieving compliance with the Statewide Truck and Bus Regulation (STB), section 2025 of Title 13, California Code of Regulations ~~CR (STB)~~ by 2023 via a streamlined auditing process. STB requires diesel trucks with a Gross Vehicle Weight Rating (GVWR) greater than 14,000 pounds that operate in California to install diesel particulate filters or replace older engines with cleaner engine technology on a phased-in schedule based on the model year of the engine and GVWR. CARB staff process data from vehicle registration, compliance reporting, and inspection databases to identify potentially non-compliant fleets and prioritize them for enforcement action.

In April 2017, the Governor signed Senate Bill 1 (SB1) into law which included a provision that, beginning in 2020, a vehicle must demonstrate compliance with the STB regulation before it can be registered with the Department of Motor Vehicles (DMV). Beginning in 2020, the DMV, in conjunction with data provided by CARB, will deny vehicle registration to non-compliant heavy-duty diesel vehicles (HDDV) based on the model year of the HDDV, so that by the end of 2023, 100% compliance will be achieved for the truck and bus rule.

### Summary

Both South Coast AQMD and CARB are committed to working closely with the CSC to identify and investigate ~~air~~ area quality issues in the community. For the mobile sources regulated by CARB, this will include actively enhancing enforcement activities through a combination of improved complaint reporting, more focused inspections, and report-back meetings to update the CSC on the status of inspections and to obtain additional areas of mobile source concern. CARB plans to have, at a minimum, annual meetings with the CSC in order to prioritize strategies and identify possible locations where non-compliant vehicles are present. CARB will report-back to the community with the number of inspections performed and the number of citations and/or Notices of Violations (NOVs) issued. Further information about CARB's and South Coast AQMD's commitments can be found in Chapter 5.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX RTC:

## RESPONSE TO COMMENTS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK



## Appendix Response to Comments

### Table of Contents

Appendix Response to Comments .....	1
Community Steering Committee (CSC) Meeting Comments on the Community Emissions Reduction Plan (CERP) for the San Bernardino, Muscoy Community.....	3
Public Meeting Comments CSC Meeting #7 – June 20, 2019 .....	3
Public Meeting Commenter 1: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund.....	3
Public Meeting Commenter 2: Ryan Sinclair, Loma Linda University .....	3
Public Meeting Commenter 3: Andrea Vidaurre, Center for Community Action and Environmental Justice (CCA EJ) .....	4
Public Meeting Commenter 4: Chantal Power, City of San Bernardino .....	4
Public Meeting Comments CSC Meeting #8 – July 18, 2019 .....	5
Public Meeting Commenter 5: Mary Valdemar, San Bernardino Valley College.....	5
Public Meeting Commenter 6 and 7: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund and Ericka Flores, CCA EJ .....	5
Public Meeting Comments CSC Meeting #9 – August 15, 2019.....	7
Public Meeting Commenter 8: James Albert, San Bernardino Resident .....	7
Public Meeting Commenter 9: Mary Valdemar, San Bernardino Valley College.....	7
Public Meeting Commenter 10: Members of the public and Valerie Dobesh, San Bernardino resident .....	7
Public Meeting Commenter 11: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund.....	8
Public Meeting Commenter 12: Andreas Beyersdorf, California State University, San Bernardino.....	8
Public Meeting Commenter 13: Jason Martinez, Chicano Indigenous Community for Culturally Conscious Advocacy & Action (ChiCCCAA).....	8
Public Meeting Commenter 14: Christopher Chavez, Coalition for Clean Air (CCA).....	9
Written Comments Received .....	12
Written Comment Letter #1: Bernadette Beltran, San Bernardino County Department of Public Health.....	12
Written Comment Letter #2: Anna Jaiswal, Omnitrans.....	14
Written Comment Letter #3: Luis Portillo, Inland Empire Economic Partnership (IEEP) .....	16
Written Comment Letter #4: LaDonna DiCamillo.....	20
Written Comment Letter #5: Ericka Flores, Andrea Vidaurre, Center for Community Action and Environmental Justice.....	24

### Appendix RTC-1

Written Comment Letter #6: Tammy Yamasaki, Southern California Edison.....	33
Written Comment Letter #7: Christopher Chavez, Coalition for Clean Air.....	36
General Comment Letters submitted for all three AB 617 Year 1 communities.....	46
Written Comment Letter #8: Priscilla Hamilton, Southern California Gas .....	46
Written Comment Letter #9: Janet Whittick, California Council for Environmental and Economic Balance (CCEEB) .....	54

## Community Steering Committee (CSC) Meeting Comments on the Community Emissions Reduction Plan (CERP) for the San Bernardino, Muscoy Community

### Public Meeting Comments CSC Meeting #7 – June 20, 2019

Public Meeting Commenter 1: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund

- 1: Matt Abularach-Macias inquired on how much of the plan includes emission reductions. He expressed that he noticed that most of the CERP actions refer to exposure reduction. He also requested specifics on what a “living document” means to be written in the CERP.

#### Response to Meeting Comment 1

The CERP contains a suite of strategies to reduce emissions and exposure in the San Bernardino, Muscoy community. Emission reductions will be achieved through outreach and incentives, air monitoring and enforcement, and rules and regulations. Emission reduction targets have been identified and incorporated, where quantifiable, into Chapter 5a. These emission reduction targets are based upon mobile source incentives and certain statewide mobile source regulation measures. Some emission reductions cannot be quantified at this time, such as fugitive emissions. Air monitoring and enforcement actions will need to occur to identify the location and source of the emissions.

Because the work to implement the CERP and Community Air Monitoring Plan (CAMP) is dynamic, certain action items have been written with built-in flexibility to allow adjustments as new information (e.g., air monitoring data, new technology, etc.) becomes available. South Coast AQMD staff is committed to working with Community Steering Committee (CSC) members to evaluate ongoing actions and progress. South Coast AQMD will also provide quarterly updates to the CSC on actions in the CERP. Any major amendments would need to be brought to the South Coast AQMD Governing Board for approval. This information can be found in Chapter 1.

### Public Meeting Commenter 2: Ryan Sinclair, Loma Linda University

- 2: Ryan Sinclair inquired how community members can report idling vehicles.

#### Response to Meeting Comment 2

Complaints can be filed online through the South Coast AQMD’s on-line complaint system to report observations of excessive odors, smoke, dust, or other air contaminants (except smoking vehicles): <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>. Complaints can also be made by calling 1-800-CUT SMOG (1-800-288-7664). Smoking vehicles can be reported through CARB’s complaint line using 1-800-END-SMOG. In addition, Chapter 5, Action 1 states that South Coast AQMD will “provide community outreach on existing complaints/response systems on reporting idling trucks”, to inform community members on how to report idling trucks. Staff added that “CSC members will work with the South Coast AQMD, and other local entities to disseminate information on how to report idling trucks in the community (e.g., outreach events, flyers).” The objective is to increase participation from the

Appendix RTC-3

community on the existing complaint systems to report truck idling and address truck idling emissions.

Public Meeting Commenter 3: Andrea Vidaurre, Center for Community Action and Environmental Justice (CCA EJ)

3: Andrea Vidaurre requested that BNSF provide updates to the community on the status of the railyard's emission reduction efforts.

Response to Meeting Comment 3

BNSF will be participating in the development of the Facility-Based Mobile Source Measures ("FBMSM") workshops to address railyards and intermodal facilities. South Coast AQMD staff has recently received an updated emissions inventory for the San Bernardino railyard that BNSF has voluntarily prepared. Staff will work with BNSF to review the data and will provide updates to the community in the coming months. BNSF's commitment is included in Chapter 5e, Action 1, under "Implementing Agency, Organization, Business or Other Entity".

Public Meeting Commenter 4: Chantal Power, City of San Bernardino

4: Chantal Power asked staff to reach out to the State Mining and Geology Board to see if there could be a potential collaboration. The State Mining and Geology Board helps reclaim land to useable, reusable resources and regulates mines while in operation.

Response to Meeting Comment 4

Staff has reached out to the State Mining and Geology Board. The State Mining and Geology Board staff stated that they are focused on different objectives than the efforts in AB 617. The State Mining and Geology Board focuses on mining resources and the conservation of lands and not on small concrete batch facility operations.

## Public Meeting Comments CSC Meeting #8 – July 18, 2019

Public Meeting Commenter 4: Mary Valdemar, San Bernardino Valley College

- 5: Mary Valdemar requested that public meetings for rule development held by South Coast AQMD and CARB should follow the same model as the CSC meetings to accommodate working people.

### Response to Meeting Comment 5 and 6

The CERP includes a commitment to hold at least one public meeting for the warehouse Indirect Source Rule (ISR) and one public meeting for the railyard ISR development in or near this community at a time that is convenient for working people. Public meetings conducted for rule development will be evaluated on a case-by-case basis to accommodate all stakeholders, including those that live/work in other communities. Staff will also continue to schedule AB 617 meetings to accommodate the majority of the CSC schedules to provide quarterly or biannual updates on all activities, including rulemaking.

Public Meeting Commenters 6 and 7: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund and Ericka Flores, CCAEI

- 6 and 7: Ericka Flores and Matt Abularach-Macias inquired how South Coast AQMD will invest and advocate to accelerate a timeline for zero-emission technology.

### Response to Comments 6 and 7

South Coast AQMD supports the development and deployment of zero-emission (ZE) vehicles and equipment, where technology feasible and commercially available, as a key strategy in achieving the region's air quality targets and protecting public health. South Coast AQMD has funded a variety of ZE technologies over the years, including battery and fuel cell electric trucks and cargo handling equipment, leveraging grants from both federal and state agencies as well as cost shares from regional stakeholders as well as collaborating with Southern California Edison to implement electric public utility infrastructure projects.

Although significant progress has been made in the development of zero-emission technologies, most of these technologies are not yet ready for commercial market in terms of economic viability and technology maturity. For example, there are currently no feasible models of zero-emission heavy-duty trucks commercially available, although it is expected that may change in the near term. South Coast AQMD will continue its on-going efforts to support the development of these zero-emission technologies to accelerate their commercialization and deployment as early as possible. In addition, South Coast AQMD is continuously looking to identify new incentive funding programs to replace higher polluting trucks with cleaner technology that exceeds current requirements. Staff plans to use the approved CERP to implement approaches that accelerate emission reductions from all priority categories, including heavy-duty trucks.

Chapter 5d, Action 2, has been included in the CERP to support Omnitrans' transition to zero-emission buses. In addition, Chapter 5e, Action 1 includes an action to work with BNSF railyard to replace diesel-fueled equipment with cleaner technologies and to provide updates to the CSC on emission reduction progress within the San Bernardino BNSF railyard. Chapter 5c, Action 3

also states that South Coast AQMD staff will collaborate with local governments and utilities to promote the installation of fueling infrastructure needed to support zero-emission trucks/vehicles, transport refrigeration units and cargo handling equipment.

### Public Meeting Comments CSC Meeting #9 – August 15, 2019

Public Meeting Commenter 8: James Albert, San Bernardino Resident

8: James Albert requested South Coast AQMD staff provide a summary or update of the warehouses ISR development.

#### Response to Comment 8

Additional information about the ongoing warehouse ISR efforts can be found here: <http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures>. In addition, staff will provide updates to the CSC as specified in Action 2 of Chapter 5c as the ISR is being developed. Finally, as part of the ISR development process, South Coast AQMD will hold working group meetings that are open to the public. Staff encourages CSC members to participate in the rule development process.

Public Meeting Commenter 9: Mary Valdemar, San Bernardino Valley College

9: Mary Valdemar suggested that language in the CERP should be simplified so everyone can understand. In addition, she requested that childcare centers, charter schools, and preschools should be added to Chapter 5g and Chicano Indigenous Community for Culturally Conscious Advocacy & Action (ChiCCCAA) be added as a collaborating organization in outreach related actions. In addition, she suggested to use multi-colored legends for future presentations so CSC members with visual impairments can read them easier.

#### Response to Comment 9

Staff has tried to make the more technical sections of the CERP user friendly by including explanations of tables, clarifying language, and improving some graphs. In addition, staff will develop presentations that are more suitable for those who are visually impaired.

In addition, "childcare centers, charter schools and preschools" have been added to Chapter 5g, Action 1. In Chapter 5g, Action 1, ChiCCCAA has also been added as a collaborating community-based organization to co-host outreach meetings and as a collaborating organization to share information or provide outreach to schools for asthma-related programs.

Public Meeting Commenter 10: Members of the public and Valerie Dobesh, San Bernardino resident

10: Several members of the public and Valerie requested to have provisions in the CERP requiring green space to reduce air pollution within the community and expressed that green spaces have been compromised by warehouse development.

#### Response to Comment 10

Action 4 in Chapter 5g includes identifying new or existing sources or programs that can provide funding for tree planting and sharing this information with CSC members, when it is available. In addition, in Chapter 5c, Action 1, South Coast AQMD will work with the City of San Bernardino and San Bernardino County staff to discuss and enhance land use policies to reduce residents' exposure to emissions from old diesel trucks visiting warehouse facilities.

Public Meeting Commenter 11: Matt Abularach-Macias, California League of Conservation Voters & CLCV Ed Fund

11: Matt Abularach asked what percentage of the emission reductions represent the emissions specified in the CERP for this community.

Response to Comment 11

The estimated emission reductions expected from this CERP are:

- NOx (nitrogen oxides): 127.9 tons per year (tpy)
- DPM (diesel particulate matter): 0.91 tpy

These reductions have been calculated based of the community's baseline and have been added to Chapter 5a. These emission reductions will be achieved through mobile source incentives and statewide mobile source regulation measures. Additional emission reductions are expected to be achieved through actions that may not be quantifiable at this time. Future quantification may occur during the rule development process or as a result of air monitoring and enhanced enforcement.

Public Meeting Commenter 12: Andreas Beyersdorf, California State University, San Bernardino

12: Andreas asked whether 1,3 butadiene is being considered in the CERP and whether there are any regulations to reduce this compound.

Response to Comment 12

Figure 2 in Chapter 3b shows that DPM is the biggest contributor to the overall cancer risk in the community, followed by 1,3-butadiene, hexavalent chromium, and benzene. Actions in the CERP focus on reducing DPM, since it is the largest weighted toxic air contaminant (TAC) contributor in this community. Most of the priorities in the community are mobile sources, which is another reason the actions are focused on addressing DPM. Reductions in combustion of diesel fuel will have ancillary benefits or reducing other toxic air contaminants.

Public Meeting Commenter 13: Jason Martinez, Chicano Indigenous Community for Culturally Conscious Advocacy & Action (ChiCCCAA)

13: Jason asked whether there is a penalty or enforcement action that will be taken if polluters do not comply with rules and regulations.

Response to Comment 13

Air pollution violations may result in either criminal or civil liability. South Coast AQMD and CARB do not criminally prosecute air pollution violations. Criminal cases are referred to state, county or city attorneys. In deciding whether to refer a case for criminal prosecution, South Coast AQMD and CARB will consider such factors as the type and severity of the violation, the state of mind of the violator, and the harm or risk of harm to the public created by the violation.

South Coast AQMD and CARB are alternatively authorized to seek civil penalties for air pollution violations. In determining the amount of a civil penalty, state statutes require South Coast



AQMD, CARB, and any court to evaluate each violation individually and with reference to all relevant facts and circumstances. The factors which must be considered in assessing civil penalties include:

- (a) The extent of harm caused by the violation.
- (b) The nature and persistence of the violation.
- (c) The length of time over which the violation occurs.
- (d) The frequency of past violations.
- (e) The record of maintenance.
- (f) The unproven or innovative nature of the control equipment.
- (g) Any action taken by the defendant to mitigate the violation.
- (h) The financial burden to the defendant.

Ongoing non-compliance by a facility may also lead to a petition for an Order for Abatement before the South Coast AQMD Hearing Board. The Hearing Board has the authority to require a facility to take certain actions to achieve compliance.

South Coast AQMD and CARB's enforcement teams seek to ensure that regulated entities comply with air quality rules and regulations. Both agencies pursue penalties and other enforcement actions for the purpose of deterring future violations, ensuring the existence of a level playing field for all regulated entities, and preventing unfair advantages for violators. Additional information about the enforcement plan can be found in Chapter 4.

#### Public Meeting Commenter 14: Christopher Chavez, Coalition for Clean Air (CCA)

14: Christopher Chavez asked for the CERP to include emissions reduction targets and include a strong ISR. He also asked that the CERP have strong regulations and increased enforcement, and not rely on incentives. He also requested to assign responsibility to polluters. He noted that although the San Bernardino Airport is not within the community boundary, it should be addressed.

#### Response to Comment 14

Emission reduction targets have been identified and incorporated, where quantifiable, into Chapter 5a. These emission reduction targets are based upon mobile source incentives and certain statewide mobile source regulation measures. Some emission reductions cannot be quantified at this time, such as fugitive emissions. Air monitoring and enforcement actions will need to occur to identify the location and source of the emissions.

One of the strategies South Coast AQMD is evaluating to reduce emissions from railyards and warehouses is through the Facility Based Mobile Source Measures or ISR. The development of

ISRs was initially intended to address regional air pollution, specifically NOx emission reductions, and to attain the National Ambient Air Quality Standards as required by the Clean Air Act. However, the CSC and commenter has made it clear that an ISR must also focus on reducing localized impacts. South Coast AQMD will continue to develop the ISRs in parallel to the AB 617 efforts and provide updates to the CSC on the rule making process. Details of ISR requirements need to be developed through the rulemaking process so that all stakeholders can participate in the public process. Proposed rule concepts and input provided by the CSC during the development of the CERP will be provided to staff developing ISR. Staff encourages CSC members to actively participate in the South Coast AQMD rule development process for ISR. All proposed rule concepts must fall within South Coast AQMD's legal authority.

The CERP contains a suite of strategies to reduce emissions and exposure in the San Bernardino, Muscoy community. Emission reductions will be achieved through outreach and incentives, air monitoring and enforcement, and rules and regulations. Incentives are only appropriated to owners or operators that would reduce emissions above and beyond current rules and regulations and will help achieve much needed emission reductions sooner for this community while ISR is currently being developed.

Although some actions may not "assign responsibility to polluters" or industry stakeholders under Implementing Agency, Organization, Business or Other Entity, any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those entities subject to the rules and regulations. Staff acknowledges that BNSF plays a key role in reducing emissions within the San Bernardino, Muscoy community. BNSF will be participating in the development of the Facility-Based Mobile Source Measures ("FBMSM") workshops to address railyards and intermodal facilities. South Coast AQMD staff has recently received an updated emissions inventory for the San Bernardino railyard that BNSF has voluntarily prepared. Staff will work with BNSF to review the data and will provide updates to the community in the coming months. BNSF's commitment is included in Chapter 5e, Action 1, under "Implementing Agency, Organization, Business or Other Entity".

South Coast AQMD is aware of the expansion of the San Bernardino International Airport. On August 15, 2018 staff provided recommendations during the preparation of the Draft Environmental Impact Report for the Proposed Eastgate Building 1 Project California Environmental Quality Act (CEQA) commenting period and these include staff's recommendation for truck trip rates for high cube warehouses<sup>1</sup> and other mitigation measures, which the San Bernardino International Airport Authority reviewed. Comments can be seen here: <http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/nopeastgatebuilding1-081518.pdf>. In addition, staff has included several actions in

---

<sup>1</sup> A high cube warehouse is a building that typically has at least 200,000 gross square feet of floor area, has a ceiling height of 24 feet or more and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Reference: High-Cube Warehouse Vehicle Trip Generation Analysis

<https://www.ite.org/pub/?id=a3e6679a%2De3a8%2Dbf38%2D7f29%2D2961becdd498>

the CERP that address emissions from trucks and warehouses that have emissions within the community boundary, which will address the primary air quality concerns associated with the expansion of the San Bernardino International Airport.

Written Comments Received

Written Comment Letter #1: Bernadette Beltran, San Bernardino County Department of Public Health

Comment Letter #1



Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

Form Information

Date Created  
06/24/2019

Time Created  
3:18 PM

Commentor Contact Information

Commenter's Name\*  
BERNADETTE BELTRAN

Affiliation\*  
Agency, School, University or Hospital

Email Address\*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a

**Comments (Unlimited Size) \***

Section 5G- Schools, childcare centers, community centers, and homes 5-5: Under Action 1: Course of Action (s): bullet #2- Partner with the San Bernardino County, Dept. of Public Health

**Goals:**

- I would suggest at least 6 public outreach events
- provide 11 childcare centers ( all should get the information)
- implement CARE at least 2 (which is half of all the schools or community centers that have already been identified)

Under implementing agency, organization, business or other entity:

bullet # 2: Partner with DPH on "asthma-based programs -We do not have asthma program through the Dept. of Public Health it is through the County hospital Arrowhead Regional Medical Center (ARMC) who has the Breathmobile

1-1

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: ab617@aqmd.gov

Para más información contáctese con: ab617@aqmd.gov

**Response to Written Comment Letter 1-1**

The Draft CERP has been updated to include the San Bernardino County Department of Public Health as a collaborating agency in Chapter 5g, Action 1. In Action 1, the Goals have been updated to include the following: participate in six public outreach events, provide information relating to air quality effects on young children and reducing exposure to facilities where children are located (e.g., schools, childcare centers, and community centers) with prioritization based on Community Steering Committee (CSC) input, and implement Clean Air Ranger Education (CARE) and Why Air Quality Matters (WHAM) programs in at least two schools with the possibility of continuing for up to three years. Staff would like to share information on air quality effects on young children and how to reduce exposure to locations where children spend their time including childcare centers. Prioritization of locations will be based on CSC input.

Staff reached out to the Arrowhead Regional Medical Center (ARMC) on the BreathMobile program. AMRC and the South Coast AQMD will collaborate to share information and/or provide outreach to schools for asthma or asthma-related programs in the San Bernardino, Muscoy community. This has also been incorporated in Chapter 5g, Action 1.

Written Comment Letter #2: Anna Jaiswal, Omnitrans

## Comment Letter #2



### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created  
06/25/2019

Time Created  
9:56 AM

#### Commentor Contact Information

Commenter's Name \*  
ANNA JAISWAL

Affiliation \*  
Agency, School, University or Hospital

Email Address \*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

In Chapter 2 there's a summary of the presentation I provided on behalf of Omnitrans at the May meeting. It says I described our current bus fleet as including near-zero and zero emission buses. But actually our current fleet includes near-zero but not zero-emission buses. We are planning to transition to zero-emission buses and recently applied for grant funds for four of them.

In Chapter 5 it says Omnitrans provides 16 million passenger trips per year. I know this was on our website, but it was out of date; it is actually 11 million passenger trips per year.

In Chapter 5 it also says Omnitrans operates more than 200 vehicles out of our East Valley maintenance facility on 5th Street in San Bernardino. This is the total number of buses we have, including our San Bernardino and our Montclair facilities. The number at the San Bernardino facility is actually 121.

Related to this, where it says Omnitrans "employs almost 700 people," I would change it to "employs almost 700 people at its two operating and maintenance facilities, including one facility in San Bernardino and one in Montclair."

2-1

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Response to Written Comment Letter 2-1

Staff will change the sentence in Chapter 2 of the Draft Final CERP to indicate that Omnitrans provided information about their near-zero emissions fleet and their continuing work towards the addition of zero-emission buses to their fleet. This change will be reflected in the Final CERP.

Chapter 5d has been updated to reflect the number of passenger trips per year to 11 million, the number of buses at the San Bernardino Facility to 121 and the number of employees to 700 people at both operating and maintenance facilities.

Written Comment Letter #3: Luis Portillo, Inland Empire Economic Partnership (IEEP)

### Comment Letter #3



#### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created  
07/01/2019

Time Created  
9:48 PM

#### Commentor Contact Information

Commenter's Name\*  
LUIS PORTILLO

Affiliation\*  
Business Representative

Email Address\*  
[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.



**Comments (Unlimited Size) \***

On behalf of the Inland Empire Economic Partnership (IEEP), I write to submit comments on the Discussion Draft of the Community Emissions Reductions Plan (CERP) presented at the June 20, 2019 meeting of the San Bernardino/Muscoy Community Steering Committee (CSC). While we commend the staff of the South Coast Air Quality Management District (SCAQMD) for their efforts to develop a CERP that improves the air quality of the residents of the San Bernardino/Muscoy area, IEEP believes the following changes should be made to ensure the plan meets its intended goals.

3-1

The CERP should have an increased focus on providing incentives to replace older trucks. While we recognize that SCAQMD's ability to address mobile sources of pollution is limited, the CERP has demonstrated that it does have some tools at its disposal. For example, the CERP includes funding for the replacement of diesel trucks intended for the San Bernardino/Muscoy community. However, the funds provided are nowhere near what is necessary to meet the existing demand. While the CERP is limited to using the existing resources, it should take this opportunity to call on the state to fund these types of programs at an appropriate level. For example, it could call for incentive programs to be prioritized based on a cost/benefit analysis that looks at the amount of GHG and NOx emission reductions that are achieved compared to the cost. This will allow California to focus its efforts on the programs that have the greatest effect in reducing emissions.

Ensure accountability and effectiveness. The CERP calls for increased outreach and enforcement as ways to mitigate air pollution. While these approaches may be effective, an analysis of each program should be conducted upon its completion to determine if the program achieved its intended effect. For example, in Chapter 5B, Action 1 calls for the SCAQMD to work with the CSC to inform community members on how to report idling trucks, while Chapter 5G Action 1 requires the establishment of partnerships with community based organizations to provide outreach to schools regarding asthma related programs. In both of these instances, the goals outlined in the CERP simply call for the activities to be conducted without examining whether or not they achieved their underlying goal. For example, in the case of Chapter 5B, shouldn't the actions result in a decrease in the number of trucks that are idling longer than the existing State idling standards? If the outreach actions do not, then either the approach to inform the community was flawed or the issue may not have been as significant as it appeared. The CERP should require measureable, results-oriented goals. Programs that do not achieve their underlying goal should be revised or their resources directed to other more effective methods.

3-2

This also applies to enforcement. At various times, CSC members have raised concerns about trucks idling in their neighborhoods. The California Air Resources Board (CARB) staff mentioned some of the challenges faced when trying to enforce a measure (e.g. truck drivers seeing an enforcement officer approach and turning off their engine before an enforcement action can be taken). If community members are reporting these trucks, but existing enforcement processes are not proving effective, then additional approaches need to be considered. This would only be accomplished by having an analysis done at the end of each program to determine its effectiveness.

Monitoring of trucks and truck routes is critical and should be prioritized. A concern among the efforts by the CSC is the lack of hard data to use in determining where to direct resources. The SCAQMD staff has relied heavily on feedback provided by participants to identify sources of pollution. While helpful to determine where to begin, this type of identification is seriously flawed. We need verifiable data that can be tied to a particular region. This allows us to have uniform data that we can all work from and use to measure progress in the upcoming years. That is why IEEP supports the recommendation found in Chapter 5B Action 3 to use technology such as ALPR to collect information about neighborhoods most impacted by older trucks. By knowing where the oldest trucks operate in sensitive communities, we can direct existing resources so effectively.

3-3

IEEP supports efforts to improve the air quality in our communities. We believe the recommendations above will help achieve that goal. Thank you.

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

<p><b>Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)</b></p> <p>CERP Comment Files</p> <p>Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.  Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto  For More Information Contact: <a href="mailto:ab617@aqmd.gov">ab617@aqmd.gov</a>  Para más información contáctese con: <a href="mailto:ab617@aqmd.gov">ab617@aqmd.gov</a></p>
--

### Response to Written Comment Letter 3-1

South Coast AQMD is continuously looking to identify new incentive funding programs to replace higher polluting trucks with cleaner technology that exceeds current requirements. The funding provided by the Legislature for incentive projects to support the AB 617 program is an example of how the program has increased incentive funding to benefit disadvantaged communities. Staff continues to work with the California state legislature to set aside sustained funding for AB 617 statewide.

Staff recognize that for many of our incentive programs (e.g. Carl Moyer, Prop 1B) the requested funding levels typically is significantly higher than the available funds. As part of the process, applications are reviewed to ensure they meet incentive program funding guidelines and the most cost-effective projects are prioritized, including truck replacements. Existing grant funds, such as Carl Moyer, have state approved implementation guidelines that require surplus emission reductions, funding fleets that are in compliance with existing regulations, and not encouraging fleets and truck operators to receive public funds to pay for compliance. Implementation of Prop 1B funds does not have the same level of requirements, but still includes provisions to ensure that the emission reduction benefits are real and quantifiable, requiring additional reporting. South Coast AQMD staff expeditiously reviews applications and distributes incentive funds as quickly as possible. Additionally, South Coast AQMD continues to apply for and implement other grant funds, such as federal grants that provide flexibility to implement other approaches, including trade down approaches to provide lower emitting trucks to Independent Owner Operators (IOOs). Lastly, South Coast AQMD staff plans to use the approved Community Emissions Reduction Plan (CERP) to implement approaches that accelerate emission reductions from all priority categories, including heavy-duty trucks.

### Response to Written Comment Letter 3-2

We agree that resources should be used toward actions that are effective in reducing emissions, and staff will discuss with the CSC any suggested adjustments to the strategy based on such evaluations of the CERP actions. Staff will evaluate the effectiveness and necessity of the enforcement actions based on data collected during the idling sweeps. This would include quantitative information such as the number of trucks that were cited for idling violations, in

addition to qualitative observations such as changes in idling behavior once enforcement officers approach. This information will be included in the updates to the CSC. Other enforcement agencies, such as CARB, the City or County may also provide enforcement updates to the CSC. The CERP actions also include built-in flexibility to allow for adjustments as new information becomes available or if specific approaches and actions are found to be more effective.

Using CSC input to locate areas where the community has expressed concern with smoking and idling vehicles, CARB will conduct roadside inspections within areas where they can enforce (e.g., vehicles cannot be pulled over on freeways, but inspections can be conducted on surface streets). In addition to gathering the CSC's input, CARB and South Coast AQMD staff are in the field regularly conducting other enforcement efforts, they plan to document idling and smoking vehicles to further support this enhanced roadside inspection program.

There has been a recent reduction in allowable smoke opacity changing from 40 percent to five percent for heavy-duty trucks with diesel particulate filters. Smoke opacity is used to describe and measure the level of visible black smoke emissions. It is a method used to measure a PM-related emission parameter in the field. With this change in measurement, CARB enforcement staff will be able to ensure that vehicles are properly maintained. In addition to providing citations to non-compliant trucks, CARB enforcement staff will also distribute pamphlets to truck drivers on how to properly maintain emissions control equipment. CARB is also conducting research to determine the effectiveness of heavy-duty diesel vehicle onboard diagnostic systems to better support proper maintenance of heavy-duty diesel trucks in South Coast AQMD's AB 617 communities and will provide updates on the research's results when available.

#### Response to Written Comment Letter 3-3

South Coast AQMD will be exploring the possibility of using Automated License Plate Reader (ALPR) systems in the San Bernardino, Muscoy community to prioritize locations and targeted outreach to truck owners for incentive programs to replace higher polluting trucks with cleaner technology.

The AB 617 CERP development process emphasizes the importance of community input. The input provided by the community on locations where truck idling is observed provides valuable information about where these emissions may be impacting people in the community. If illegal idling emissions can be decreased in these areas near sensitive receptors, then these actions would have even greater impact compared to decreasing similar emissions in areas that are far away from sensitive receptors.

Written Comment Letter #4: LaDonna DiCamillo

## Comment Letter #4



### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created  
07/03/2019

Time Created  
9:03 AM

#### Commentor Contact Information

Commenter's Name \*  
LADONNA DICAMILLO

Affiliation \*  
Business Representative

Email Address \*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

BNSF appreciates serving on the Steering Committee, and we offer the following comments.

1. We suggest the following edit in the Federal Actions section on page 5-3 to clarify U.S. EPA's role in regulating locomotive emissions: "Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. Environmental Protection Agency."
2. On page 5-3, the draft states: "[The EPA] regulations do not require railroads to reduce their usage of older, higher-emitting locomotives." Please add "Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time."
3. Page 5-3 states: "[EPA's] regulations limit idling for both new and remanufactured locomotives..." EPA regulations do not limit idling, but instead require the installation of devices that reduce idling on newly manufactured and remanufactured locomotives.
4. On page 5-3, the draft states: "In 2017, CARB also petitioned EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines." Please add "The CARB petition is under review by the EPA."
5. Page 5-4 states that the District "...is evaluating potential strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions." The railroads have participated in workshops related to Facility Based Mobile Source Measures and will continue to engage with District staff and the community. Any ISR proposals must be within the District's legal authority.
6. Page 5-4 states: "South Coast AQMD staff conducted air monitoring near SBM during the Multiple Air Toxics Exposure Study (MATES) in 2013, which identified high levels of diesel PM near the BNSF railyard." Air quality monitors cannot identify levels of diesel PM. We suggest you change this sentence to "...identified elevated BC and UFP levels near the BNSF railyard."
7. Page 5-4 states: "South Coast AQMD also funded the Environmental Railyard Research Impacting Community Health (ENRRICH) study, which consisted of a community health assessment and public health outreach project led by the late Dr. Sam Soret of Loma Linda University." On November 10, 2014, BNSF sent comments on the ENRRICH study to the SCAQMD, which it encourages you to revisit. We must point out that the Loma Linda studies ignore the potential impacts of other emission sources in the often heavily industrial areas near railyards, and we disagree with the authors' conclusions. Moreover, as BNSF mentioned in its presentation at the June 20 CSC meeting, the railyard emissions data used to support these reports was from 2005 and does not represent current emission levels, and if updated emission levels were to be used, the studies' risk levels would be much lower.
8. Page 5-5 states: "Conduct fenceline and/or mobile monitoring around railyards to identify activities that may cause increased levels of air pollution. Mobile measurements (and fixed monitoring, when appropriate) will extend into the community to assess how railyard related emissions may contribute to the overall air pollution burden in this community." BNSF requests that the District consult with the railroads before conducting new fenceline and/or mobile monitoring so that we may share our insights and expertise with the District as it develops its monitoring protocols.
9. The railroads are updating emissions inventories for several southern California railyards which show significant reductions. We are reviewing these with District staff.
10. UP and BNSF have a multi-decade track record of improving air quality within the District and appreciate the District's successful efforts to partner with us to provide incentives to develop and test new, cleaner locomotives and technology used in railyards.
11. Again, thank you for the opportunity to be a member of the Steering Committee. Please call or email with questions.

4-1

4-2

4-3

LaDonna DiCamillo  
Regional Assistant Vice President - Government Affairs  
BNSF Railway

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files



Response to Written Comment Letter 4-1

Chapter 5e of the Draft CERP has been updated to include the following as suggested in the Comment Letter:

1. U.S. EPA's role in regulating locomotive emissions has been clarified to "Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. Environmental Protection Agency."
2. The sentence "Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time" has been added.
3. The sentence "these regulations limit idling for both new and remanufactured locomotives and mandate the use of ultra-low sulfur diesel fuel" has been changed to "these regulations require the installation of devices that reduce idling on newly manufactured".
4. The Draft CERP included the sentence "The CARB petition is under review by the EPA". However, to elaborate and provide clarification, in the Draft Final CERP staff has replaced this sentence with: "In 2017, the California Air Resources Board (CARB) petitioned the U.S. EPA to update emission standards for new and remanufactured locomotives, establishing a cleaner Tier 5 standard for new engines. The petition asked that the new emission standards go into effect in 2023 for remanufactured locomotives, and 2025 for new locomotives. South Coast AQMD supported the petition by sending a letter of support. The U.S. EPA acknowledged the receipt of the petition, but has not provided any update or plans for further action." In addition, a footnote was also added to provide additional information: "Even if the U.S. EPA were to update the emission standards in response to the petition, the new standards would only apply to new and remanufactured locomotive engines. Given the slow turnover of the railroads' fleet, emissions reductions would not be immediate."
5. South Coast AQMD staff acknowledges that the railroads have participated in Facility Based Mobile Source Measure (FBMSM) workshops and look forward to continued discussion with all stakeholders during the rule development process. South Coast AQMD will ensure all Indirect Source Rules (ISR) are within the District's legal authority.
6. The statement "South Coast AQMD staff conducted air monitoring near SBM during the Multiple Air Toxics Exposure Study (MATES) in 2013, which identified high levels of diesel PM near the BNSF railyard" has been changed to "South Coast AQMD staff conducted air monitoring near SBM during the Multiple Air Toxics Exposure Study (MATES) in 2013, which identified high levels of black carbon (BC) and ultrafine particulate matter (PM) near the BNSF railyard."

Response to Written Comment Letter 4-2

South Coast AQMD staff has reviewed the comments received on the ENRRICH study on November 10, 2014. South Coast AQMD provided funding for the ENRRICH study as part of the Clean Communities Plan efforts in San Bernardino. The study provided new information about public health outcomes that were identified as community priorities (e.g. asthma, cancers). Drawing conclusions about causality is complex and typically requires a comprehensive review of the scientific literature; such efforts are not the aim of the CERP. Instead, the focus of the AB 617 CERP is on reducing local emissions. Based on the source attribution analysis in Chapter 3b, diesel PM, a toxic air contaminant, is the biggest contributor to the overall cancer risk in the community. Trains account for 25 percent of the toxic air contaminant emissions for this community based on 2017 baseline emissions. The 2017 baseline emissions include rule adoptions or amendments since 2016. The projected emissions for future milestone years of 2024 and 2029, show train emissions are expected to increase to 31 percent and 26 percent, respectively. Because of the projected increase and CSC input, actions are included in the CERP to address railyard emissions. South Coast AQMD staff has recently received an updated emissions inventory for the San Bernardino railyard that BNSF has voluntarily prepared. Staff will work with BNSF to review the data and will provide updates to the community in the coming months.

Response to Written Comment Letter 4-3

Staff will continue to engage all members of the CSC (including BNSF) on future air monitoring strategies through quarterly or biannual updates. Staff will continue to work with the railroads on emissions inventory data and to provide incentives for cleaner technology that goes above and beyond current requirements. Staff appreciates all CSC members' input and participation to develop the CERP.

Written Comment Letter #5: Ericka Flores, Andrea Vidaurre, Center for Community Action and Environmental Justice

Comment Letter #5

 SCAQMD Banner

Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference  
☒ English ☐ Español

Form Information

Date Created  
07/10/2019

Time Created  
9:55 AM

Commentor Contact Information

Commenter's Name \*  
CENTER FOR COMMUNITY ACTION AND  
ENVIRONMENTAL JUSTICE

Affiliation \*  
Community Organization

Email Address \*

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

Comments (Unlimited Size) \*  
See Attached



**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file) (1)**

CERP Comment Files

PLN - AB617 Comments - 7/10/2019 - Comment Type: DRAFT CERP - Author: CENTER FOR COMMUNITY ACTION AND ENVIRONMENTAL JUSTICE - Affiliation: Community Organization - SBM - N

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

## Comment Letter #5

Dear AB 617 Team,

On behalf of the Center for Community Action and Environmental Justice (CCA EJ), please accept these comments on the draft Community Emissions Reduction Plan (CERP) updated June 2019 for the AB 617 Year 1 Community of San Bernardino/Muscoy (SBM). For decades, the communities of SBM have been vocal about their environmental health and air quality concerns to the South Coast Air Quality Management District (SCAQMD), California Air Resource Board (CARB) and local City/County officials. We understand deeply through our lived experiences, the deteriorating effects that breathing, playing, working and living in over-polluted, unmonitored and poorly regulated communities have on our quality of life and we are determined to continue raising our concerns and work towards accountability and solutions from all stakeholders and governing bodies. For these reasons, we are actively involved on the Community Steering Committee (CSC) and raise the concerns outlined below on the draft CERP.

5-1

First, we would like to thank the SCAQMD AB 617 staff who has meaningfully engaged with us throughout the process. Their flexibility and shared vision has allowed for intentional collaboration and open dialogue as we work to identify stronger solutions. We hope that as the CERP goes through management for approval, that they too consult with the community as their staff has done.

Currently, the CERP overwhelmingly focuses on education, outreach and enforcement - strategies that are necessary and important parts of the plan. However, they must be matched with subsequent emission reduction goals and health outcome targets. A community health assessment must be required to measure the existing health standards baseline in order to have quantifiable goals and targets. In this manner, we can assess if the strategies in the CERP are a success or need strengthening.

5-2

A large part of AB 617 has to do with the incentive funding that has been allocated for the different communities. We support programs that are equitably dispersed and require data reporting that assists in us better understanding what fleets are most entering the SBM community. Much of the emission reductions will be seen through the transition to clean transportation technology. Therefore, we continue to support the accelerated adoption of only zero emission technology and a robust, clean electric supporting infrastructure. Wherever immediately possible, zero-emission technology must be prioritized (drayage, cargo handling equipment, last-mile delivery, TRU's, etc). We are excited to see that Omnitrans has laid out a tentative timeline for the electrification of their fleet. We would like to continue recommending that BNSF also allows for its neighboring communities to be aware of their tentative timeline for electrification and emissions inventory. BNSF should play an active role in implementing new CERP solutions which go beyond what they are currently meeting. This will allow the CERP to better assess its benchmarks and goals.

5-3

The CERP must go beyond what is already required in the region. Our cumulative pollution burdens continue to grow despite the existing regulations created by SCAQMD and CARB. Under the AB 617 Blueprint, we understand that the CERP can go above and beyond existing policies. Instead, the SBM CERP includes minimal suggestions for new policies and mostly relies on enforcing existing regulations - which we note are not doing a sufficient job to address our air quality and public health concerns. It is imperative that SCAQMD and CARB take the CSC's recommendation to approve and implement the Facility Based Measure and Indirect Source Rules for warehouses and railyards. Moreover, SCAQMD must consider strengthening that rule as it pertains to AB 617 communities such as SBM.

5-4

Given that SMB's primary concerns involve mobile sources, we recommend that CARB take a more active role in the creation, implementation and reassessment of the CERP. CARB should assume as much responsibility as SCAQMD has in assuring that the CERP is a community-focused, ambitious benchmark for our region. CARB should be using its expertise to strengthen the solutions that have been suggested and contribute to a comprehensive plan that goes beyond enforcing their current regulations. CARB should also use the experiences, testimonies and recommendations of the CSC to inform the urgency of future regulations, programs and incentives.

5-5

In order for the CERP to be successful, all stakeholders must continue to stay active and determined to see the CERP grow into fruition during both the implementation and reassessment phases. Specifically, the commitments made by the land use and public health agencies must be supported because of the undeniable relationship between land use decisions and air pollution. The CSC has mentioned the need for restricted truck route ordinances, CARB recommended 1,000 ft vegetative buffers, safe new/redevelopment proposals and strong County/City General Plan environmental justice policies that ensure the communities do not have an increase of environmental burdens, et al. SCAQMD must actively support the ideas, goals and actions that are not seen in their jurisdiction and assist in advocating for environmentally just land use decisions made by local elected officials and agencies. Emissions reductions will be achieved when we take a holistic approach to the problem.

5-6

Sincerely,

Ericka Flores  
Organizing Director  
SBM Community Steering Committee Primary

Andrea Vidaurre  
Policy Analyst  
SBM Community Steering Committee Alternate

---

### Response to Written Comment Letter 5-1

Thank you for your comment. Staff will continue to provide updates to and engage with the CSC, not only on the on the CERP approval process, but throughout the implementation of the CERP.

### Response to Written Comment Letter 5-2

Emission reduction targets, where quantifiable, have been included in Chapter 5a. Implementation of the CERP is estimated to reduce NOx emissions by 127.9 tons per year of and DPM emissions by 0.91 tons per year. These emission estimates are based on future statewide mobile source regulation measures from CARB and potential mobile source incentive projects to benefit this community as outlined by the actions in this chapter. Future statewide mobile source regulation measures that contribute to the estimated emission reductions in this community include the CARB Advanced Clean Truck Rule, Heavy-Duty Low NOx Rule, and Heavy-Duty Inspection and Maintenance. The table below provides a list of the overall emission reduction targets for the CERP and the type of actions that contribute to the targets. Baseline emissions refer to expected future emissions without any new action or regulation beyond those already adopted. The overall NOx and diesel PM emission reduction targets for this community are 75 tpy of NOx (10% reduction) and 0.9 tpy of diesel PM (10% reduction) by 2024, and 128 tpy of NOx (21% reduction) and 0.91 tpy of diesel PM (15% reduction) by 2029.

Some actions in this chapter are likely to result in additional emissions reductions that are not quantifiable at this time. For example, Chapter 5e – Railyards, includes an action that would reduce emissions from the BNSF railyard. The target for this action is to pursue strategies to reduce air pollution from railyards and intermodal facilities through the development of Facility Based Mobile Source Measures. However, reductions from this action would be quantified during the rule development process to provide staff an opportunity to evaluate technologies or strategies that would reduce emissions at railyards. As another example, the CERP includes an action to address fugitive emissions and PM from concrete batch, asphalt batch, and aggregate plants. This action requires enhanced air monitoring along with follow-up strategies (e.g., enforcement activities) to occur before emission reduction targets can be identified from these sources.

The commenter suggests use of health metrics and outcomes as a tool to measure success from emission reductions under the AB 617 program. The focus of the AB 617 CERP is to achieve emission reductions. Reducing air pollution will have public health benefits, and the most direct method to measure plan progress is to evaluate what emission reductions have been achieved. Many factors contribute to cumulative public health burdens and health outcomes, and short-term health benefits are difficult to assess, especially with the information that is available. In addition, conducting a study to establish a health baseline and track improvements over time is costly and may not show the long term health benefits achieved from the emission reductions in the CERP. Although it is not feasible to use health metrics and outcomes as measuring tools, staff

has addressed the community's desire to see improvements in health outcomes by including actions to partner with local health organizations for direct public health interventions, such as asthma management programs. In addition to actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program, the CERP includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to school, childcare centers, and at community events.

#### Response to Written Comment Letter 5-3

South Coast AQMD supports the development and deployment of zero emission vehicles and equipment, where technologically feasible and commercially available. The development and deployment of such vehicles and equipment is a key strategy for achieving the region's air quality targets and protecting public health. South Coast AQMD has funded a variety of zero-emission (ZE) technologies over the years, including battery and fuel cell electric trucks and cargo handling equipment, leveraging grants from both federal and state agencies as well as cost shares from regional stakeholders as well as collaborating with Southern California Edison to implement electric public utility infrastructure projects.

Although significant progress has been made in the development of zero-emission technologies, most of these technologies are not yet ready for commercial market in terms of economic viability and technology maturity. For example, there are currently no feasible models of zero-emission heavy-duty trucks commercially available, although it is expected that may change in the near term. South Coast AQMD will continue its on-going efforts to support the development of these zero-emission technologies to accelerate their commercialization and deployment as early as possible. In addition, South Coast AQMD is continuously looking to identify new incentive funding programs to replace as many higher polluting trucks with cleaner technology that exceeds current requirements. Staff plans to use the approved CERPs to implement approaches that accelerate emission reductions from all priority categories, including heavy-duty trucks.

Additionally, Chapter 5d, Action 2, has been included in the CERP to support Omnitrans' transition to zero-emission buses. In addition, Chapter 5e, Action 1 includes an action to work with BNSF railyard to replace diesel-fueled equipment with cleaner technologies and to provide updates to the CSC on emission reduction progress within the San Bernardino BNSF railyard.

#### Response to Written Comment Letter 5-4

Actions specified in the CERP have been written to address the air pollution sources prioritized by the CSC within the San Bernardino, Muscoy community. These actions are community specific and go beyond existing South Coast AQMD efforts as outlined in the Air Quality Management Plan (AQMP). For example, one key course of action included in Chapter 5b, Action 2 to reduce emission from heavy-duty trucks transiting the community by working with the City or County to identify opportunities to develop enforceable truck routes and establish designated truck areas, which is an action above and beyond what the AQMP outlines. In addition, targeted outreach

and identifying incentive funding opportunities to accelerate adoption of cleaner equipment and trucks has also been included in Chapter 5b to address truck emissions in the San Bernardino, Muscoy community. South Coast AQMD staff will continue to work on the development of Facility Based Mobile Source Measures for railyards and intermodal facilities and ISR for warehouses to address trucks that transit the community. Staff will hold one warehouse ISR working group in the Inland Empire within the next few months in addition to a joint railyard ISR working group with the CARB within the next year. The railyard ISR meeting has been incorporated into the CERP. While these efforts are ongoing, incentives for equipment that go above and beyond current rules and regulations will achieve much needed emission reductions sooner for this community. Actions will be prioritized, and updates will be provided to the CSC periodically on the implementation process of all actions included in the CERP. Timelines for each action are specified in the implementation schedule (Chapter 5h).

#### Response to Written Comment Letter 5-5

South Coast AQMD has limited jurisdiction on mobile sources. However, to address the air quality priorities established by the San Bernardino, Muscoy community, the South Coast AQMD will collaborate with CARB to address mobile sources. CARB has been written into the CERP under “Implementing Agency, Organization, Business or Other Entity” with specific responsibilities.

CARB agrees to take an active role in providing emissions reductions in the San Bernardino, Muscoy community. CARB staff will continue to work collaboratively with the San Bernardino, Muscoy community and South Coast AQMD on the implementation of the CERPs. CARB enforcement will provide quarterly sweeps and will continue to be involved during the CSC meetings by providing presentations and report back to the CSC as information becomes available. CARB will also be involved in outreach efforts to provide information about current state programs and incentives. In addition to enhanced enforcement, CARB staff is working with South Coast AQMD to reduce the cumulative burden in the community. CARB is undertaking several new regulations, listed in the CERP, to reduce emissions from heavy-duty trucks, which includes: the Advanced Clean Truck Regulation, the Heavy-Duty Vehicle Inspection and Maintenance Regulation and the Heavy-Duty Low NOx Rule. The following table provides a list of the statewide measures with expected decision dates, implementation periods, and estimated emission reductions.



Table 2: Estimated Emission Reductions from Statewide (CARB) Mobile Source Regulations by 2024 and 2029

Statewide Measure	Board Action Date <sup>a</sup>	Implementing Entity	Emission Reductions Targets 2024/2029 (tpy)		
			NOx	VOC	DPM
Heavy-Duty Vehicle Inspection and Maintenance <sup>b</sup>	2020	CARB	25/31	N/A	0.31/0.35
Advanced Clean Trucks Regulation <sup>c</sup>	2019	CARB	0.1/1.9	N/A	<0.1/0.1
Heavy-Duty Low NOx Rule <sup>d,2</sup>	2020	CARB	5/50	N/A	N/A

<sup>a</sup> Timeline based on first CARB Board hearing dates for each measure or beginning of implementation for mobile source incentives

<sup>b</sup> CARB's current inspection programs include the roadside Heavy-Duty Vehicle Inspection Program and the fleet Periodic Smoke Inspection Program. These regulations require heavy-duty vehicles operating in California to be inspected for excessive smoke and make repairs where applicable.

<sup>c</sup> CARB is working through a public process to develop and consider proposals for new approaches and strategies that may transition to zero emission technology those truck fleets that operate in urban centers, have stop and go driving cycles, and are centrally maintained and fueled.

<sup>d</sup> This rule would set new statewide engine standards for NOx reduction from trucks by 2026, and additional reductions including and after 2027. More information available at: <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>

Additional measures being developed that will benefit the community include: the Cargo Handling Equipment Amendment, evaluation and Potential Development of Regulation to Reduce Emissions from Locomotives, and Transport Refrigeration Units used for Cold Storage.

In addition, CARB staff also understands that idling is a concern and is taking steps to evaluate the existing idling policy and evaluate how to better enforce the existing idling regulations. CARB will continue to identify opportunities to engage with CSC and reduce emissions in the community.

#### Response to Written Comment Letter 5-6

South Coast AQMD will continue to foster partnerships with other local agencies and entities to address the CSC's priorities that are not within South Coast AQMD's jurisdiction. The CERP contains actions to identify partners (e.g., local entities, organizations) to establish greenbelts through tree planting, enforce truck idling free zones, reduce diesel-powered trucks from transiting near schools, and to develop land-use plans that reduce air pollution emissions near or exposure to residential receptors. Staff will also partner with health agencies and other local organizations to share information or provide outreach to schools for asthma-related programs

<sup>2</sup> California Air Resources Board, Heavy-Duty Low NOx, <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>, Accessed June 13, 2019.

as specified in Action 1 in Chapter 5g. Staff will continue to engage the CSC along with providing updates during the implementation of the CERP.



Written Comment Letter #6: Tammy Yamasaki, Southern California Edison

Comment Letter #6



Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference  
☒ English ☐ Español

Form Information

Date Created  
07/16/2019

Time Created  
10:42 PM

Commentor Contact Information

Commenter's Name\*  
TAMMY YAMASAKI

Affiliation\*  
Business Representative

Email Address\*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

SCE appreciates the opportunity to be a business representative on the San Bernardino Community Steering Committee and work towards our shared goal of reducing emissions from transportation.

We are glad the CERP discusses SCE's funding towards infrastructure to support charging for medium- and heavy-duty electric vehicles through the Charge Ready Transport Program. We thought it would be helpful to also add that the Program requires a minimum of 25% of the infrastructure budget to serve vehicles operating at ports and warehouses. A good place to include this would be in the last paragraph of Warehouses Chapter, page 5-3. "A minimum of 40% of SCE's budget for this program must be spent in disadvantaged communities, and also a minimum of 25% of the budget must serve vehicles operating at ports and warehouses."

Also within the Warehouses Chapter, we recommend modifying one of the goals of Action 3 on page 5-6 to, "South Coast AQMD and SCE will provide outreach to all 43 existing warehouses within the San Bernardino/Muscoy community to encourage installation of infrastructure needed to support zero emissions vehicles and equipment; provide outreach to any new/planned future sites (and project partners) and determine feasibility to install zero emissions electric infrastructure, serving potential zero emissions vehicles and/or equipment in the San Bernardino/Muscoy community. South Coast AQMD and SCE will track adoption of zero emission infrastructure and provide updates to the Community Steering Committee."

We think providing outreach to all existing warehouses and any future planned warehouses in the area is a measurable goal, however, the ultimate adoption of zero emission infrastructure is beyond the control of the South Coast AQMD and SCE.

Thank you! Please feel free to contact me anytime.

Tammy Yamasaki  
Senior Advisor, Air & Climate Policy  
Regulatory Affairs | Southern California Edison  
M: 626-506-5125 | T: 626-302-7974

6-1

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: ab617@aqmd.gov

Para más información contáctese con: ab617@aqmd.gov

Response to Written Comment Letter 6-1

Staff appreciates SCE's participation in the San Bernardino, Muscoy CSC and looks forward to collaborating to promote the installation of fueling infrastructure to support zero-emission technology. Staff has added the sentence "A minimum of 40% of SCE's budget for this program must be spent in disadvantaged communities, and also a minimum of 25% of the budget must serve vehicles operating at ports and warehouses" in Chapter 5c, Action 3.

In addition, the goals of Action 3 in Chapter 5c have been modified as "South Coast AQMD and SCE will provide outreach to all 43 existing warehouses within the San Bernardino, Muscoy community to encourage installation of infrastructure needed to support zero-emission vehicles and equipment, provide outreach to any new/planned future sites (and project partners) and

determine feasibility to install zero-emission electric infrastructure, serving potential zero-emission vehicles and/or equipment in the San Bernardino, Muscoy community. South Coast AQMD and SCE will track adoption of zero-emission infrastructure and provide updates to the CSC.”

Written Comment Letter #7: Christopher Chavez, Coalition for Clean Air

Comment Letter #7

 SCAQMD Banner

Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community  
San Bernardino, Muscoy

AB617 Year 1 Community Code  
SBM

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

Form Information

Date Created  
08/06/2019

Time Created  
4:41 PM

Commentor Contact Information

Commenter's Name \*  
CHRISTOPHER CHAVEZ

Affiliation \*  
Community Organization

Email Address \*

[REDACTED]

Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

Comments (Unlimited Size) \*  
Please see attached.

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file) (1)**

CERP Comment Files

PLN - AB617 Comments - 8/6/2019 - Comment Type: DRAFT CERP - Author: CHRISTOPHER CHAVEZ - Affiliation: Community Organization - SBM - N

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Comment Letter #7  
**COALITION FOR**  
**CLEAN AIR**

August 6, 2019

Dr. William Burke and Board Members  
 South Coast Air Quality Management District (SCAQMD)  
 21865 Copley Drive  
 Diamond Bar, CA 91765

**Re: Comments on AB 617 Community Emission Reduction Plans (CERP) for the San Bernardino/Muscoy (SBM) Community**

Dear Chair Burke and the SCAQMD Board Members,

The Coalition for Clean Air (CCA) is writing to provide comments regarding the draft CERP for the SBM community. Since its passage in 2017, CCA has been actively involved with the implementation of AB 617 (C. Garcia) at both the statewide and air district level. CCA staff has participated in most of the AB 617 meetings hosted by the California Air Resources Board (CARB) and SCAQMD. It's important to note that we offer these comments not to speak for the local community or the Community Steering Committee (CSC), but rather to protect public health, improve air quality and prevent climate change. We hope SCAQMD uses this opportunity to begin righting decades of environmental injustice by committing to developing the strongest possible emissions reduction plan and empowering the local community.

- The SBM CERP still lacks a direct health nexus and any projections or targets for reductions of toxic air contaminants.

7-1

The various members of the CSC have been very clear in their request to see specific emission reduction targets that include a nexus with community health outcomes. Yet, the draft CERP continues to lack specific emissions reduction targets, let alone targets based on health outcomes. Rather, the draft CERP anticipates a 40-50 tons per year (tpy) reduction of oxides of nitrogen (NOx – a criteria pollutant rather than a toxic air contaminant) and a .5-.6 tpy reduction in particulate matter (PM). Even then, these anticipated reductions are estimates rather than targets, and provide little insight into reductions of toxic air contaminants.

Again, we point to the text of AB 617 and its mandate for emission reduction targets. Section 44391.2(c)(3) of the Health and Safety Code (HSC) states, “[T]he community emissions reduction programs shall be consistent with the state strategy and include emissions reduction targets, specific reduction measures, a schedule for the

660 S. Figueroa Street, Suite 1140  
 Los Angeles, California 90017  
 (213) 223-6860

1107 Ninth Street, Suite 440  
 Sacramento, California 95814  
 (916) 527-8048

[www.ccair.org](http://www.ccair.org)



implementation of measures, and an enforcement plan.” For the CERP to not include specific emission reduction targets is inconsistent with the spirit and the letter of the law. As such, we urge SCAQMD to include specific toxic air contaminant emission reductions and a nexus to community health in the finalized CERP.

7-1  
Cont.

- **To the greatest extent possible, all proposed emission reductions should meet State Implementation Plan (SIP) creditable criteria (quantifiable, surplus, enforceable and permanent). However, emission reductions that don’t meet these criteria (e.g., working with local agencies to rectify bad land use decisions) should not be excluded.**

The emission reductions achieved by the CERP should be real, measurable, and verifiable. The closer they are to meeting the criteria for being SIP creditable, the more confidence the community will have in the effectiveness of the Community Air Protection program. “Paper” compliance threatens to undermine the effectiveness of the SBM CERP and reduce the benefit to the local communities. At the same time, we recognize that not every important reduction measure lends themselves to meeting these criteria. Other opportunities which are not as easily measured but still have a positive community-level impact should not be ignored.

7-2

- **The SBM CERP relies heavily on incentive funding and does not adequately assign responsibilities to polluters.**

As with the other draft CERPs, the SBM CERP relies heavily on incentive funding to the possible detriment of more stringent rules and enforcement. While incentives should be included as part of the final CERP, other strategies need prioritization. For example, creating strong Indirect Source Rules (see page 3), mandating on-site mitigation and requiring, rather than just incentivizing, zero-emissions warehouse and railyard equipment are clear examples where tighter rules will yield emissions reductions. Additionally, rules must be enforced in order to be effective. As such, SCAQMD should include tougher penalties as authorized by Section 9 of AB 617 and greater enforcement efforts as part of its overall strategy.

7-3

Further, the lack of a specific implementing agency or firm deadlines undercuts the effectiveness of incentive programs. Regarding Action 2 of Neighborhood Truck Traffic, “Reduce Emissions from Heavy-Duty Trucks,” SCAQMD has again failed to establish measurable goals for reducing emissions from trucks. The first goal states the following, “Organize [insert number] of incentive outreach events per year and provide bianual updates to the CSC.” SCAQMD should at least provide an anticipated number of outreach events it intends to conduct about incentive funding for trucks, instead of

leaving this information blank for CSC members to fill in. At minimum (and considering the health impacts of trucks emissions and the necessity of meeting Clean Air Act goals for the South Coast Basin), SCAQMD should be providing at least monthly outreach events to trucking companies and truck drivers on incentive funding. Anything less would be irresponsible.

7-3  
Cont.

In addition to requiring greater enforcement, the CERP should assign more requirements and responsibilities to the polluters themselves. In the draft CERP, only Omnitrans is assigned any sort of responsibility. This leaves warehouses, railyards, concrete batch, asphalt batch and rock and aggregate plants without any specified responsibilities to the community under the CERP. As such, the SBC CERP should, as appropriate, assign responsibilities to the other community priorities identified in the CERP.

- **The SBM fails to mention Best Available Retrofit Control Technology (BARCT) requirements despite the heavy industrial presence in the region, particularly in relations to quarrying as well as concrete batch, asphalt batch and rock and aggregate plants.**

7-4

Unlike the other draft CERPs, the SBM CERP contains no reference to BARCT requirements for industrial sources within the SBM community. This omission is a fatal flaw in the draft CERP, given the large number of industrial sources, such as quarries, asphalt and aggregate plants in the region. CARB's interim BARCT Clearinghouse identifies various technologies to address NOx emissions from these sources. As such, BARCT should be part of the SBM CERP not just for these industries, but other industrial sources as well. Lastly, BARCT requirements should be implemented according to the 2022 timeframe identified by SCAQMD and no later than the 2023 deadline created by Health and Safety Code §40920.6(c)(1).

- **The CERP needs to commit to a strong Indirect Source Rule (ISR) for warehouses and railyards.**

San Bernardino is experiencing massive growth in warehouses and other sources that attract pollution from trucks. Similarly, the railyards have brought in pollution from trains and cargo handling equipment for decades. As such, the SBM CERP should commit SCAQMD to developing a strong ISR to address these pollution magnets. While we applaud SCAQMD for including the development of an ISR within the CERP, the CERP should go into greater detail as to what the rules would look like. This includes requiring on-site mitigation, near-zero and zero-emissions cargo handling equipment, plug-in technology and other emissions reduction and exposure-reduction strategies.

7-5



- **The CERP should anticipate emissions impacts from the San Bernardino International Airport**

San Bernardino International Airport (SBD) is an increasingly important cargo-focused international airport located just over a mile from “Community Impacted Area” and directly adjacent to the “Emissions Study Area.” Yet, the draft CERP only has a fleeting mention of its existence. Though not fully operational yet, it’s likely the airport will see increased usage after the completion of its customs facility and forthcoming passenger service. Additionally, several warehouses have been built directly adjacent to the airport, attracting truck traffic and cargo handling. While we acknowledge SBD was not included as a community priority at this time, it’s possible that it will need to be prioritized in the future.

7-6

- **More information on current efforts to reduce emissions from railyards is needed, and railroads still need responsibilities assigned to them.**

The draft CERP still does not provide any information regarding the railyards’ compliance with the second agreement in 2005 between CARB, BNSF and Union Pacific. This information should be provided to the CSC and a summary of what the railroads have done to comply with the second rule should be included in the CERP.

Further, there are still NO responsibilities assigned to the railroads themselves. Once the indirect source requirements are implemented, the railroads should have the responsibility of complying with the indirect source requirements themselves. Regarding Action 1 of Railyards, “Reduce Emissions from Railyards,” and as stated in our prior comments, it makes no sense that the railroads themselves are not listed as one of the “Implementing Agency, Organization, Business or Other Entity” that will work to reduce emissions from railyards. Surely it cannot be beyond the power of SCAQMD to mention that BNSF and Union Pacific will have to be involved in any action or policy taken to reduce emissions at their associated railyards. The railroads are certainly aware that the CERP is being developed and that this goal is being included. Referencing the railroads themselves in the CERP as an implementing business entity is essential for this goal to be finalized.

7-7

We appreciate the opportunity to submit and your consideration of our comments. CCA acknowledges and commends the thousands of staff-hours put into the implementation of AB 617, and understands this is a living, evolving process and document. However, the draft SBM CERP still needs much work and strengthening if it is going to live up to the promise of bringing cleaner, healthier air to California’s most polluted, vulnerable communities.

Sincerely,



Christopher Chavez  
Deputy Policy Director

#### Response to Written Comment Letter 7-1

Please see Response to Comment Letter # 5-2 in the for NOx and DPM emission reduction targets.

As specified in Chapter 3b, emissions of DPM (a toxic air contaminant recognized by the State of California) associated with heavy-duty trucks are also expected to decrease due to recent regulations, and CARB's in-use off-road diesel-fueled fleets regulation will also contribute to reducing DPM. The commenter urges the inclusion of specific toxic air contaminant emissions reductions. The actions on reducing DPM will reduce toxic air contaminant emissions. DPM is the main contributor to cancer risk in this community. As such, the CERP identifies multiple action items designed to reduce DPM. (e.g., Actions 1, 2 and 3 in Chapter 5b) However, in future years, DPM continues to be the main contributor to cancer risk in this community.

The commenter also suggests use of health metrics and outcomes as a tool to measure success from emission reductions under the AB 617 program. The focus of the AB 617 CERP is to achieve emission reductions. Reducing air pollution will have public health benefits, and the most direct method to measure plan progress is to evaluate what emission reductions have been achieved. Many factors contribute to cumulative public health burdens and health outcomes, and short-term health benefits are difficult to assess, especially with the information that is available. In addition, conducting a study to establish a health baseline and track improvements over time is costly and may not show the long term health benefits achieved from the emission reductions in the CERP. Although it is not feasible to use health metrics and outcomes as measuring tools, staff has addressed the community's desire to see improvements in health outcomes by including actions to partner with local health organizations for direct public health interventions, such as asthma management programs. In addition to actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program, the CERP includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to school, childcare centers, and at community events.

#### Response to Written Comment Letter 7-2

South Coast AQMD staff continues to pursue a suite of actions, including some that meet SIP creditable criteria, and some that do not meet these criteria but are equally important to reducing emissions in the community. All these actions have been carefully drafted to ensure the maximum emission reductions and to address the CSC's air quality priorities.

#### Response to Written Comment Letter 7-3

All actions written in the CERP will be implemented to ensure that all air quality priorities are addressed. In addition to incentives and outreach, the CERP uses a combination of strategies to address the air quality priorities and reduce emissions, such as air monitoring and enforcement and rules and regulations. Incentive monies are only given to owners or operators that would reduce emissions above and beyond current rules and regulations. ISRs for warehouses and railyards are still undergoing the rule development process. While these efforts are ongoing, incentives for equipment that go above and beyond current rules and regulations will achieve much needed emission reductions sooner for this community. Actions will be prioritized, and updates will be provided to the CSC periodically on the implementation process of all actions included in the CERP. Timelines for each action are specified in the implementation schedule (Chapter 5h).

Chapter 5b: Neighborhood Truck Traffic, Action 2 has been updated to specify "Organize one incentive outreach event (e.g., incentive fair, workshop) per year during the implementation period of this CERP, to be evaluated thereafter with community input". This incentive outreach event is in addition to the other ongoing incentive outreach efforts conducted by the South Coast AQMD. Also, by allowing reevaluation of these efforts, the CERP process provides the community additional opportunity for input and built-in flexibility on how outreach for incentives can be the most effective.

Although some actions may not assign responsibilities to "polluters" or industry stakeholders under Implementing Agency, Organization, Business or Other Entity, any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those entities subject to the rules and regulations.

#### Response to Written Comment Letter 7-4

As an ongoing effort, South Coast AQMD is currently dismantling the Regional Clean Air Incentives Market (RECLAIM) program, because the ability to achieve NOx emission reductions using a market-based approach has diminished. These RECLAIM NOx facilities, typically larger facilities, will transition to a command-and-control regulatory structure to ensure these facilities meet BARCT. As a part of this effort an analysis of the equipment at each RECLAIM facility has been completed by giving priority to older, higher polluting equipment that need to install retrofit controls. Appendix 3a identifies one RECLAIM facility in the San Bernardino, Muscoy community.

This facility is MARS PETCARE U.S., INC. and it is a dog and cat food manufacturing facility subject to Rule 1148.2. In addition, Equipment at non-RECLAIM facilities that are within the community and do not meet BARCT requirements, will be required to do so. As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2 will be evaluated for BARCT. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized.

#### Response to Written Comment Letter 7-5

Staff is aware of the growth in the San Bernardino region and the challenges it poses. South Coast AQMD will continue to develop the ISRs in parallel to the AB 617 efforts and provide updates to the CSC on the rule making process. Details of ISR requirements needs to be conducted in the rule development process so that all stakeholders can participate in the public process. Proposed rule concepts and input provided by the CSC during the development of the CERP will be provided to staff developing ISR. Staff encourages CSC members to actively participate in the South Coast AQMD rule development process for ISR. All proposed rule concepts must fall within South Coast AQMD's legal authority.

#### Response to Written Comment Letter 7-6

South Coast AQMD is aware of the expansion of the San Bernardino International Airport. Staff has included several actions in the CERP that address emissions from trucks and warehouses that have emissions within the community boundary, which will also address air quality concerns associated with the expansion of the San Bernardino International Airport. In addition, on August 15, 2018 staff provided recommendations during the preparation of the Draft Environmental Impact Report for the Proposed Eastgate Building 1 Project California Environmental Quality Act (CEQA) commenting period and these include staff's recommendation for truck trip rates for high cube warehouses<sup>3</sup> and other mitigation measures, which the San Bernardino International Airport Authority reviewed. Comments can be seen here: <http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/nopeastgatebuilding1-081518.pdf>.

#### Response to Written Comment Letter 7-7

BNSF railyard's compliance with the 2005 agreement with CARB has been added in Chapter 5e, within the "State Actions (CARB)" section under "Ongoing Efforts". Since BNSF is the only railyard

---

<sup>3</sup> A high cube warehouse is a building that typically has at least 200,000 gross square feet of floor area, has a ceiling height of 24 feet or more and is used primarily for the storage and/or consolidation of manufactured goods (and to a lesser extent, raw materials) prior to their distribution to retail locations or other warehouses. Reference: High-Cube Warehouse Vehicle Trip Generation Analysis

<https://www.ite.org/pub/?id=a3e6679a%2De3a8%2Dbf38%2D7f29%2D2961becdd498>

within the San Bernardino, Muscoy community; it seems only appropriate to include BNSF railyard's compliance status within the San Bernardino, Muscoy CERP.

One of the strategies South Coast AQMD is evaluating to reduce emissions from railyards and intermodal facilities is through the Facility Based Mobile Source Measures. The development of the Facility Based Mobile Source Measures was initially intended to address regional air pollution, specifically NOx emission reductions, and to attain the National Ambient Air Quality Standards as required by the Clean Air Act. However, the CSC has made it clear that the Facility Based Mobile Source Measures must also focus on reducing localized impacts.

BNSF recently prepared an updated inventory and presented a summary of this analysis at the June 20, 2019 Community Steering Committee meeting. BNSF has indicated that it plans to provide this detailed inventory analysis to South Coast AQMD for its review in the near future. This information will show key changes and emission reductions that have occurred since the 2005 agreement between CARB and BNSF. In addition, BNSF indicated in their presentation that a number of emission sources have lower emissions than they did for the 2005 inventory prepared for CARB. The slide showed that, as of 2017, diesel PM emissions have been reduced by 23% from freight locomotives and 90% from non-locomotive equipment since 2005.

BNSF will be participating in the development of the Facility-Based Mobile Source Measures ("FBMSM") workshops to address railyards and intermodal facilities. South Coast AQMD staff has recently received an updated emissions inventory for the San Bernardino railyard that BNSF has voluntarily prepared. Staff will work with BNSF to review the data and will provide updates to the community in the coming months. BNSF's commitment is included in Chapter 5e, Action 1, under "Implementing Agency, Organization, Business or Other Entity". Any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those subject to the rules and regulations.

Staff appreciates CCA's comments on the San Bernardino, Muscoy CERP.

## General Comment Letters submitted for all three AB 617 Year 1 communities

Written Comment Letter #8: Priscilla Hamilton, Southern California Gas

### Comment Letter #8



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company

555 W. 5th Street  
Los Angeles, CA 90013  
(213) 244-8237  
PHamilton@semprautilities.com

July 15, 2019

Philip Fine, Ph.D.  
Deputy Executive Officer  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

**RE: Assembly Bill 617 (AB 617) Community Emission Reduction Plans (CERPs)**

Dear Dr. Fine,

Thank you for the opportunity to comment on the South Coast Air Quality Management District's (SCAQMD) AB 617 efforts. Southern California Gas Company (SoCalGas) has participated in numerous Community Steering Committees (CSCs) and would like to commend SCAQMD staff on moving this monumental effort forward. SoCalGas looks forward to working with and assisting SCAQMD in the future. To that end, SoCalGas would like to submit the following comments on AB 617 and the Community Emission Reduction Plans (CERPs).

#### **I. INCENTIVES**

Incentives are integral to achieving emission reductions from Class 7 and 8 Heavy-Duty trucks. However, there are not enough incentives available to turn over the number of trucks needed to meet state, regional, and community emission reduction goals. Therefore, incentives need to be used wisely and cost-effectively to achieve the greatest amount of emission reductions today.

#### **Scrappage programs should be used to maximize emission reductions**

The most effective approach to reducing emission reductions with incentives is to require scrappage. While it is important to get clean trucks into service, it is equally important to remove older, dirtier trucks operating in disadvantaged communities. Without removing a dirtier truck through scrappage, there is no way to ensure that truck will no longer operate in communities as the fleet expands. Scrapping trucks ensures that emission reductions will be maximized. Voucher programs with no scrappage requirements, such as the Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP), are also integral in moving the existing statewide fleet to alternative fuels, however, emission reductions in targeted areas should utilize scrappage programs to maximize emission reductions. SoCalGas recommends that incentive funding be prioritized for scrappage programs like Carl Moyer and Prop 1B.

Appendix RTC-46



**Funding technology advancement is contrary to the purpose of AB 617 – Current year incentives should be used for available technologies**

The purpose of AB 617 is to reduce emissions in disadvantaged communities within the five-year Community Emission Reduction Plan (CERP) time frame. While some have called for the use of incentives for demonstrations and pilots, this approach does not achieve the immediate emission reductions required by the AB 617 statute.<sup>1</sup> There are many other technology advancement programs locally and statewide that fund demonstrations and pilots for advancing technologies, such as the Low Carbon Transportation Pilots and Demonstrations, Zero and Near-Zero Emission Freight Facilities (ZANZEFF) and others. Those seeking funding for those types of projects should be directed to those programs. SoCalGas recommends that CERP incentives should focus solely on available technologies that can achieve tangible emission reductions.

**Incentives should prioritize technologies that can maximize emission reductions today**

Due to the current state of development, advanced technologies, such as battery electric class 7 and 8 trucks, have significant operating limitations, including but not limited to:

- **Range:** The California Air Resources Board (ARB) has stated that a technology is commercially available if it can be included in the HVIP eligibility list, as there is a robust process for a vehicle to be eligible for an HVIP voucher. Currently, there is only one Class 8 heavy-duty truck applicable for goods movement on the list. This truck has a maximum advertised range of 124 miles per charge. This is considerably less mileage than what the existing diesel fleet can achieve. This limited range also prohibits a one-to-one replacement of an older truck, limits how much a truck can be used, and thus limits its emission reduction potential.
- **Charging time:** Battery electric trucks can take several hours to charge. This is a significant operational difference between today's existing fleet, which requires only several minutes to refuel. Down time for charging will limit the hours a truck can be used in a day, which also limits its emission reduction potential.
- **Infrastructure availability:** The availability of infrastructure in the region is a major concern for battery electric technologies. While some may argue that charging stations can be slowly built out, there is a broader concern of finding land to accommodate charging and parking for these trucks. Due to charging, these trucks will be relegated to "return to base" operations and charging lots will need to be built nearby. In this case, it would be in or near an AB 617 community. AB 617 communities have stated various concerns with congestion and parking for trucks and placing charging lots in or near the communities would exacerbate the situation.

While these limitations may be overcome in the future, it is unrealistic to think that they will be resolved within the five-year CERP window. These limitations, and others, currently prevent battery electric technologies from doing all the things that the existing diesel fleet can do, therefore limiting the reductions that can be achieved. Natural gas trucks that meet ARB's

<sup>1</sup> See [https://leginfo.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180AB617](https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201720180AB617)

Optional Low nitrogen oxides standard<sup>2</sup> (Low-NOx trucks) can achieve significant emission reductions and can operate just like its diesel counter parts. Low-NOx trucks have similar range, power, and fuel time. They have been thoroughly tested, are available today, and can truly be a one-to-one replacement for diesel trucks.

#### Emission Reduction Effectiveness

Low-NOx trucks are the most effective solution in reducing emissions from heavy duty trucking. If SCAQMD used \$100 million of \$107 million in AB 617 incentives for low-NOx trucks, the emissions impact between the number of battery electric trucks versus Low-NOx trucks would be staggering.

*What could \$100 million of incentives get?*

Technology	Incentive Amount	Number of Trucks
Battery Electric	*\$332,500 <sup>3</sup>	300
Low NOx	\$100,000 <sup>4</sup>	1,000

*\*not including the \$50,000 per charger needed, an additional \$15 million total*

As shown above, \$100 million of incentives would result in 300 battery electric trucks or 1,000 Low NOx Trucks. In scrappage programs, this would also result in removing 1,000 diesel trucks from disadvantaged communities when funding Low NOx Trucks, compared to just 300 when funding battery electric trucks.

Both zero-tailpipe technologies and alternative fuel technologies would eliminate diesel particulate matter. For NOx, if all units were deployed at the same time, 300 battery electric trucks would reduce NOx emissions by 738 tons over the five-year CERP life, while 1,000 Low NOx trucks deployed at the same time would reduce NOx emissions by 2,406 tons over the same period. The significant discrepancy in emission reductions is due to the large difference in the number of Low-NOx trucks that can be turned over with \$100 million and the limited range<sup>5</sup> of battery electric trucks which results in substantially more emission reductions for Low-NOx trucks. In addition to achieving more emission reductions, it is important to point out that investing incentives into Low-NOx Trucks also removes 700 more older trucks from public roads, which would otherwise continue to emit.

As shown below, the emission difference is substantial even though the same amount of incentives would be used in each scenario. To utilize incentives most effectively, SCAQMD

<sup>2</sup> 0.02 grams of NOx per brake horsepower hour

<sup>3</sup> Based on a \$350,000 truck and a 95% funding from the Carl Moyer Program

<sup>4</sup> Based on Prop 1B scrappage and comparable to current Carl Moyer Program

<sup>5</sup> Battery Electric annual mileage of 37,448 based on BYD T8 advertised range of 124 miles per day for 302 days per year), Low NOx truck annual mileage of 44,558 based on EMFAC 2014 T7POLA category.



Optional Low nitrogen oxides standard<sup>2</sup> (Low-NOx trucks) can achieve significant emission reductions and can operate just like its diesel counter parts. Low-NOx trucks have similar range, power, and fuel time. They have been thoroughly tested, are available today, and can truly be a one-to-one replacement for diesel trucks.

8-3  
Cont.

#### Emission Reduction Effectiveness

Low-NOx trucks are the most effective solution in reducing emissions from heavy duty trucking. If SCAQMD used \$100 million of \$107 million in AB 617 incentives for low-NOx trucks, the emissions impact between the number of battery electric trucks versus Low-NOx trucks would be staggering.

*What could \$100 million of incentives get?*

Technology	Incentive Amount	Number of Trucks
Battery Electric	*\$332,500 <sup>3</sup>	300
Low NOx	\$100,000 <sup>4</sup>	1,000

*\*not including the \$50,000 per charger needed, an additional \$15 million total*

As shown above, \$100 million of incentives would result in 300 battery electric trucks or 1,000 Low NOx Trucks. In scrappage programs, this would also result in removing 1,000 diesel trucks from disadvantaged communities when funding Low NOx Trucks, compared to just 300 when funding battery electric trucks.

8-4

Both zero-tailpipe technologies and alternative fuel technologies would eliminate diesel particulate matter. For NOx, if all units were deployed at the same time, 300 battery electric trucks would reduce NOx emissions by 738 tons over the five-year CERP life, while 1,000 Low NOx trucks deployed at the same time would reduce NOx emissions by 2,406 tons over the same period. The significant discrepancy in emission reductions is due to the large difference in the number of Low-NOx trucks that can be turned over with \$100 million and the limited range<sup>5</sup> of battery electric trucks which results in substantially more emission reductions for Low-NOx trucks. In addition to achieving more emission reductions, it is important to point out that investing incentives into Low-NOx Trucks also removes 700 more older trucks from public roads, which would otherwise continue to emit.

As shown below, the emission difference is substantial even though the same amount of incentives would be used in each scenario. To utilize incentives most effectively, SCAQMD

<sup>2</sup> 0.02 grams of NOx per brake horsepower hour

<sup>3</sup> Based on a \$350,000 truck and a 95% funding from the Carl Moyer Program

<sup>4</sup> Based on Prop 1B scrappage and comparable to current Carl Moyer Program

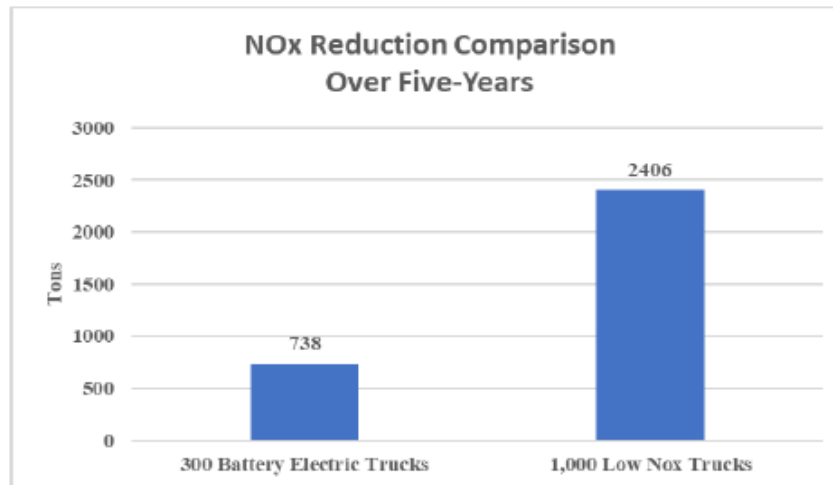
<sup>5</sup> Battery Electric annual mileage of 37,448 based on BYD T8 advertised range of 124 miles per day for 302 days per year), Low NOx truck annual mileage of 44,558 based on EMFAC 2014 T7POLA category.

Page 4

must get as many clean trucks on the road as possible, remove as many dirty trucks as possible, and prioritize technologies that can be used in all applications.

NOx Emissions from 1,000 Trucks on the Road Today	
2,548 tons	
NOx Emission Reductions from Using \$100 million to replace with:	
Battery Electric (300 trucks)	738 tons
Low NOx (1,000 trucks)	2,406 tons
Remaining NOx emissions from Replacing Diesel Trucks	
Battery Electric (300 trucks)	1,721 (300 battery and 700 diesel trucks remain)
Low NOx (1,000 trucks)	53 (1,000 Low NOx and zero diesel trucks remain)

8-4  
Cont.



## II. ENERGY EFFICIENCY TECHNOLOGY ADVANCEMENTS FOR AB 617 COMMUNITIES

Below are near-term technologies SoCalGas is working on that could improve energy efficiency in AB 617 communities and reduce the amount of fuel combusted for space and water heating.

### Gas-Fired Absorption Residential Heat Pump

SoCalGas has been working with Stone Mountain Technologies Inc. and the Gas technology Institute (GTI), to demonstrate a high-efficiency Gas-fired Absorption residential Heat Pump (GAHP) water heater with an Energy Factor >1.3, 11,000 Btu/hr output, and 60-80-gallon storage capacity. The GAHP is already certified by the SCAQMD and meets the 10 ng NOx/Joule regulation limit in Rule 1121. This would be a drop-in replacement for standard water heaters in existing homes.

8-5

### Residential Fuel Cell Units

SoCalGas has partnered with AQMD to demonstrate a Residential Fuel cell to be used in conjunction with solar arrays and battery storage. The solar and fuel cell will both have the ability to power the home directly while simultaneously charging the battery. The unit also has the ability to recover heat for water and/or space heating needs, which increases overall efficiency. This technology is widely used in Europe and can be an ideal solution for reducing emissions from combustion of natural gas for space and water heating in homes.

## III. Conclusion

SoCalGas appreciates your consideration of our comments. We look forward to working with staff and other stakeholders in future meetings. If you have any questions, please do not hesitate to contact me.

Sincerely,



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company

Cc:

JoKay Ghosh, Ph.D.  
Dan Garcia  
Dan McGivney  
Kevin Maggay  
Edith Moreno

Response to Written Comment Letter 8-1

The CERPs for all three Year 1 communities include actions to address emissions for neighborhood trucks. The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near zero) through incentives to achieve much needed emission reductions sooner. While the South Coast AQMD is currently testing and evaluating a broad range of zero-emission capable heavy-duty trucks, including battery electric and fuel cell, the only commercially available technology is the near zero-emission (0.02 g/bhp-hr NOx) 9L and 12L engines for Class 7 and 8 trucks. Therefore, as is the case with all South Coast AQMD implemented incentive programs (e.g., Carl Moyer, Prop 1B), an emphasis on cost-effectiveness will continue to be placed to maximize the NOx emissions, providing local and regional air quality benefits. Scrapping requirements are an integral part of the incentive programs to ensure that the emission reductions are real and permanent.

Response to Written Comment Letter 8-2

Incentives focus on currently available technologies, such as the near zero-emission (0.02 g/bhp-hr NOx) 9L and 12L engines for Class 7 and 8 trucks. The CSCs' have prioritized zero-emission technology, where commercially available and technologically feasible; which are not commercially available at this time for heavy-duty trucks. The development, demonstration, and commercialization of cleaner technologies helps to expedite cleaner technologies prioritized by the CSC. Current year incentives will be used for available technologies. South Coast AQMD is funding and/or cost-sharing various zero-emission capable, heavy-duty truck projects to ascertain performance and needs to varying duty cycles, including range, charging time, and infrastructure availability. As demonstration projects with truck original equipment manufacturers (OEMs) are completed, including Daimler Trucks of North America and Volvo Trucks, OEMs plan to incorporate any necessary design changes and implement these into more robust commercial projects, expected to be available in small commercial scale in 2021. South Coast AQMD will consider providing incentives to these zero-emission trucks upon commercialization and meeting incentive guidelines.

Response to Written Comment Letter 8-3

The CERPs include actions to implement the technologies commercially available today and maximize the use of available incentive funds to ensure the greatest emission reductions. South Coast AQMD staff is working closely with CARB on lowering the heavy-duty engine standard in California and has petitioned the U.S. EPA to establish near zero-emission NOx standard for the nation.

Response to Written Comment Letter 8-4

South Coast AQMD is uncertain as to the cost estimates included in the comment, or the basis for incentive amounts, but as indicated in Responses to Comment 8-1 and 8-3, the CERPs include actions to implement the technologies commercially available today and maximize the use of the available incentive funds to ensure the greatest emission reductions, using cost-effectiveness as

one of the key criteria. For mobile source projects, the incentive funds are to be implemented consistent with Carl Moyer or Prop 1B guidelines.

Response to Written Comment Letter 8-5

Thank you for your comment on gas-fired absorption residential heat pumps and residential fuel cell units. AB 617 focuses on reducing emissions from the sources of pollution prioritized by the community. These air quality priorities include refineries, ports, neighborhood truck traffic, oil drilling and production, railyards, and exposure reduction at schools, childcare centers, and homes. South Coast AQMD appreciates SoCalGas' effort to provide information on technology that improves energy efficiency.

Written Comment Letter #9: Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)

## Comment Letter #11



**California Council for Environmental and Economic Balance**

101 Mission Street, Suite 805, San Francisco, California 94105  
415-512-7890 phone, 415-512-7897 fax, [www.cceeb.org](http://www.cceeb.org)

June 25, 2019

Dr. Philip Fine, Deputy Executive Officer  
Dr. Jo Kay Ghosh, Health Effects Officer  
South Coast Air Quality Management District  
Submitted Electronically to <https://onbase-pub.aqmd.gov>

RE: AB 617 Draft Community Emissions Reduction Plans and  
Community Air Monitoring Plans

Dear Drs. Fine and Ghosh,

On behalf of the members of the California Council for Environmental and Economic Balance (CCEEB), we appreciate the opportunity to submit comments on the South Coast Air Quality Management District (SCAQMD or "District") draft community emissions reduction plans (CERPs) and draft community air monitoring plans (CAMPs). The SCAQMD has been a leader in developing AB 617 programs and policies, and its work in the communities of Wilmington-Long Beach-Carson, Boyle Heights-East Los Angeles-West Commerce, and San Bernardino-Muscoy serves as a model statewide for achieving targeted and effective emissions and exposure reductions in overly burdened communities. CCEEB members operate in each of these three "first-year" communities, and many are active in the District's Community Steering Committee (CSC) process, as well as related activities and proceedings at the District related to AB 617 implementation.

Individual CCEEB members have been engaging with the District and other community members at the community-level, offering perspective and expertise as part of the plan development process. CCEEB has been engaging on a broader level, through its participation in the SCAQMD AB 617 Technical Advisory Group and the Air Resources Board (ARB) AB 617 Consultation Group. Our comments reflect this broader perspective, but are based on consultation with and feedback from our membership. Our intent is to help support successful program development, both in the three "first-year" communities as well as looking forward to the continued and expanded implementation of AB 617 in future communities.

Our main point is as follows:



- **Emission reduction actions should be based on technical review of those sources that contribute most to community-level exposures.** However, detailed community inventories and data on source apportionment have not yet been released, and only a high-level discussion of community impacts has occurred at community meetings. CCEEB believes the draft plans should be re-evaluated by the District and community stakeholders as more detailed and localized emissions data becomes publicly available.

AB 617 specifies that the statewide strategy to reduce criteria pollutant and toxic air contaminant emissions must include assessment of sources or source categories contributing to high cumulative exposure burdens, including the relative contribution of each source. AB 617 further specifies that air district community emissions reduction plans (CERPs) must be consistent with the statewide strategy. Yet draft actions have been developed *ahead of* the requisite technical analysis, putting the proverbial cart before the horse. For example, the Source Attribution section of the Community Profiles for Wilmington-Long Beach-Carson and San Bernardino-Muscoy will not be ready until after comments have been received on the draft CERPs. Moreover, localized air monitoring data, meant to measure and validate sources of concern to local communities, will not be available until a much later date and are not available to help establish baseline conditions or set reduction targets.

9-1

CCEEB acknowledges that much of the timing problem lies outside staff control given the accelerated implementation schedule set by the Legislature, as well as work that must be done by ARB to develop the on-road and off-road mobile inventories. However, the lack of technical background creates process concerns that will need to be addressed as new information becomes available. For example, in the Wilmington-Long Beach-Carson CERP, two of three refinery actions focus on flaring, yet no analysis has been done to show the degree to which flaring contributes to overall pollutant concentrations or that it even poses significant health risks. As such, it is difficult to evaluate whether these actions should be priorities as compared to other sources or actions, both refinery and non-refinery.

While high-level data has been presented to the CSCs, it has not been granular enough to indicate clear areas of focus. As such, identified concerns have been based on anecdotal experience and perceptions, without scientific validation. Moreover, a narrow focus in the plans on limited District authority omits a much needed discussion of how the SCAQMD, communities, and ARB can and should be partnering on strategies that tackle mobile source impacts, including diesel particulate matter. For example, while staff recognizes risks from on-road and off-road mobile sources under ARB authority, it has not yet specified the relative risk from different source types.

CCEEB recommends that the draft CERPs be revisited once technical data is available, and urges staff to provide scientific evidence validating community concerns and justifying recommended actions. CCEEB also recommends that the District and

community stakeholders engage ARB so that it is demonstrably responsible for community sources under its authority, as specified in the Health and Safety Code Section 44391.2(c)(6).

9-1

Cont.

In addition to our main point about the technical analysis needed to support the CERPs, we offer these additional recommendations on other areas of the CERPs and CAMPs.

- SCAQMD air monitoring programs are robust and seem to be well aligned with the data collection needs of AB 617 communities.** CCEEB appreciates the tremendous amount of advance work that has been done to secure appropriate instrumentation and expertise, both in-house and through outside contractors. Moving forward, it will be important that the District work with all stakeholders to ensure that data collection, data interpretation, and communication of results will be clear, transparent, and understandable to public users. Context is key. CCEEB believes that the three Community Steering Committees and the AB 617 TAG can assist with this work and provide valuable insight to District staff. Additionally, the District will need to establish how different types of monitoring data can be used for different purposes, e.g., mobile monitoring such as FluxSense can be valuable as a screening tool, but most often more precise measurements are needed as a basis for regulatory actions.
- Effective program metrics are important, yet will be a challenge to develop, track and quantify.** CCEEB believes program success should be measured based on sound data directly related to emissions and exposure reductions, to the extent feasible, while recognizing that some actions will take time to achieve desired results. Thus, it is important for the District to establish realistic timeframes, working with community members to set expectations.
- Incentives and grants will play a major role in reducing emissions and exposures in AB 617 communities.** The CERPs should include a discussion of what funds have been allocated to date, how investments will achieve quantifiable results and community benefits, and what more needs to be done, particularly how groups can help support sustained funding efforts.

9-2

9-3

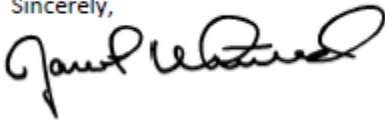
9-4

In closing, CCEEB wants to recognize the full spectrum of AB 617 activity at the District, much of which lies outside the community plans. This includes but is not limited to work to accelerate implementation of best available retrofit control technology (BARCT), the parallel process to sunset the Regional Clean Air Incentives Market, advocacy at the Legislature and with the Governor's Office to secure nearly \$700 million in incentive funding statewide for AB 617 communities, and substantial technical assistance to ARB and other agencies on issues such as emissions reporting, air monitoring, deployment of low-cost sensors, and development of scientifically sound community inventories based on monitoring and modeling data. While our comments here are specific to the first-year community draft plans, we want to express our appreciation for the totality of



SCAQMD work implementing AB 617 and for its leadership statewide in advancing effective solutions that reduce community exposures and air pollution burden. Across all these efforts, CCEEB commits to continuing our support of the District in its implementation of the landmark AB 617 legislation.

Sincerely,



Janet Whittick  
CCEEB Policy Director

cc: Ms. Karen Magliano, Director of the Office of Community Air Protection, ARB  
Ms. Frances Keeler, CCEEB Vice President and South Coast Air Project Manager  
Mr. Bill Quinn, CCEEB President  
Members of the CCEEB South Coast Air Project

#### Response to Written Comment Letter 9-1

Chapter 3b – Source Attribution Analysis for the SBM CERP was released July 12, 2109 based on the best available inventory data, which is all that is available at this time. The analysis supports the need for the actions in the Draft Final CERP that address sources prioritized by the CSC.

#### Response to Written Comment Letter 9-2

The South Coast AQMD staff will continue efforts to work with all stakeholders to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. The South Coast AQMD has launched its AB 617 Community Air Monitoring website and its Data Display tool featuring air quality data reporting from selected fixed community air monitoring stations. The primary goal of this tool is to share preliminary continuous monitoring data in near real time and finalized results of laboratory analyses and mobile platform survey monitoring.

South Coast AQMD staff presented initial results from air monitoring conducted for the AB 617 CAMPs at the CSC meeting held on August 15, 2019. Several actions in the CERP include a commitment from staff to continue to provide similar updates. For example, Action 1 of Chapter 5d, includes a commitment from South Coast AQMD staff to provide CSC members quarterly or biannual updates on efforts for air monitoring beginning the third quarter of 2020.

#### Response to Written Comment Letter 9-3

The Draft Final CERP includes emission reduction goals and a course of action (i.e., step by step measures) with an estimated timeline. The actions include step by step measures to address emission sources, timelines and an estimate of emission reductions that contribute to the overall emission reduction goals for the Draft Final CERP. The South Coast AQMD staff will update the CSC on emission reduction progress.

Response to Written Comment Letter 9-4

Approximately \$101 million were allocated to projects in the South Coast Air basin that were funded by AB 134, of which 89% were located in disadvantaged and low-income communities. Of the total allocation \$319,622 was awarded to emission reduction projects located in the East Los Angeles, Boyle Heights community. Also, \$21,925,447 was awarded to emission reduction projects located in the San Bernardino, Muscoy community and \$9,036,563 to the Wilmington, Carson, West Long Beach community. Clean off-road equipment, near-zero emission transit vehicles, and locomotives are three examples of the kinds of projects that the allocation funded.

The emission reduction targets in Chapter 5a for mobile source incentives are based on mobile source projects that have historically been incentivized in the year 1 communities. Based on this information the estimated emission reductions for mobile source incentive projects in the year 1 communities are between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions. The CERPs include actions to work with other entities to identify new funding opportunities.

**ATTACHMENT C**  
**RESOLUTION NO. 19-\_\_\_\_\_**

**A Resolution of the Governing Board of the South Coast Air Quality Management District (South Coast AQMD) determining that the Community Emissions Reduction Plan for the San Bernardino, Muscoy community (SBM CERP) is exempt from the requirements of the California Environmental Quality Act (CEQA).**

**A Resolution of the South Coast AQMD Governing Board Adopting the Community Emissions Reduction Plan for the San Bernardino, Muscoy community.**

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the SBM CERP is considered a “project” pursuant to CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and

**WHEREAS**, the South Coast AQMD has had its regulatory program certified pursuant to Public Resources Code Section 21080.5 and CEQA Guidelines Section 15251(l), and has conducted a CEQA review and analysis of the proposed project pursuant to such program (South Coast AQMD Rule 110); and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines after conducting a review of the proposed project in accordance with CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA, and CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA, that the proposed project is determined to be exempt from CEQA; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because the proposed project is designed to further protect or enhance the environment; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project may result in some minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies; and

**WHEREAS**, the South Coast AQMD Governing Board has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions; and

**WHEREAS**, the South Coast AQMD staff has prepared a Notice of Exemption for the proposed project that is completed in compliance with CEQA Guidelines Section 15062 – Notice of Exemption; and

**WHEREAS**, the SBM CERP, and other supporting documentation, were presented to the South Coast AQMD Governing Board and the South Coast AQMD Governing Board has reviewed and considered this information, as well as has taken and considered staff testimony and public comment prior to approving the project; and

**WHEREAS**, Assembly Bill (AB) 617 directs the California Air

Resources Board (CARB) to select locations around the state for preparation of community emissions reduction programs; and

**WHEREAS**, in 2018, the South Coast AQMD Governing Board recommended communities to CARB for the AB 617 program; and

**WHEREAS**, in 2018, CARB selected the community of San Bernardino, Muscoy as one of the communities for which a Community Emissions Reduction Plan shall be prepared; and

**WHEREAS**, the AB 617 statute specifies that the air district must adopt the Community Emissions Reduction Plan within one year of the state board's selection of the community; and

**WHEREAS**, the SBM CERP is a planning document designed to assist future regulatory programs and rule development efforts, and to reduce emissions of and exposure to air toxics and other pollutants; and

**WHEREAS**, the SBM CERP is required by AB 617 and it builds upon existing criteria pollutant and air toxic programs, with greater emphasis on cumulative and localized impacts, and

**WHEREAS**, although the results of MATES IV show regional reductions in health risk from exposure to toxic air contaminants, some communities such as San Bernardino, Muscoy are disproportionately impacted by air toxics, and other environmental pollution, as well as social and economic burdens; and

**WHEREAS**, the San Bernardino, Muscoy Community Steering Committee has worked with staff to develop the Community Emissions Reduction Plan to reflect the community's air quality priorities and strategies to address these priorities; and

**WHEREAS**, the Community Emissions Reduction Plan aims to reduce air toxics and other pollutants in the San Bernardino, Muscoy community.

**NOW, THEREFORE BE IT RESOLVED**, that the South Coast AQMD Governing Board does hereby determine, pursuant to the authority granted by law, that the SBM CERP is exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the SBM CERP contains action items which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. The proposed project contains action items that are also categorically exempt from CEQA pursuant to, CEQA Guidelines Section 15303 –

New Construction or Conversion of Small Structures, CEQA Guidelines Section 15306 – Information Collection, CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, CEQA Guidelines Section 15309 – Inspections, and CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. No exceptions to the application of the categorical exemptions set forth in CEQA Guidelines Section 15300.2 – Exceptions, apply to the proposed project. This information was presented to the South Coast AQMD Governing Board, whose members reviewed, considered and approved the information therein prior to acting on the proposed project; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing finds that the SBM CERP meets the requirements of AB 617 and will advance the mission of cleaning the air at a community scale in the San Bernardino, Muscoy community and will provide emission reduction co-benefits toward achieving state and national air quality standards; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board does hereby approve the SBM CERP; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board directs staff to periodically report to the Stationary Source Committee on the implementation of the SBM CERP, including updates on the actions within the plan and the emissions reductions achieved; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board authorizes staff to make any necessary, non-substantive edits which do not have any material impact on the environment to the SBM CERP prior to submission to CARB for approval; and

**BE IT RESOLVED**, that the South Coast AQMD Governing Board adopts the SBM CERP, dated September 2019.

DATE: \_\_\_\_\_

\_\_\_\_\_  
Denise Garzaro, Clerk of the Boards

## NOTICE OF EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

---

**To:** County Clerks  
Counties of Los Angeles, Orange,  
Riverside, and San Bernardino

**From:** South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

---

**Project Title:** Community Emissions Reduction Plan for the San Bernardino and Muscoy Community per Assembly Bill 617

---

**Project Location:** The project is located at the following community within the South Coast Air Quality Management District (South Coast AQMD) jurisdiction: the City of San Bernardino and the adjacent unincorporated community of Muscoy within San Bernardino County referred to herein as San Bernardino and Muscoy (SBM) in San Bernardino County.

---

**Description of Nature, Purpose, and Beneficiaries of Project:** In accordance with Assembly Bill (AB) 617, which was signed into state law in 2017, and the California Air Resources Board's (CARB) Community Air Protection Program which implements AB 617, the South Coast AQMD is required to take specific actions to reduce air pollution and toxic air contaminants from commercial and industrial sources to address the disproportionate impacts of air pollution in environmental justice communities. Implementation of the specific actions is expected to occur over several years, and AB 617 specifies that the highest priority areas shall be disadvantaged communities with a high cumulative exposure burden for criteria pollutants and toxic air contaminants. After conducting extensive public outreach and data analysis, South Coast AQMD staff identified SBM as one of three communities qualifying as a high priority area for implementation where the first efforts to implement community monitoring and emission reduction plans pursuant to AB 617 will occur. The purpose of this project is to implement a Community Emissions Reduction Plan (CERP) for the SBM community per AB 617. The beneficiary of the project is the identified community and the nearby areas, but the entire region within South Coast AQMD's jurisdiction will also benefit. The CERP contains the following action items which have been tailored for the SBM community's identified air quality concerns and schools/hospitals/parks and community centers. The CERP for the SBM community is comprised of the following action items to address:

Truck Idling and Warehouse Truck Traffic: 1) conduct truck idling enforcement sweeps with CARB; 2) partner with the City of San Bernardino and the County of San Bernardino on land use planning issues and restrictive truck routes; 3) collaborate with the appropriate agency on restrictive truck routes and improvements to complaint and response systems; 4) expand truck traffic outreach efforts (e.g., fairs, workshops) to distribute incentive information to equipment owners; and 5) partner with CARB to identify older trucks in the community as targets for incentives.

Burlington Northern Sante Fe (BNSF) Railyard: 1) continue the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail; 2) support CARB's petition to the United States Environmental Protection Agency for new national locomotive emission standards; and 3) incentivize the replacement of older diesel equipment (e.g., locomotives).

Warehousing: 1) collaborate with the City of San Bernardino and the County of San Bernardino on enhancing requirements to address warehouse development such as requiring loading docks to be sited away from residents, establishing buffer zones for new development, and facilitating electric utility infrastructure with appropriate parties; and 2) continue the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for warehouses.

Omnitrans Bus Yard: 1) support Omnitrans on accelerating the schedule for utilizing zero emission buses and chargers; and 2) conduct mobile monitoring near Omnitrans to identify potential sources of emissions.

Concrete Batch Plants: 1) monitor particulate matter (PM10) to identify hot spots, if any, for follow-up enforcement; and 2) expand outreach efforts to operators and the community relative to best practices pursuant to South Coast AQMD Rule 403 – Fugitive Dust.

---

Schools/Hospitals/Parks/Community Centers: 1) partner with the San Bernardino County Department of Public Health on outreach materials for air quality advisories and/or asthma related programs; 2) distribute air filtration systems to schools and homes; 3) identify new or existing sources or programs that can provide funding for tree planting; and 4) identify new or existing sources or programs that can provide funding for alternative fueled school buses.

**Public Agency Approving Project:**

South Coast Air Quality Management District

**Agency Carrying Out Project:**

South Coast Air Quality Management District

**Exempt Status:**

CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption

CEQA Guidelines Section 15262 – Feasibility and Planning Studies

CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures

CEQA Guidelines Section 15306 – Information Collection

CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment

CEQA Guidelines Section 15309 – Inspections

CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies

**Reasons why project is exempt:** In accordance with the California Environmental Quality Act (CEQA), South Coast AQMD staff has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. Because the physical changes that may occur as a result of implementing portions of the proposed project would only require minimal construction activities and cause negligible physical impacts, South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that any physical actions that may be associated with the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, because the overall purpose of this project is to improve the environment of the SBM community and nearby areas and all of the action items within the SBM CERP support this goal, the action items are also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The SBM CERP contains elements that qualify as feasibility and planning studies, because the collection of information is needed in order to make an informed decision about whether to take further action (e.g., future rule development). However, the portion of the SBM CERP that qualifies as feasibility and planning studies does not prescribe or commit to specific details about the future actions that may occur, nor have the future actions been approved or adopted in advance, because they require an open public process. Specifically, after the portions that qualify as feasibility or planning studies are completed, and if they result in a decision to go forward with future rule development, the regulated community, stakeholders, interested parties, and the public will be invited to participate in the rule development process in a public forum. For these reasons, the following action items for the SBM CERP are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies:

- Continuing the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail; and
- Continuing the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for warehouses.

The following action items within the SBM CERP involve minor physical modifications to existing structures or buildings which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures:

- Installing air filtration systems with priority given to public schools along major truck routes; and
- Monitoring PM10 to identify hot spots, if any, for follow-up enforcement if needed at concrete plants.



The following action items within the SBM CERP involve information collection activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection:

- Partnering with CARB to identify older trucks in community as targets for incentives;
- Monitoring PM10 to identify hot spots for follow-up enforcement if needed at concrete plants; and
- Partnering with the San Bernardino County Department of Public Health to collect and distribute outreach materials for air quality advisories and/or asthma related programs;
- Identifying new or existing sources or programs that can provide funding for tree planting;
- Identifying new or existing sources or programs that can provide funding for alternative fueled school buses; and
- Conducting monitoring near Omnitrans to identify potential sources of emissions.

The following action item within the SBM CERP involves inspection activities that check for performance or compliance are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections:

- Conducting truck idling enforcement sweeps with CARB;
- Monitoring PM10 to identify hot spots for follow-up enforcement if needed at concrete plants; and
- Conducting monitoring near Omnitrans to identify potential sources of emissions.

The following action item within the SBM CERP involves enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies:

- Conducting truck idling enforcement sweeps with CARB; and
- Monitoring PM10 to identify hot spots for follow-up enforcement if needed at concrete plants

Further, South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA.

**Date of Project Approval:**

South Coast AQMD Governing Board Hearing: September 6, 2019; South Coast AQMD Headquarters

<b>CEQA Contact Person:</b>	<b>Phone Number:</b>	<b>Email:</b>	<b>Fax:</b>
Mr. Luke Eisenhardt	(909) 396-2324	<a href="mailto:leisenhardt@aqmd.gov">leisenhardt@aqmd.gov</a>	(909) 396-3982
<b>AB617 Contact Person:</b>	<b>Phone Number:</b>	<b>Email:</b>	<b>Fax:</b>
Ms. Diana Thai	(909) 396-3443	<a href="mailto:dthai@aqmd.gov">dthai@aqmd.gov</a>	(909) 396-3879

**Date Received for Filing:** \_\_\_\_\_

**Signature:** \_\_\_\_\_



Barbara Radlein  
Program Supervisor, CEQA  
Planning, Rule Development, and Area Sources

# AB 617 Community Emissions Reduction Plan for San Bernardino, Muscoy

---



GOVERNING BOARD MEETING

SEPTEMBER 6, 2019

# AB 617 Year 1 Communities

## September 2018, CARB designated:

- San Bernardino, Muscoy
- East Los Angeles, Boyle Heights, West Commerce
- Wilmington, Carson, West Long Beach

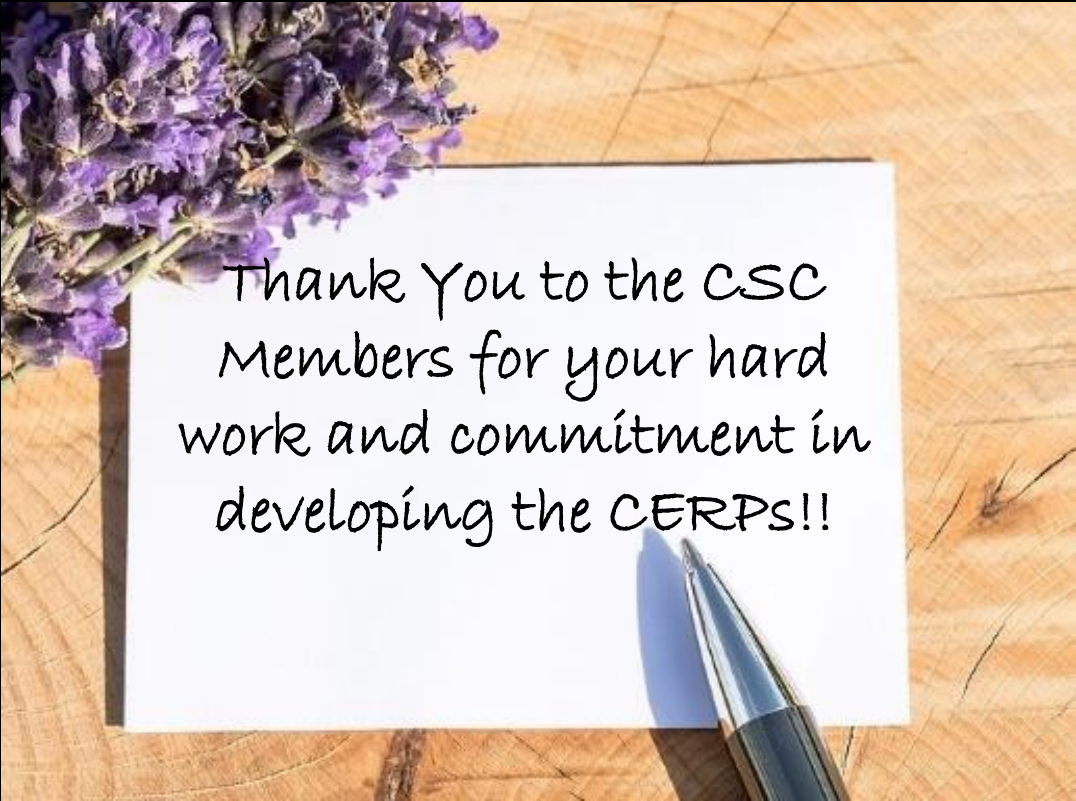
## Extensive Community Engagement:

- 3 Community Steering Committees (CSCs)
- 27 CSC meetings
- 60 + individual meetings
- 2 community bus tours
- 3 Technical Advisory Group meetings
- 6 community workshops



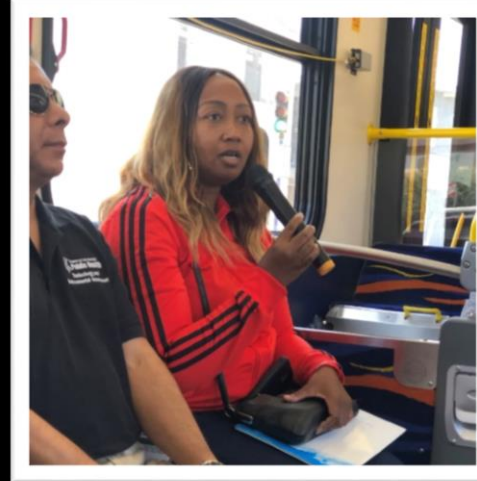


# Community Steering Committee



Thank You to the CSC  
Members for your hard  
work and commitment in  
developing the CERPs!!

- ❖ Community cohosts
- ❖ Committee member presentations
- ❖ Community testimonials



# Community-Driven Efforts to Develop the CERPs

## CERP Development

AQ  
Priorities

Strategies,  
Metrics



Actions,  
Steps

## CERP Actions

- 49 actions (approx. 160 steps) across the 3 CERPs
- 28 are emission reduction actions
- Each action includes:
  - Suite of strategies
  - Steps
  - Timeline/milestones
  - Metrics to track progress
  - Collaborating entities

- Plans are flexible to adapt to new information

# New Efforts and Approaches in the CERPs



## Rules and Regulations

- 7 new South Coast AQMD rule efforts
- 8 regulations to be considered by CARB
- Increased engagement and ISR efforts (e.g. Working Group meetings in communities)



## Collaboration

- Community-led monitoring
- Agency collaborations on permit cross-checks, trucking regulations, public communication



## Enforcement

- Focus on areas identified by the communities
- Improved communication for complaint response



## Public Information and Outreach

- Small business outreach to increase compliance
- School-based programs



## Incentives

- Focused efforts to generate incentive proposals in these communities
- Use technology to identify older trucks for incentive programs (e.g. ALPR)

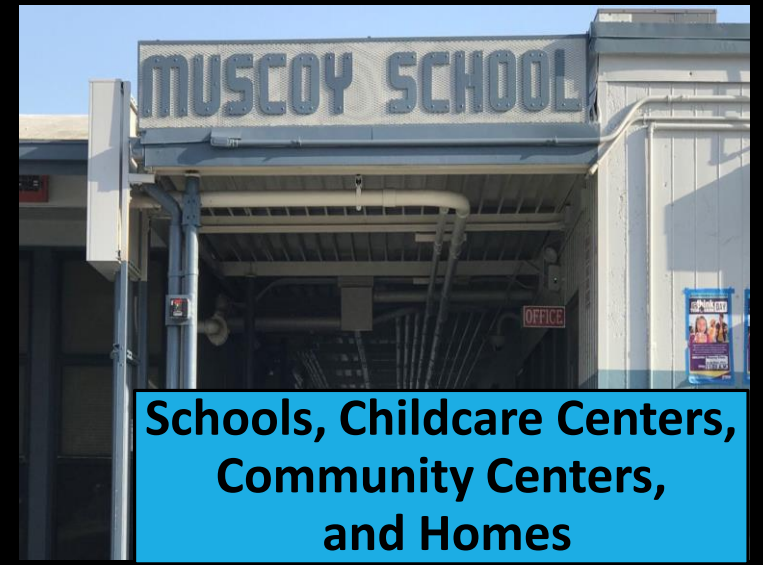


## Air Monitoring

- Advanced monitoring technologies to provide new, purposeful data
- Data will inform compliance efforts and provide public information



# San Bernardino, Muscoy Air Quality Priorities & Actions Overview



# Actions to Reduce Mobile Source Emissions

## San Bernardino, Muscoy community

### Neighborhood Truck Traffic

#### Truck Idling

- Enforcement sweeps
- Outreach for idling truck reporting

#### Truck Emissions

- Incentive funds
- Targeted outreach
- Regulations: CARB Advanced Clean Truck Rule, Heavy Duty Low NOx Rule, and Heavy Duty Inspection and Maintenance

#### Identify Older Trucks for Incentive Programs

- ALPR systems



CSC members

### Railyards

#### Railyard Emissions

- Railyard ISR development
- CARB requirements
- Incentive projects
- ZE infrastructure



CSC members

### Omnitrans Bus Yard

#### Air Monitoring and Follow-Up

- Identify and address potential emissions

#### Support Transition to Zero-Emission Buses

- Letters of support

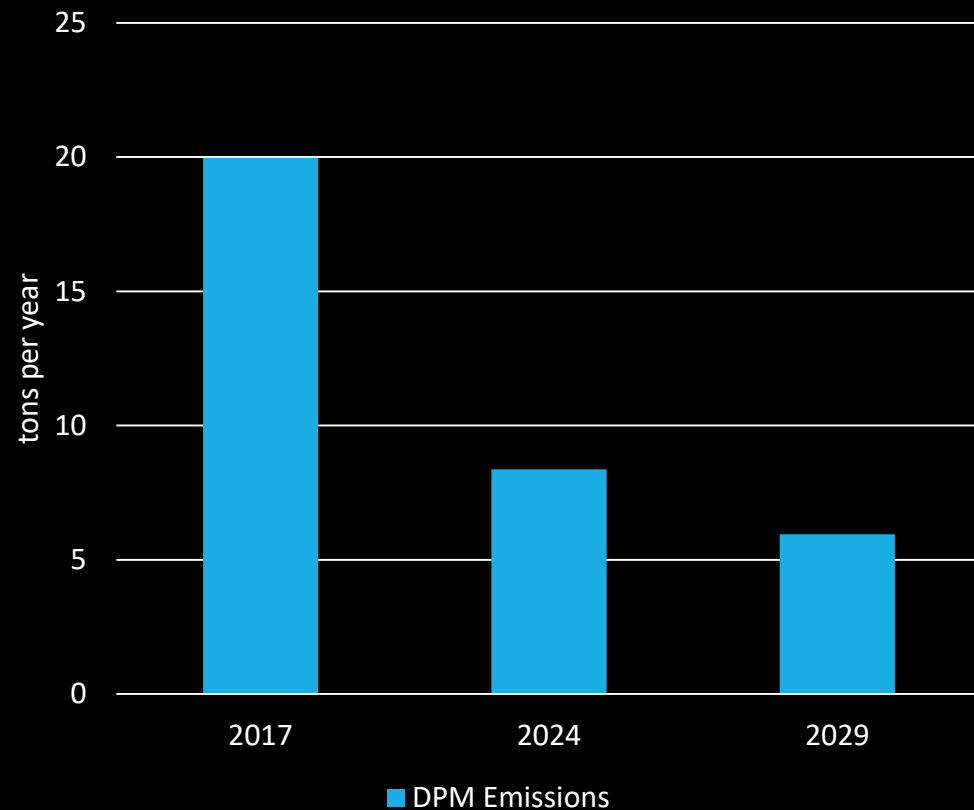




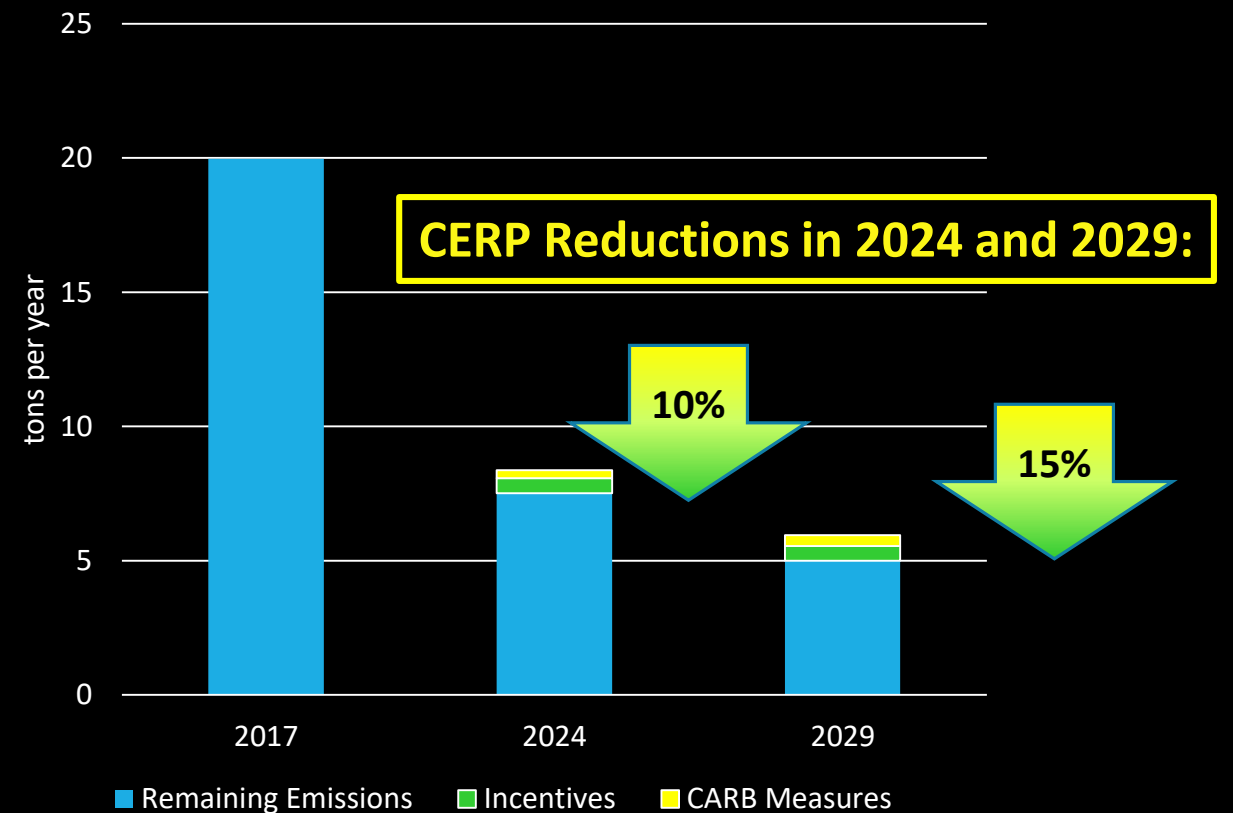
# Mobile Source Emissions Reduction Targets

## San Bernardino, Muscoy community

### BASELINE



### WITH CERP (SOUTH COAST AQMD AND CARB ACTIONS)



# Actions to Reduce Stationary Source Emissions

## San Bernardino, Muscoy community

### Warehouses

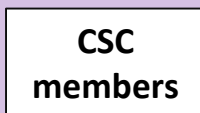
#### Enhance local land use policies

- Discuss buffer zones, warehouse design, truck routes

#### Develop Proposed Indirect Source Rule for Warehouses

#### Support Zero-Emission Infrastructure

- Work with Southern California Edison to install electric utility infrastructure



### Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants

#### Reduce potential fugitive emissions (dust, PM, odors)

- Air monitoring and follow-up inspections
- Outreach to operators
- Enforcement actions as needed



### Metrics to Track Progress

- Rule development progress and associated emissions reductions
- Focused enforcement efforts in the community
- Air monitoring/measurements to track specific pollution levels

# Actions to Reduce Stationary Source Exposure

## San Bernardino, Muscoy community

### Schools, Childcare Centers, Community Centers, and Homes

#### Public Outreach

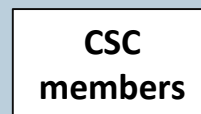
- School-based programs
- Asthma management programs (Breathmobile)

#### Air filtration systems

- Schools, Childcare Centers, and Community Centers

#### Exposure reduction at Homes

- Weatherization
- Home filtration systems



### Metrics to Track Progress

- Outreach events completed, by type
  - Participation & feedback
- Air filtration systems implemented
- Home weatherization or filtration systems implemented

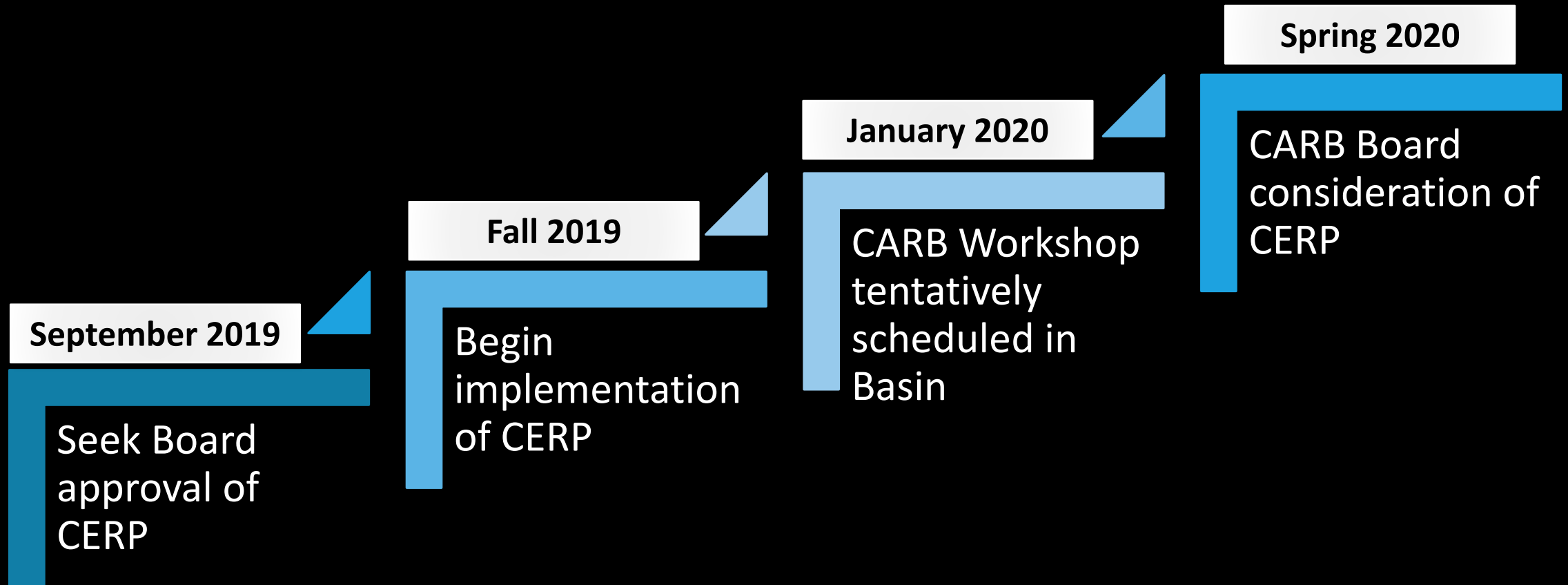
# Comments Received

---

Comment	Status
Targets and Baseline	<ul style="list-style-type: none"><li>• CERPs identify key sources of emissions for each community, and baseline emissions</li><li>• Staff has quantified emission reduction targets based on CERP actions</li><li>• Although not yet quantified, CERP actions reduce fugitive emissions, and progress will be tracked</li></ul>
Health Study	<ul style="list-style-type: none"><li>• CERP focuses on emission reductions, which will provide benefits to public health</li><li>• To address desire for additional health improvements, there are additional actions toward improving public health, e.g. asthma management programs</li><li>• Community health study is costly and may not show the long term health benefits associated with the emission reductions in the CERP</li><li>• Health studies are outside scope and resources of CERP process</li></ul>

# Next Steps for San Bernardino, Muscoy Community Emissions Reduction Plan (CERP)

---



# Staff Recommendations



- Determine that the Community Emissions Reduction Plan for the San Bernardino, Muscoy is exempt from CEQA
- Adopt the Community Emissions Reduction Plan for San Bernardino, Muscoy

BOARD MEETING DATE: September 6, 2019

AGENDA NO. 25B

**PROPOSAL:** Determine That Community Emissions Reduction Plan for East Los Angeles, Boyle Heights, West Commerce Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plan Per Assembly Bill 617

**SYNOPSIS:** Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, and a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs.

**COMMITTEE:** Stationary Source, July 26, 2019, Reviewed

**RECOMMENDED ACTIONS:**

1. Determine that the Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, West Commerce community is exempt from the requirements of the California Environmental Quality Act; and
2. Adopt the AB 617 Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, West Commerce community.

Wayne Natri  
Executive Officer

## Background

California law known as Assembly Bill (AB) 617 established new requirements for improving air quality in California communities heavily impacted by air pollution. AB 617 requires a statewide strategy with focused actions for communities heavily impacted by air pollution. These actions include developing community air monitoring plans (CAMPs) and/or community emissions reduction plans (CERPs) to reduce emissions of toxic air contaminants (TACs) and criteria pollutants.

In 2018, the California Air Resources Board (CARB) adopted the Community Air Protection Blueprint (Blueprint) to guide the development (e.g., public process), content, and implementation of CAMPs and CERPs. An overview of the process to develop these documents as described in the CARB Blueprint is provided in Figure 1 – Overview of Community Emissions Reduction Program Process.

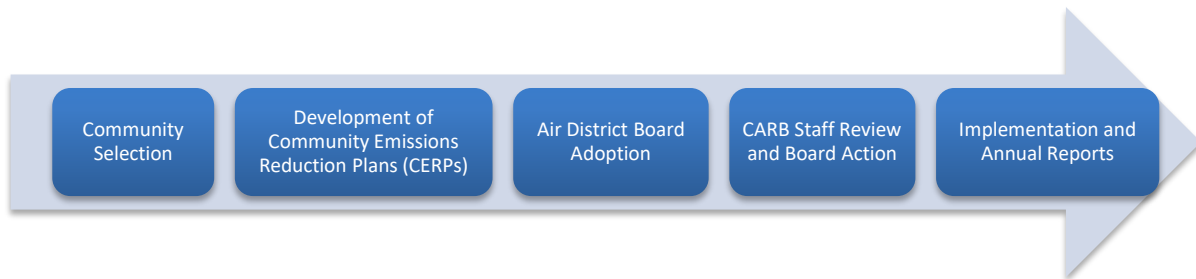


Figure 1: Overview of Community Emissions Reduction Program Process

On September 27, 2018 CARB designated three Year 1 communities within the South Coast AQMD for preparation of a CAMP and CERP for each community. The three communities designated by CARB were: 1) Wilmington, Carson, West Long Beach; 2) San Bernardino, Muscoy; and 3) East Los Angeles, Boyle Heights, West Commerce. The AB 617 statute directs air districts to adopt CERPs within one year of the CARB designation.

## Public Process

*Community Steering Committees, Technical Advisory Group, and Public Outreach*  
Beginning October 2018, staff implemented a community-focused process to develop draft CERPs that focus on the air quality priorities for each Year 1 community. The cornerstone of this process was the formation of a Community Steering Committee (CSC) for each community. The East Los Angeles, Boyle Heights, West Commerce CSC is made up of active residents, community leaders, local business owners or workers, labor unions, community organizations, local agencies, schools, universities, hospitals, and elected officials. The CSC provided their input and guidance based on community expertise that was instrumental to developing the CERP. CSC members also conducted their own community-level outreach to additional members within the community who may not have been able to attend our meetings. Since October 2018, a total of nine CSC meetings were held in each of the three communities, and approximately 50 to 100 people attended each meeting.



In February 2019, the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution, air monitoring and other technical analysis needed to develop the CAMPs and CERPs. Examples of topics discussed at TAG meetings are monitoring equipment, laboratory capabilities, and methodologies for developing emissions inventories. The TAG met in February, May, and July 2019.

In addition to the CSC and TAG meetings, staff held community workshops, and individual meetings with residents, community leaders, stakeholders, and public officials to enhance community participation and input in the development of the CERP. South Coast AQMD staff also created a community webpage to post updates and information about the development of the CAMPs and CERPs.

### **Proposal**

Staff is recommending adoption of the CERP for the San Bernardino, Muscoy community. Through the CSCs and public participation at the community meetings, this community identified their highest priority air quality issues based on local sources of air pollution. The CSC worked with staff to develop a set of actions to be implemented by South Coast AQMD, in collaboration with other government agencies, organizations, businesses, and other entities. Each action is to be carried out based on a set of strategies with goals and timelines to reduce emissions or exposure. The entity (e.g., government agency, organization, or business) responsible for the actions is also identified. Some actions will be conducted within the timeframes specified in the plan, while other activities such as rules would continue to apply and be enforced beyond the implementation period of the plan.

The AB 617 Year 1 communities share some common air quality priorities that are primarily driven by the movement of goods throughout the region. For example, each CSC identified air pollution from trucks and equipment used at railyards as a community air quality priority. The need for prioritizing air pollution from these sources is not surprising, given that mobile sources are the overwhelming source of diesel particulate matter in these communities, which is the predominant contributor to air toxics cancer risk. The major diesel sources in this community include heavy-heavy duty trucks, medium-heavy duty trucks, light-heavy duty trucks, off-road diesel equipment, and trains. Additionally, the communities expressed concerns about locations where children and populations who are more vulnerable to the effects of air pollution as an air quality priority for exposure reduction efforts.

This CERP is tailored to address the air quality priorities identified by this community. The actions to address the air quality priorities in the East Los Angeles, Boyle Heights West Commerce community are summarized below.

### *Air Quality Priorities*

The East Los Angeles, Boyle Heights West Commerce community identified mobile sources such as trucks, cars, and railyard equipment as the top community air quality priority. Other air quality priorities identified by the CSC include metal processing facilities, rendering facilities, and auto body shops. In addition, schools, childcare centers, libraries, and public housing projects were priorities for exposure reduction efforts. The community also cited general concerns about industrial facilities in the community, including waste transfer stations. Notable actions in the CERP for this community include: using traffic information and new technology (e.g., automated license plate readers) to identify older heavy-duty diesel trucks for incentive opportunities, reducing emissions from metal processing facilities through small business outreach efforts, providing the CSC with updates about inspections at rendering facilities, conducting air monitoring to support emission reduction strategies for auto body shops, working with land use agencies to verify facility permits and develop enhanced permit requirements, replacing older diesel-fueled equipment with cleaner technologies at railyards, and reducing children's exposure to harmful air pollutants by working with local schools to install high efficiency filtrations systems.

### **Key Issues**

#### *Emission Reduction Targets*

The CERP outlines a list of actions to address the air quality concerns prioritized by the CSC in this community. Some CSC members indicated that the CERP lacks quantifiable emission reduction targets and metrics, and strongly emphasized the importance of including metrics for emission reductions that can be quantified. Staff estimated emission reduction targets resulting from mobile source incentive projects to be 40 to 50 tons per year (tpy) of NO<sub>x</sub> and 0.5 to 0.6 tpy of diesel PM based on historical data of past projects which replaced older diesel equipment with cleaner models. Additionally, CARB has committed to considering amendments to their rules and regulations to address the air quality priorities in this community. CARB's future Advanced Clean Car 2 Rule, Advanced Clean Truck Rule, Heavy-Duty Low NO<sub>x</sub> Rule, and the Heavy-Duty Inspection and Maintenance Rule are estimated to reduce an additional 332 tpy of NO<sub>x</sub>, and 0.9 tpy of diesel PM by the year 2029. The overall NO<sub>x</sub> and diesel PM emission reduction targets for this community are 143 tpy of NO<sub>x</sub> (8% reduction) and 1.2 tpy of diesel PM (9% reduction) by 2024, and 377 tpy NO<sub>x</sub> (20% reduction) and 1.4 tpy diesel PM (13% reduction) by 2029.

Other emission reductions outlined in the CERPs may be achieved through rule development and enhanced enforcement efforts. Other actions that are expected to result in emission reductions, but cannot be quantified at this time include fugitive dust emissions from metal processing facilities and rendering facilities.

### *Health Metrics and Outcomes*

Some CSC members have requested use of health metrics and outcomes as a tool to measure success from emission reductions under the AB 617 program. Such metrics are not, however, required or advisable. The primary metrics identified in the Blueprint focus on ways of measuring the reduction of emissions. The Blueprint recommends use of monitoring and/or modeling data. To the extent additional metrics are identified in the Blueprint, they include tracking the status of rules, the dollar amount invested in incentives, the number of various types of actions, including projects implemented, enforcement actions taken, public meetings held in community, interactions with public officials, trainings, outreach, workforce development, and technical capacity-building. (See Community Air Protection Blueprint, Appendix C, p. C33-C35.) All of these metrics are more appropriate because they focus on items that are quantifiable and specifically tied to CERP actions. In comparison, a health metric cannot measure the success of CERP actions taken to reduce emissions because there are many factors which contribute to health outcomes and cumulative public health burdens. Moreover, short-term health benefits are difficult to assess, especially with the information that is available. One would need to conduct a study to establish a health baseline and track improvements over time. Such studies are costly and may not show the long-term health benefits achieved from the emission reductions in the CERP.

Although it is not currently feasible to use health metrics and outcomes as tools for measuring the success of the CERP, health data has been a critical part of this process. South Coast AQMD used health data in the prioritization of communities for the implementation of community plans. Health data also informed various policy decisions, including CARB's decision to focus on toxic air contaminants and PM2.5. The CERP will have positive impacts on public health, for example, by reducing emissions of diesel particulate matter, which is the primary contributor to air toxics cancer risk in the community. In addition, to bring further public health benefits to the community, the CERP includes actions to partner with local health organizations for direct public health interventions, such as asthma management programs. Similarly, the CERP includes actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program. The CERP also includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to school, childcare centers, and at community events. Finally, when CARB received a comment asking it to include tracking of health indicators, it did not agree that such tracking was appropriate. Instead, it too responded with information on the *other* ways that health data would be incorporated into the program. CARB declared: "Reducing emissions and improving air quality in overburdened communities will lessen the cumulative impacts that air pollution has on public health." (See CARB Summary of Comments – Community Air Protection Program, <https://ww2.arb.ca.gov/summary-comments-community-air-protection-program>.)

### **California Environmental Quality Act (CEQA)**

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the CERP, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. The proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because it is designed to protect or enhance the environment. Further, the CERP contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. Additionally, the CERP may result in some minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures. The CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. The CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA. A Notice of Exemption has been prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

### **Implementation Plan/Schedule**

Implementation of the East Los Angeles, Boyle Heights West Commerce CERP is anticipated to begin in the third quarter 2019. CARB staff will begin reviewing and evaluating each CERP as soon as the third quarter 2019 and is expected to hold at least one public workshop in the South Coast AQMD prior to the CARB Board's consideration of each of the CERPs. CARB has scheduled a public hearing to approve the CERPs for March 16, 2020. The implementation of this CERP is to take place over approximately five years.

**Benefits to South Coast AQMD**

Implementation of the East Los Angeles, Boyle Heights West Commerce CERP will help advance our mission to reduce air pollution at a community scale, especially in the most impacted and disadvantaged communities within South Coast AQMD's jurisdiction. The East Los Angeles, Boyle Heights West Commerce CAMP and CERP will serve as statewide models for AB 617 Year 2 implementation and beyond. Additionally, emissions reductions achieved through implementation of the CERP will provide emission reduction co-benefits toward achieving state and national air quality standards.

**Resource Impacts**

South Coast AQMD received \$10.8 million for the initial implementation of AB 617 and \$20 million for the first year of this program. In addition, the Community Air Protection incentive funds will be used toward implementing associated incentive projects. In 2019, South Coast AQMD received \$85,570,000 in total grant funding through the Community Air Protection funds, which includes 6.25% administrative funds.

The anticipated resource needs for South Coast AQMD's ongoing implementation of AB 617 is \$30.7 million per year. This assumes that two to three new communities are added each year, and each community program lasts approximately five years with a maximum of 14 communities in the program simultaneously. There is no increase in the funding level for Year 2. Staff continues to work with the California state legislature to set aside sustained funding for AB 617 statewide. In June 2019, the Board approved an increase in toxics fees, which will help to provide resources for air toxics programs at South Coast AQMD, including but not limited to AB 617 toxics-related efforts.

South Coast AQMD budget impacts for future years are dependent on the number of communities that are designated, and the amount of funding allocated by the legislature to support AB 617 implementation by the local air districts. Staff will be vigilant in monitoring all AB 617 related expenditures to ensure efficient use of resources and will use its experience and insights to plan and forecast future expenditures.

**Attachments**

- A. Infographic and Summary Table of the East Los Angeles, Boyle Heights, West Commerce CERP
- B. Community Emissions Reduction Plan: East Los Angeles, Boyle Heights, West Commerce
- C. Response to Comments
- D. Resolution
- E. Notice of Exemption
- F. Board Meeting Presentation





# AB 617 Community Emissions Reduction Plan for East LA, Boyle Heights, West Commerce

The Community Emissions Reduction Plan (CERP) reflects the community's air quality priorities and brings new improvements to air quality in the East LA, Boyle Heights, West Commerce community.

## How much air pollution will this Plan reduce?

The CERP will reduce pollution from trucks, cars and other mobile sources. Specifically, the CERP target reductions for mobile source emissions are:

	By 2024	By 2029
NOx	143 tpy (~8% reduction)	377 tpy (~20% reduction)
Diesel PM	1.2 tpy (~9% reduction)	1.4 tpy (~13% reduction)
tpy = tons per year		



The CERP will also reduce air pollution in other ways that are not yet quantifiable. This includes actions to conduct truck idling enforcement, replace older polluting cars with cleaner models, reduce fugitive emissions from certain facilities, and develop Indirect Source Rules for Warehouses and Railyards. The CSC and staff will track progress on these actions, along with the emission reductions.

## How will this Plan benefit the East LA, Boyle Heights, West Commerce community?

### Incentive Funds

To accelerate replacement of old dirty trucks and cars with cleaner technologies.

### Focused Enforcement

To ensure rules are being followed, especially in the priority areas identified by the community.

### New Rule Development

To reduce emissions from mobile sources, which are the main contributors to air toxics in this community.

### Inter-agency Work

To work with land use agencies to develop policies that reduce the impact of air pollution sources on residents.

### School Programs

To reduce the indoor levels of air pollution that children are breathing at school.



# What actions are in this Plan?

## Neighborhood & Freeway Traffic (Trucks and Cars)

- Idling truck sweeps and truck enforcement in priority areas
- Install "no idling" signs (work with cities & county)
- Incentive funds for cleaner trucks and cars
- Use data and new technology to help target incentive funding
- Develop Indirect Source Rules, Drayage Truck Rule, Advanced Clean Truck Rule, and Heavy-Duty Low NOx Rule



## Railyards

- Develop Indirect Source Rule for Railyards, Drayage Truck Rule, TRU Regulation, CHE Rule
- Work with CARB to consider new requirements on locomotives
- Work with railyards to replace diesel equipment with cleaner technologies
- Work with local utilities to encourage zero-emission infrastructure

## Metal Processing Facilities

- Air measurements and inspections to identify potential toxic metal emissions or violations
- Outreach to businesses on best practices, rule requirements, and potential incentives



## Autobody Shops

- Outreach to operators on best practices and rule requirements
- Focused air measurements and inspections to identify potential emissions or violations
- Work with LA City Fire Department to provide fire safety information and identify any unpermitted shops

## Rendering Facilities

- Outreach to the community on Rule 415 requirements
- Respond to odor complaints and provide feedback to CSC
- Focused air measurements and facility inspections



## Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects

- Clean Air Ranger Education (CARE) and Why Air Quality Matters (WHAM) programs at local schools
- Outreach and asthma programs (partner with AltaMed and COFEM)
- Air filtration systems



## General Concerns about Industrial Facilities



- Improve FIND tool and conduct community training
- Improve awareness on how to file air quality complaints
- Identify unpermitted businesses and develop land use guidelines for reducing air pollution impacts from facilities (work with land use agencies)
- Work with LA County Regional Planning to develop Green Zones ordinance
- Air measurements and inspections at waste transfer stations

More details provided in CERP documents on this webpage:  
[www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/east-la](http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/east-la)

THANK YOU!

The South Coast AQMD staff thank the East Los Angeles, Boyle Heights, West Commerce community members for their tireless efforts in developing this CERP.

## East Los Angeles, Boyle Heights, West Commerce AB 617 Community Emissions Reduction Plan - Actions

		CERP Action Summary			Strategies						Key Entities			
Air Quality Priority	Action	Reduce Exposure	Reduce Emissions	Key Pollutant Type(s)	Regulations	Incentives	Enforcement	Public Info and Outreach	Air Monitoring	Collaboration	Others			
														
Neighborhood and Freeway Traffic from Trucks and Cars	<b>Action 1:</b> Reduce Truck Idling (e.g. enforcement, idling sweeps)		●	Diesel PM, NOx			●	●	●	●	●	●	●	CSC members
Neighborhood and Freeway Traffic from Trucks and Cars	<b>Action 2:</b> Reduce Emissions from Heavy-Duty Trucks (e.g. incentives, truck routes, FBMSM, CARB rule development)		●	Diesel PM, NOx	●	●	●	●		●		●	●	City of LA, County of LA, City of Commerce, CSC members
Neighborhood and Freeway Traffic from Trucks and Cars	<b>Action 3:</b> Utilize Existing Traffic Information and New Technology to Identify Older Trucks for Incentive Programs		●	Diesel PM, NOx		●		●	●	●		●	●	City of LA, County of LA, City of Commerce, CSC members
Neighborhood and Freeway Traffic from Trucks and Cars	<b>Action 4:</b> Encourage Replacement of Older Polluting Vehicles with Cleaner Vehicles, including Zero-Emission Vehicles		●	VOC		●		●		●		●	●	City of LA, County of LA, City of Commerce, CSC members
Railyards	<b>Action 1:</b> Reduce Emissions from Railyards (e.g. development of ISR, CARB regulations, incentive projects, and work with utilities on ZE infrastructure)		●	Diesel PM, NOx	●	●			●	●		●	●	CSC members
Metal Processing Facilities	<b>Action 1:</b> Identify Areas to Conduct Air Monitoring for Fugitive Toxic Metal Emissions from Metal Processing Facilities		●	Metal air toxics			●		●			●		
Metal Processing Facilities	<b>Action 2:</b> Reduce Emissions from Metal Processing Facilities through Outreach, Best Management Practices and Incentives		●	Metal air toxics	●	●		●				●		
Rendering Facilities	<b>Action 1:</b> Reduce Odors from Rendering Facilitates		●	Odors, VOC			●	●	●	●		●		
Auto Body Shops	<b>Action 1:</b> Reduce Emissions from Auto Body Shops		●	VOC			●	●	●	●		●		LA City Fire, CSC members
Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects	<b>Action 1:</b> Reduce Exposure to Harmful Air Pollutants through Public Outreach (e.g. school-based programs, asthma management programs)	●		PM, Diesel PM, air toxics				●	●	●		●		AltaMed, COFEM
Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects	<b>Action 2:</b> Reduce Exposure to Harmful Air Pollutants at Schools, Childcare Centers, Community Centers, Libraries	●		PM, Diesel PM, air toxics				●		●		●		LAUSD, cities and county
Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects	<b>Action 3:</b> Reduce Exposure to Harmful Air Pollutants at Homes	●		PM, Diesel PM, air toxics		●		●				●		
General concerns about industrial facilities	<b>Action 1:</b> Improve Public Outreach and Accessibility to Facility Information (e.g. FIND tool)	Public information		PM, Diesel PM, air toxics				●		●		●		
General concerns about industrial facilities	<b>Action 2:</b> Improve Public Awareness about How to File an Air Quality Complaint	Public information		PM, Diesel PM, air toxics, odors				●				●		
General concerns about industrial facilities	<b>Action 3:</b> Work with Land Use Agencies to Verify Facility Permits and Develop Enhanced Permit Requirements		●	PM, Diesel PM, air toxics			●	●		●		●		LA County Regional Planning, other agencies
General concerns about industrial facilities	<b>Action 4:</b> Reduce Odors and Dust from Waste Transfer Stations		●	Odors, PM			●	●	●			●		



**SUMMARY OF CHANGES TO AB 617  
COMMUNITY EMISSIONS REDUCTION PLANS (CERPS) BASED ON COMMENTS RECEIVED**

**East Los Angeles, Boyle Heights, West Commerce CERP**

- New Additions to CERP
  - Executive Summary
    - Added summary of response to comments
  - Chapter 5b: Neighborhood and Freeway Traffic
    - Added exploration of Portable Emissions Acquisition System (PEAQs) with Automated License Plate Reader (ALPR)
  - Chapter 5g: Schools, etc.
    - Action 3, added new action for funding residential air filtration systems
  - Appendix 3a: Community Profile
    - Added list of RECLAIM and AB 2588 facilities
  - Appendix 4: Enforcement Plan
    - Added status of enforcement actions
  - Appendix: Response to Comments
    - Added response to comments
- Revisions to CERP
  - Chapter 5a: Introduction
    - Revised emission reduction targets based on CARB measures (NO<sub>x</sub>: 377 tpy, DPM: 1.4 tpy)

ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES

# COMMUNITY EMISSIONS REDUCTION PLAN

EAST LOS ANGELES,  
BOYLE HEIGHTS,  
WEST COMMERCE

Draft Final



SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



THIS PAGE IS INTENTIONALLY LEFT BLANK

# Table of Contents

## Executive Summary

Executive Summary	ES-1
The Reader's Guide to the Community Emission Reduction Plan (CERP)	ES-2
Summary of Response to Comments	ES-3

## Chapter 1: Introduction

Introduction	1-1
Purpose of the CERP	1-1
CERP Development Process and Emphasis on Community Input	1-2
About this Community	1-2

## Chapter 2: Community Outreach, Community Steering Committee, and Public Process

Introduction	2-1
Community Liaisons	2-1
Community Kick-Off Meetings	2-2
Community Steering Committee (CSC)	2-3
CSC Roster	2-3
CSC Meeting Schedule and Co-Hosts	2-5
CSC Charter	2-6
Meeting Facilitator	2-6
Social Media Report	2-7
Community Webpage	2-8
Community Bus Tour and Committee Presenters	2-10
Technical Advisory Group	2-11
Additional Community Engagement	2-13

## Chapter 3a: The Community Profile

Introduction	3a-1
Community Boundary, Air Quality Concerns, and Air Quality Priorities	3a-1
Community Air Pollution Profile and Related Data	3a-8

## Chapter 3b: Emissions Inventory and Source Attribution

Introduction	3b-1
Base Year Emissions Inventory and Source Attribution	3b-2
Stationary and Area Sources	3b-6
On-road Mobile Sources	3b-9
Off-road Mobile Sources	3b-13
Trends of Emission Changes for CAPs and TACs	3b-15
Stationary and Area Sources	3b-20
Off-road Mobile Sources	3b-24
Summary	3b-25

## Chapter 4: Enforcement Summary

Introduction	4-1
Overview of Air Quality Related Enforcement Program – Purpose and Jurisdiction	4-1
Enforcement History	4-2
South Coast AQMD Enforcement History in this Community	4-2
CARB Enforcement History in this Community	4-4
Enforcement Approach - Program Structures	4-6
South Coast AQMD's Compliance and Enforcement	4-6
CARB Enforcement's Program Structure	4-8
How the Public Helps Reduce Air Pollution	4-10
Technology	4-10
The Interagency Approach	4-12
Enforcement Considerations	4-13

## Chapter 5: Actions to Reduce Air Pollution Emissions or Exposures

5a: Overview	5a-1
5b: Neighborhood and Freeway Traffic from Trucks and Automobiles	5b-1
5c: Railyards	5c-1
5d: Metal Processing Facilities	5d-1
5e: Rendering Facilities	5e-1
5f: Auto Body Shops	5f-1
5g: Schools, Childcare Centers, Libraries and Public Housing Projects	5g-1
5h: General Concerns about Industrial Facilities, Including Waste Transfer Stations	5h-1
5i: Implementation Schedule	5i-1
5j: California Environmental Quality Act (CEQA) Analysis Summary	5j-1

## Chapter 6: Air Monitoring Summary

Air Monitoring Summary	6-1
------------------------	-----

## Appendices

Appendix 2: Community Outreach, Community Steering Committee, and Public Process _____	Appendix 2-1
Appendix 3a: Community Profile _____	Appendix 3a-1
Appendix 3b: Source Attribution _____	Appendix 3b-1
Appendix 4: Enforcement Plan _____	Appendix 4-1
Appendix 5d: Metal Processing Facilities _____	Appendix 5d-1
Appendix Response to Comments _____	Appendix RTC-1

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# EXECUTIVE SUMMARY

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Executive Summary

This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC), the South Coast AQMD, and the California Air Resources Board (CARB), to reduce air pollution in the East Los Angeles, Boyle Heights, West Commerce community. An essential piece of the Assembly Bill (AB) 617 program is the partnership and collaboration with the community to ensure that the CERP addresses the community's air quality priorities. At the center of these efforts is the CSC that was established, in part, to participate in the development and implementation of these plans. The CSC is a diverse group of people who live, work, own businesses, and/or attend school within the community. Local land use agencies, local public health agencies, local healthcare providers, and representatives from local universities and elected officials who serve the community are also part of the CSC. CSC members provided guidance, insight, critique, and community wisdom, all of which were elements in the development of the CERP. The CERP is a critical part of implementing AB 617, which is a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. The AB 617 program aims to invest new resources and conduct focused actions in these communities to improve air quality as a step toward environmental equity.

The East Los Angeles, Boyle Heights, West Commerce community identified the following air quality priorities to be addressed by this plan:

- Neighborhood and freeway traffic (trucks and automobiles)
- Railyards
- Metal processing facilities
- Rendering facilities
- Auto body shops
- Exposure reduction for sensitive populations in schools, childcare centers, libraries, and housing projects
- General concerns about industrial facilities, including waste transfer stations

At its core, this plan seeks to address the identified priorities with actions that reduce air pollution emissions from sources within this local community as well as reduce air pollution exposures to the people in this community. This plan includes targeted actions using many complementary strategies, including developing and enforcing regulations, providing incentives to accelerate the adoption of cleaner technologies, and conducting outreach to provide useful information to support the public in making informed choices. Additionally, air monitoring strategies will be used to help provide critical information to help guide investigations or provide public information. Collaborative efforts with other agencies, organizations, businesses, and other stakeholders will amplify the impact of these actions. Many of the actions will only be conducted during the timeframe of this plan; however, there are also many actions (such as regulation, ongoing enforcement activities, and certain incentive programs) that will be ongoing activities conducted by South Coast AQMD.

This plan ~~focuses on~~ seeks to bring real air quality improvements ~~improving air quality~~ in the East Los Angeles, Boyle Heights, West Commerce community, through ~~concentrated~~ focused efforts and community partnerships. The CSC will continue to be engaged throughout the process of implementing the CERP and tracking its progress.

### The Reader's Guide to the CERP

The opening chapters provide background information about the AB 617 program and timeline (Chapter 1), the CSC process and community engagement (Chapter 2), and information about the air pollution sources in the community (Chapter 3).

Information about past and ongoing enforcement activities conducted by both the South Coast AQMD and ~~the~~ CARB enforcement staff are described in Chapter 4. This information will provide insights into enforcement going forward.

The specific actions to be implemented are described in Chapter 5 – Actions to Reduce Community Air Pollution. This chapter is organized by air quality priority area, and the strategies proposed for each priority area are presented in the CERP action templates. Within each CERP action, the responsible entities are identified, along with the timeframe and goals for implementing the proposed action. The CERP actions are numbered in the order in which they are presented in each section. Chapter 5 also includes a California Environmental Quality Act (CEQA) analysis based on the proposed actions within this plan.

A summary of the air monitoring approach is included in Chapter 6. These efforts are described in much greater detail in the Community Air Monitoring Plan (CAMP),<sup>1</sup> which serves as the sister document to the CERP. The actions described in Chapter 5 include specific air monitoring activities, as they relate to specific actions in the CERP. The CAMP describes the overall air monitoring approach to address the community air quality priorities. Findings from air monitoring will help to evaluate next steps, and South Coast AQMD staff will work with the CSC to review findings and make necessary adjustments.

The ~~Appendices~~ Appendix to the CERP will include additional reference material related to the CERP content.

### References






---

1. South Coast AQMD, Community Air Monitoring Plan for East Los Angeles, Boyle Heights, West Commerce, <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/elabhw-camp.pdf>, Accessed July 16, 2019.






## Summary of Response to Comments






The CSC, South Coast AQMD, and CARB closely collaborated to develop the East Los Angeles, Boyle Heights, West Commerce CERP. Development of the CERP occurred over a year-long process that included 9 CSC meetings, 3 Technical Advisory meetings, 2 Community Workshops, and over 25 individual meetings. The South Coast AQMD staff received over 200 comments from industry trade organizations, businesses, government agencies, community residents, environmental organizations, and other entities for the CERP. The table summarizes each comment and identifies if the commenter's request is included (●) or not included (◆) in the CERP. The table also provides a brief staff response that explains where requests that are included in the CERP can be found or why the request was not included. More detailed responses to comments can be found in Appendix RTC of the East Los Angeles, Boyle Heights, West Commerce CERP.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
<b>General Questions or Concerns on the CERPs</b>				
i	The CERP should have a clear plan for ongoing community engagement (minimal outreach events planned) during the implementation period of CERP actions	Cristin Mondy (Los Angeles County Department of Public Health)	●	The CERP describes more than 25 outreach events or outreach actions in this community, through the approximately 5 year timeframe for implementation. The vast majority of these events have a very specific purpose, such as outreach to specific types of businesses, or community training on how to use the FIND tool. These outreach actions are described in Chapters 5b, 5d, 5e, 5f, 5g, 5h, including information about the type of outreach, target audience, and purpose. Staff will also work with community-based organizations and the CSC to provide information to community members. In addition, staff will provide CSC members updates on upcoming working group meetings (open to the public) for new rules and

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
				amendments to existing rules that cover metal processing facilities to encourage community participation in the process.
ii	CERP lacks emission projections or reduction targets and baseline values.	Christopher Chavez (Coalition for Clean Air), Jill Johnston (University of Southern California)		Baseline emissions are provided in Chapter 3b (Source Attribution Analysis), and emission reduction targets are provided in Chapter 5a.
iii	Emission reductions should meet the State Implementation Plan (SIP) creditable criteria. However, emission reductions that do not meet these criteria should not be excluded	Christopher Chavez (Coalition for Clean Air)		South Coast AQMD staff continues to pursue a suite of actions to achieve emission reductions, including some that meet SIP creditable criteria, and some that do not meet the criteria but are equally important to reducing emissions in this community.
iv	CERP relies on incentive funding and does not assign responsibilities to polluters	Christopher Chavez (Coalition for Clean Air)		Incentive funding is only provided to projects that reduce emissions above and beyond current rule requirements. The CERP uses a suite of strategies to address the air quality priorities, including regulation, enforcement, incentives, and other strategies. Any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those entities subject to the rules and regulations.






#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
v	CERP does not mention BARCT requirements	Christopher Chavez (Coalition for Clean Air)	●	<p>RECLAIM NOx facilities, which are typically larger emitting facilities, will transition to a command-and-control regulatory structure to meet BARCT and Appendix 3a identifies nine RECLAIM facilities in this community.</p> <p>Before facilities can transition out of RECLAIM, a corresponding command-and-control rule for each piece of equipment is needed. As a result, the South Coast AQMD staff is conducting a BARCT assessment for all NOx rules that are part of the RECLAIM transition. If the BARCT assessment lowers the NOx emission limit in an existing command-and-control rule, non-RECLAIM facilities will also be impacted and will need to make further emission reductions. The BARCT assessment for a number of NOx proposed and proposed amended rules is still currently being conducted and the list of affected non-RECLAIM facilities is not currently known.</p>
vi	Implement and provide updates on the Facility Based Measures and Indirect Source Rules (ISR)	Christopher Chavez (Coalition for Clean Air)	●	Staff will continue to develop the proposed ISRs for warehouses and railyards and provide updates to the CSC. Staff encourages CSC members to participate in the rule development process.
vii	To what degree will NOx and PM emissions be reduced from the CERP?	Dr. Brian Johnston (White Memorial Medical Center)	●	Chapter 5a mentions annual emission reduction estimates of 377 tons for NOx and 1.4 tons for diesel PM in the ELABHWC community based on actions taken by CARB and South Coast AQMD. This represents a 20% and 13%







#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
				reduction in annual emissions of NOx and PM, respectively, by 2029 in the ELABHWC community.
viii	Why is NOx monitoring not occurring at Resurrection Church and what is the frequency of mobile monitoring events?	Veronica Polanco (Active Resident - Boyle Heights)		Nitrogen oxides are now being monitored at Resurrection Church and the data is available online. Also, as described in the CAMP, South Coast AQMD has a continuous, long-term NOx monitoring station immediately north of the community boundary. Mobile air monitoring is being conducted one to two times each week (effective July 1, 2019).
ix	Elaborate on the siting and distribution of air monitoring stations to ensure adequate coverage.	Wendy Gutschow (Keck School of Medicine)		Current air monitoring efforts by South Coast AQMD are being used to guide where future fixed-monitoring stations will be located within the ELABHWC community. Continuous, long-term monitoring is occurring just north of the community boundary and around the now-closed Exide Technologies plant as well as at Resurrection Church.
x	Future air monitoring efforts should be focused on pollutants with emission reduction targets in the CERP	Jennifer Lahoda (Boyle Heights Chamber of Commerce)		The air monitoring efforts will include measurements to help estimate diesel PM levels, which is one of the emission reduction targets described in Chapter 5a. In addition, air measurements will include pollutants that are associated with the air quality priorities (e.g. metals from metal processing facilities, VOCs from auto body shops). Since the CSC prioritized reducing emissions from those facilities, these air monitoring efforts are pertinent to tracking progress in the CERP. Moreover, the Fixed Monitoring section of the CAMP mentions future






#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
				monitoring efforts will be made in consultation with CSC members and members of the community.
xi	Actions to reduce emissions should be based on technical review of sources contributing to community-level exposures	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)		The source attribution analysis is included in Chapter 3b and identifies the baseline emissions and the source contributors to this community. The analysis supports the actions to address the sources prioritized by the CSC.
xii	South Coast AQMD staff should work with all stakeholders to ensure that data collection, data interpretation and communications of results will be clear, transparent, and understandable	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB)		Staff will continue efforts to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. The AB 617 Community Air Monitoring website and its Data Display tool has launched and provides community air monitoring data.
<b>Neighborhood and Freeway Traffic from Trucks and Automobiles</b>				
i	Truck idling: increase enforcement of CARB's Truck and Bus Idling rules, ensure signage in locations prone to idling and near sensitive receptors, work with the community to identify new areas affected by truck idling, and conduct outreach on how to file a complaint	Leoda Valenzuela (COFEM)		Action 1 of Chapter 5b commits South Coast AQMD to work with cities and counties to install signage to prohibit truck idling, work with the CSC to identify locations for signage, and conduct outreach on how to file complaints. CARB and South Coast AQMD will be conducting truck idling sweeps in priority locations in the community.









#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	Improve available complaint systems to report illegal truck idling and travel on local roadways by incentivizing community member action (e.g., monetary compensation)	Leoda Valenzuela (COFEM)	◆	The CERP includes actions to maximize the effectiveness of our existing complaint system (e.g. Chapter 5b Action 1 includes commitments to provide community outreach on filing effective complaints for reporting idling trucks). However, if the existing complaint system is determined to be ineffective, we will work with the CSC to assess where improvements are needed, and what improvements are feasible.
iii	Ensure that information distributed to the public is easily accessible for different ages, languages.	Leoda Valenzuela (COFEM)	●	South Coast AQMD staff will work to provide materials and outreach in languages that are prominent in this community and in formats that are accessible to people with varying degrees of technology usage. For example, part of the community outreach on how to file air quality complaints detailed in Action 1 of Chapter 5h includes training on how to file any air quality complaints by phone (in English or Spanish), web, or mobile app.
iv	CARB's rule development process should include representation from community organizations, and should conduct focus groups to collect further feedback from the community	Leoda Valenzuela (COFEM)	●	CARB welcomes and needs representation from community organizations during its rule development process and holds a number of public workshops during the development of new or amended regulations. The AB 617 Community Air Grants are available for community groups to support their work to help increase residents' engagement in the AB 617 process.

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
v	Work with CSC to begin public information and outreach on incentives for cleaner heavy-duty trucks regardless of Automated License Plate Reader (ALPR) actions related to incentives	Leoda Valenzuela (COFEM)		Action 2 of Chapter 5b includes a commitment from South Coast AQMD to conduct outreach to truck owners and operators in the community about incentive opportunities and programs; beginning in 2020, South Coast AQMD will update the CSC and the public on the progress of these efforts. This commitment will occur regardless of ALPR actions related to incentives.
vi	Maintain transparency with the community on the general strategy to address this air quality priority, including progress of ALPR system, and outreach efforts to ensure success of incentive program	Leoda Valenzuela (COFEM)		South Coast AQMD staff will continue to maintain communication with the CSC on the CERP implementation progress, including the ALPR system, outreach events, and the incentive programs. Updates would be provided on a quarterly or biannual basis.
vii	Scrappage programs should be used to maximize emission reductions	Priscilla Hamilton (SoCalGas)		The Carl Moyer Program and Prop 1B are existing scrappage incentive programs that promote the replacement of older, higher polluting trucks, and replaces them with cleaner technology. AB 617 incentive funding follows similar guidance as the Carl Moyer program. South Coast AQMD will continue to place an emphasis on cost-effectiveness to maximize the emissions reductions to provide a local and regional air quality benefit.







#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
viii	Funding technology advancement is contrary to the purpose of AB 617 - Current year incentives should be used for available technologies	Priscilla Hamilton (SoCalGas)		The CSCs' have prioritized zero-emission technology, where commercially available and technologically feasible; technology which is not commercially available at this time for heavy-duty trucks. The development, demonstration, and commercialization of cleaner technologies helps to expedite cleaner technologies prioritized by the CSC.
ix	Incentives should prioritize technologies that can maximize emission reductions today	Priscilla Hamilton (SoCalGas)		The CERP includes actions to implement the technologies commercially available today and maximize the use of available incentive funds to ensure the greatest emission reductions. South Coast AQMD staff is working closely with CARB on lowering the heavy-duty engine standard in California and has petitioned the U.S. EPA to establish near zero-emission NOx standard for the nation.
x	Monitoring of idling trucks near warehouses should be described.	Evelyn Nuno (Field Representative for Assemblymember Cristina Garcia)		Chapter 5b of the CERP describes actions to reduce emissions from heavy-duty trucks, including conducting air measurements near warehouse clusters.
xi	Recommends incentive funds for emission reductions go towards the purchase of low-NOx trucks, prioritizing companies whose trucks travel through communities with high diesel truck traffic.	Member of the public		Chapter 5b describes strategies to reduce emissions from heavy-duty trucks, including additional and new incentive funding opportunities to replace such trucks with zero-emission technologies once they become available and near-zero emission technologies until then.

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
xii	The Portable Emissions Acquisition System (PEAQs) system and monitoring should be included in the CERP to address trucks.	Rafael Yanez (Active Resident - East Los Angeles), Evelyn Nuño (Representative for Assemblywoman Cristina Garcia)		Chapter 5b of the CERP has been updated to explore the possibility of using ALPR and PEAQS systems in the community and choose monitoring locations based on feedback from the community. Mobile air measurement efforts will take into consideration external factors such as traffic patterns and time of day when interpreting air measurement data.
<b>Railyards</b>				
i	Please add the CARB petition to develop a new locomotive standard is under review by the U.S. EPA	Marisa Blackshire (BNSF)		South Coast AQMD issued a letter of support for the petition. The U.S. EPA acknowledged receipt of the petition, but has not provided any update or plans for further action.
ii	BNSF requests that South Coast AQMD consult with railyards to develop a monitoring protocol to share insight and expertise	Marisa Blackshire (BNSF)		Staff appreciates the input from and collaboration with BNSF to develop and implement this monitoring. Staff plans to use multiple tools to conduct mobile and/or fixed monitoring outside of the BNSF facility and in the surrounding community. If monitoring is required inside the BNSF facility, South Coast AQMD staff will work with BNSF staff to coordinate these efforts.

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
iii	CERP needs to commit to a strong ISR for railyards	Christopher Chavez (CCA)		South Coast AQMD will continue to develop the ISRs in parallel to the AB 617 efforts and provide updates to the CSC on the rule development process. Details of ISR requirements will be developed in the rule development process so that all stakeholders can participate in the public process.
iv	Provide more information on enforcement actions to reduce onsite diesel emissions from railyards.	Johncito Peraza-Romero (Active Resident - West Commerce)		Chapter 5c of the CERP describes how federal laws preempt regulations curtailing emissions from locomotives put forth by state or local entities. Staff will work with CARB to provide the CSC with periodic updates on enforcement actions related to railyard emissions
v	Idling locomotives need to be addressed.	Oralia Rebollo (Councilmember of the City of Commerce)		Chapter 5c describes actions that will be conducted by CARB to reduce locomotive emissions and by South Coast AQMD to reduce emissions from railyards.
<b>Metal Processing Facilities</b>				
i	Add what actions will be taken if elevated levels of metal emissions are found and how they will be addressed	Leoda Valenzuela (COFEM)		Staff have added language in Chapter 5d Action 1 to clarify these actions. If persistent elevated levels of metal emissions are found, staff will work to determine the source of emissions. Staff may collect additional measurements, inspect nearby facilities, and/or request records from the facilities. If a facility is found to be in violation of South Coast AQMD rules, staff can take appropriate enforcement action to correct that violation (see Appendix 4).






#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	Will the results from the mobile monitoring measurements be posted online?	Evelyn Nuno (Field Representative for Assemblymember Cristina Garcia)	●	Chapter 5i gives the implementation schedule of mobile monitoring activities in the community. South Coast AQMD is currently collecting data from the air monitoring measurements which will be posted online during the fall of 2019 once a representative number of measurement days have been processed.
<b>Rendering Facilities</b>				
i	Define “expedited basis” to respond to odor complaints, sending monitoring updates to community stakeholders	Leoda Valenzuela (COFEM)	●	South Coast AQMD’s goal is to respond to complaints within two hours. The timing of the response may depend on several factors, such as whether the assigned inspector in that area needs to first finish a facility inspection before responding to the complaint. In the absence of an ongoing, high-risk investigation, such as an inspection at a known toxics facility, available inspectors will attempt to respond immediately to these complaints.
<b>Exposure Reduction (Schools, etc.)</b>				
i	Requested air filtration in homes. Are there County or state resources to purchase air filtration systems or CARB settlement funds to use towards home air filters?	Carina Sanchez (Active Resident – East Los Angeles)	●	Staff has added Action 3 in Chapter 5g for South Coast AQMD to identify existing programs or funding sources that may provide home filtration systems. South Coast AQMD does not currently have a fund that can be used to purchase home air filters.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	Add the Floricanto Performing Arts Center to the list of “Where Children Spend Time”	Carina Sanchez (Active Resident – East Los Angeles)	●	The Floricanto Center for the Performing Arts has been added to Table 3a-2 of Chapter 3a and is categorized as a location where people in this community spend time.
iii	Add locations where sensitive groups gather, such as parks to reduce exposure.	Johncito Peraza-Romero (Active Resident - West Commerce)	●	Table 5g-1 in Chapter 5g was updated in the Draft CERP to identify specific parks, libraries, and recreation centers in the community where children tend to congregate.
<b>General Industrial Facilities, Including Waste Transfer Stations</b>				
i	Limit employee cars and waste collection trucks that can visit the City Terrace Recycling & Waste Transfer Station, and process for similar facilities to become fully enclosed	Carina Sanchez (Active Resident – East Los Angeles)	◆	The City Terrace Recycling & Waste Transfer Station is permitted by CalRecycle and enforced by the County of Los Angeles Department of Public Health. The facility was also identified as an air quality concern; as outlined in the CAMP, air measurements around this facility will be collected. If measurements show elevated levels of pollutants, staff will take enforcement or other action as appropriate. South Coast AQMD implements Rule 2202 – On Road Motor Vehicle Mitigation Options, to reduce emissions from employee commute trips or provide comparable emission reductions from other sources. In addition, transfer stations and material recovery systems are subject to South Coast AQMD Rule 402 – Nuisance and Rule 410 – Odors from Transfer Stations and Material Recovery Facilities. Staff will collaborate with any facilities with similar compliance concerns and local agencies to identify measures to mitigate odors from those facilities that do not have full enclosures.

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
Other				
i	In mobile monitoring, please make sure that diesel PM is being tracked in the northern part of City Terrace	Carina Sanchez (Active Resident – East Los Angeles)		Staff plans on monitoring black carbon (an indicator of diesel PM) and other pollutants in the City Terrace area, north of the Interstate 10 (I-10) freeway based on the air quality concerns reported to South Coast AQMD staff. Please note that diesel PM itself cannot be measured directly, as it is a mixture of many pollutants.
ii	It should be mandatory for all industrial businesses to be part of the FIND database	Carina Sanchez (Active Resident – East Los Angeles)		The FIND tool includes information about all stationary sources that hold permits with the South Coast AQMD. Because our rules require these facilities to have permits, they are then included in the FIND database. Other agencies, such as those that regulate water, hazardous waste, or waste management, maintain their own databases for facilities that they regulate.
iii	Does the CERP include financial support for local industrial businesses to replace older equipment with less polluting equipment	Soyeon Choi (Los Angeles County Department of Regional Planning)		South Coast AQMD has programs that fund specific types of equipment replacement, such as dry cleaning equipment. At this time, the CERP does not include financial incentives for stationary industrial sources. If funding becomes available, staff will provide updates to the CSC.
iv	CSC member participation could be improved	Cristin Mondy (Los Angeles County Department of Public Health)		Staff will work to address challenges regarding CSC participation and attendance.



#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
v	Suggested a tax write off be incorporated to incentivize companies to reduce emissions beyond what is required. Also suggested a marketing campaign to make businesses aware about opportunities and needs to reduce emissions of certain pollutants.	Member of the public	◆	South Coast AQMD does not have the authority to give businesses a tax write-off. Staff will continue to work with the business community to increase compliance with our rules and encourage actions that go above and beyond rule requirements.
vi	Suggests that the FIND web tool list past violations and the severity of these violations.	Veronica Polanco (Active Resident - Boyle Heights); Jennifer Lahoda (Boyle Heights Chamber of Commerce)	●	The public can access the FIND tool online and search for all South Coast AQMD-regulated facilities. The tool allows the public to see any past and pending Notice of Violation (NOV) or Notice to Comply (NC) and which rule the facility has violated, but not the severity of the violation. Staff will work with the CSC to identify and implement new features in the FIND tool, to improve public accessibility to facility information.
vii	Why are emissions not displayed for many facilities in the FIND tool?	Jennifer Lahoda (Boyle Heights Chamber of Commerce)	●	South Coast AQMD has rules specifying which facilities need to report their emissions including requirements for annual reporting under the Annual Emissions Reporting program and additional requirements under the Air Toxics Hot Spots program, if applicable. These programs require reporting from facilities with typically higher levels of emissions or pose an elevated risk to the community. Staff will work with the CSC to identify and implement new features in the FIND tool, such as specifying whether a facility is required to report emissions, to improve public accessibility to facility information.

#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
viii	FIND tool should allow users to search for facilities with NOV's. Does a NOV indicate if there has been a Non Prosecution Agreement (NPA) between South Coast AQMD and a facility?	Wendy Gutschow (Keck School of Medicine)		The FIND tool does not have a feature that allows filtering of listed or displayed facilities by whether they ever have had a NOV or NC, and does include information about NPAs. Staff will work with the CSC to identify and implement new features in the FIND tool, such as filtering data on certain criteria, to improve public accessibility to facility information.
ix	How to file a complaint when searching for a business using FIND if one suspects or finds that a facility's emissions are not what is being reported to South Coast AQMD	Carina Sanchez (Active Resident - East Los Angeles)		If members of the public suspect that a facility is in violation of a South Coast AQMD rule, they can submit complaints online on the agency's website or call 1-800-CUT-SMOG and inspectors will be dispatched to the site to investigate the problem. All complaints received are entered into our internal database. If members of the public suspect that there are errors with a facility's emissions reports, they can call 1-800-CUT-SMOG and specify that they have a question regarding the emissions reports; staff will follow up on the request.
x	How will incentive funds be allocated?	Oralia Rebollo (Councilmember of the City of Commerce)		The first-year funding allocated to South Coast AQMD for the AB 617 program by the California legislature was \$107.5 million which was reduced to \$85.6 million for second-year funding. Incentive funds are allocated based on multiple factors such as where the emission reductions from a project will be located and a cost-effectiveness analysis. Incentive funds are not awarded on a per capita basis.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 1:

## INTRODUCTION

---

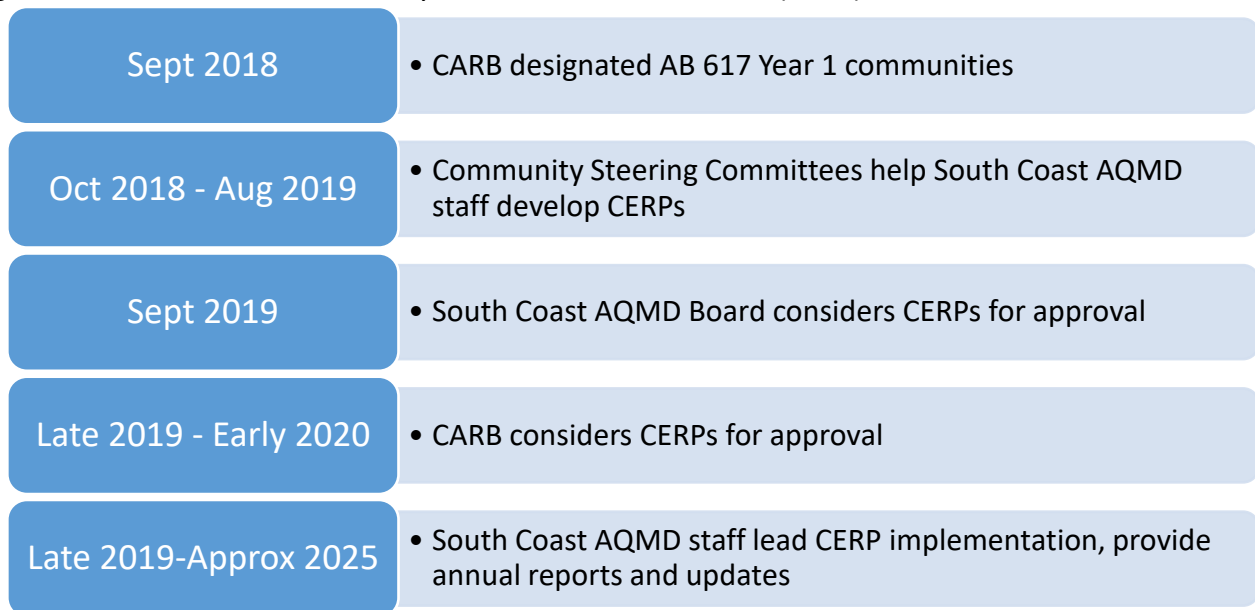
THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 1 : Introduction

Assembly Bill (AB) 617 was signed into California law in July 2017 and focuses on addressing local air pollution in environmental justice (EJ) communities. The bill recognizes that while California has seen tremendous improvement in regional air quality, some communities are still disproportionately impacted by local sources. Major local sources of air pollution in EJ communities include mobile sources (trucks, trains, ships, etc.) and industrial facilities. These communities also experience social and economic disadvantages that make people more vulnerable to the health effects of pollution. The AB 617 program provides focused action and additional resources to address air quality in these communities.

On September 27, 2018, the California Air Resources Board (CARB) designated 10 communities across the state to implement community plans for the first year of the AB 617 program. Local air districts are tasked with developing and implementing community emissions reduction and/or community air monitoring plans in partnership with residents and community stakeholders. The Community Air Monitoring Plan (CAMP) includes actions to enhance our understanding of air pollution in the designated communities, and support effective implementation of the Community Emissions Reduction Plan (CERP). For the three (3) first year AB 617 communities in the South Coast AQMD, both a CAMP and a CERP are being developed. Separate documents describe the CAMP development process and the draft plan. Information is available at [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617). Figure 1-1 gives a general overview of the CERP timeline.

Figure 1-1: Overview of Community Emissions Reduction Plan (CERP) Timeline for Year 1 Communities



### Purpose of the Community Emissions Reduction Plan (CERP)

The CERP is a plan for achieving air pollution emission and exposure reductions within the East Los Angeles, Boyle Heights, West Commerce community, and is tailored to address this community's air quality priorities. The CERP includes actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP, as well as additional elements that are relevant to developing an effective CERP. Community partnership and engagement have been crucial throughout the process.

Because the work to implement the CERP and CAMP is dynamic, certain action items have been written with built-in flexibility to allow adjustments as new information becomes available. South Coast AQMD staff is committed to working with Community Steering Committee (CSC) members to evaluate ongoing actions and progress.

### CERP Development Process and Emphasis on Community Input

Community engagement and input to inform both the process and the actions in the CERP have been a primary element of the AB 617 program. The East Los Angeles, Boyle Heights, West Commerce CSC, working with the South Coast AQMD staff, are seeking to address the community's air quality priorities through development and implementation of this CERP. In addition to public meetings, numerous conversations and communications took place among committee members, South Coast AQMD staff, individuals and small groups ~~occurred~~ to ensure that community voices were an integral part of the plan. Chapter 2 describes the CSC process and the outreach that was conducted. Throughout the process, information exchanges between all parties, including feedback and input from committee members and members of the public ensured transparency and engagement. Numerous adjustments to consolidate and incorporate feedback were made and South Coast AQMD staff continuously aims to improve community engagement on air quality issues.

### About this Community

This community includes the Boyle Heights neighborhood of the City of Los Angeles, the unincorporated community of East Los Angeles, and the western portion of the City of Commerce, all of which are located in Los Angeles County (Figure 1-2).

More than 220,000 people live within the East Los Angeles, Boyle Heights, West Commerce community (Figure 1-3). More than 95% of the people living in this community are Latino (Figure 1-4). The population in this community is younger compared to the population in the state of California, with nearly 17% of the people in this community being children under the age of 10 years, and only 9% of the population being adults over the age of 65 years (Figure 1-5). These age categories are particularly important because young children and older adults can be more sensitive to the health effects of air pollution.<sup>1</sup>

Figure 1-2: Location of the East Los Angeles, Boyle Heights, West Commerce community in the South Coast AQMD jurisdiction

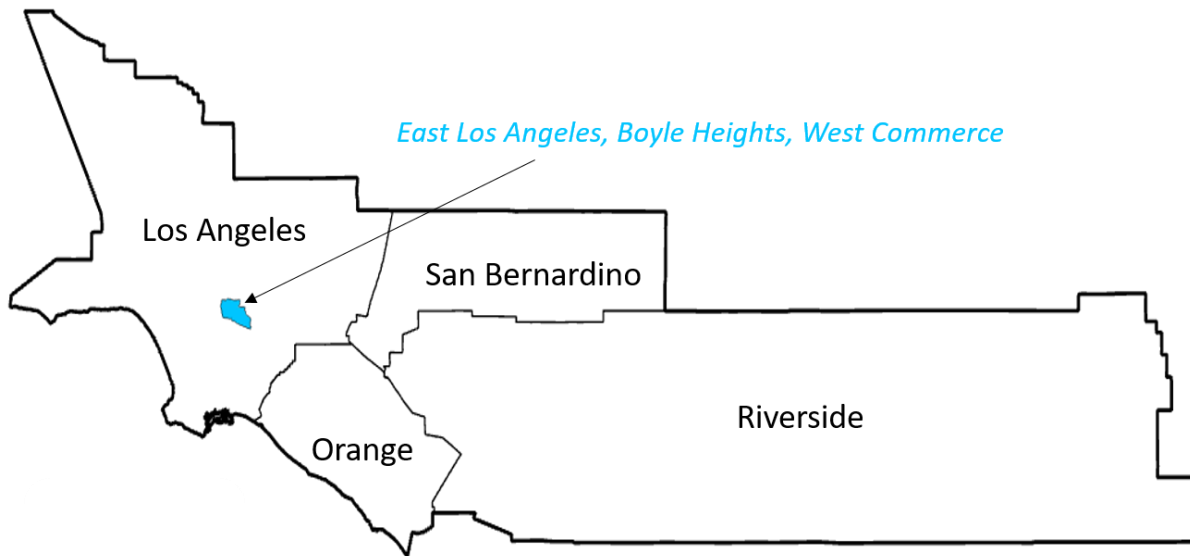


Figure 1-3: Population of East Los Angeles, Boyle Heights, West Commerce community, based on the 2010 Census

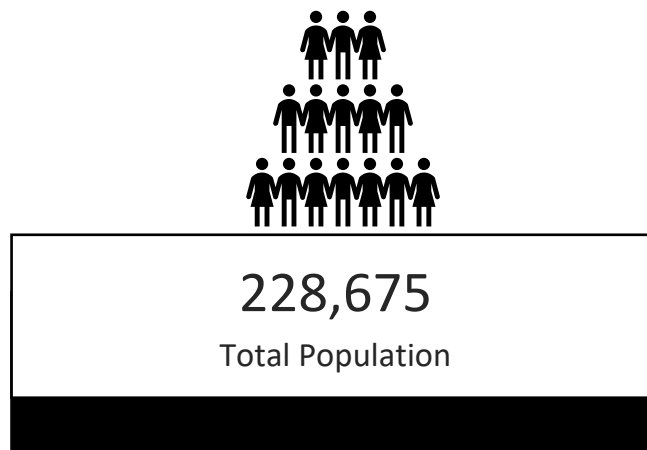




Figure 1-4: Population by Race/Ethnicity in East Los Angeles, Boyle Heights, West Commerce and the state of California, based on 2010 Census<sup>iii</sup>

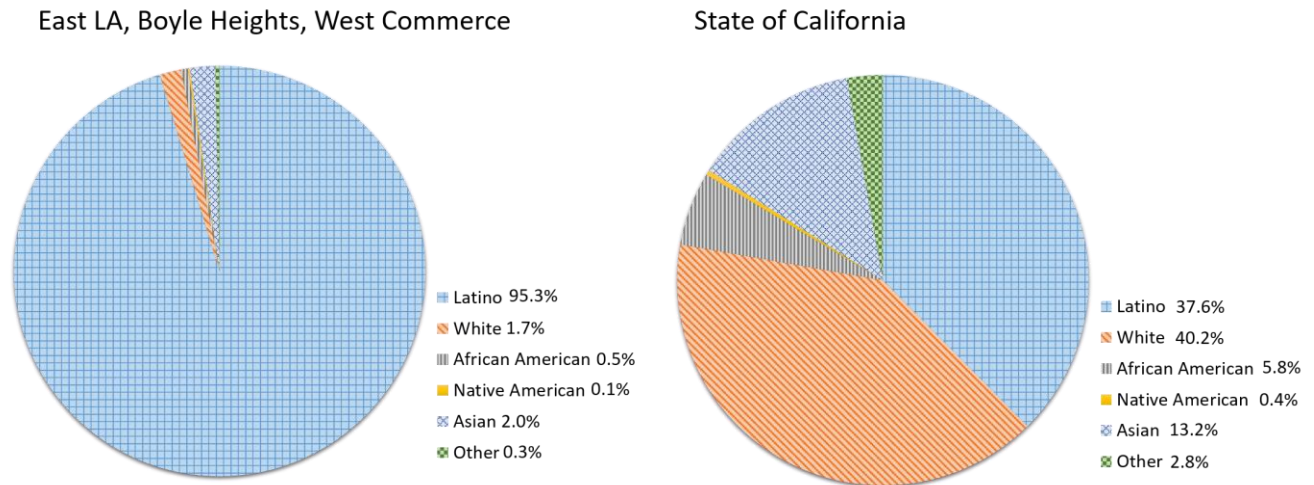
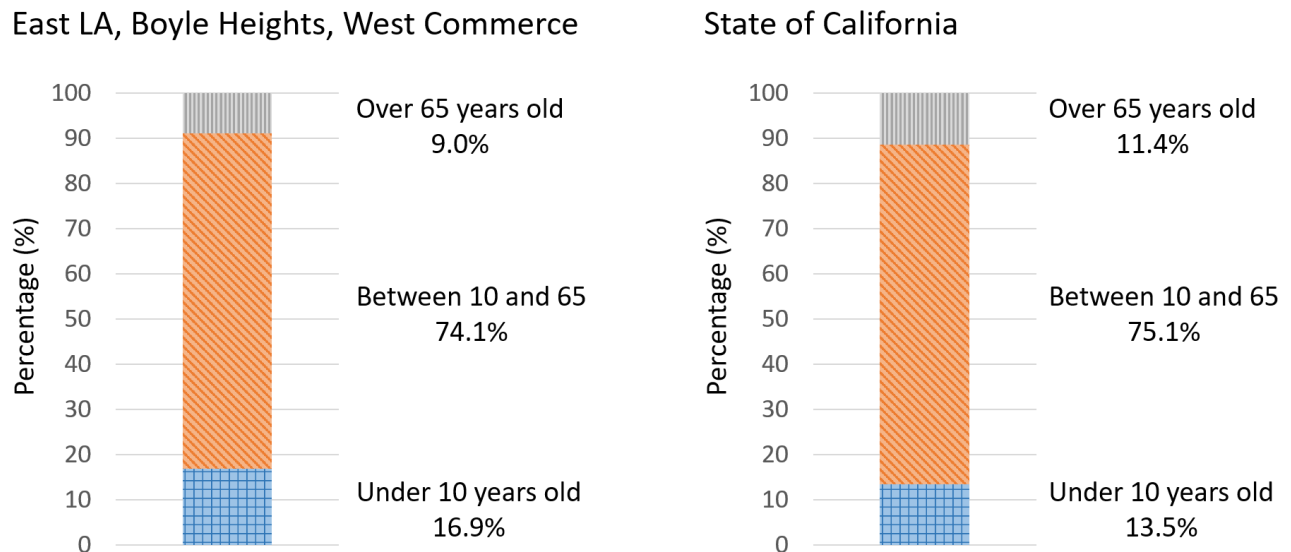


Figure 1-5: Age profile in East Los Angeles, Boyle Heights, West Commerce and the state of California, based on 2010 Census



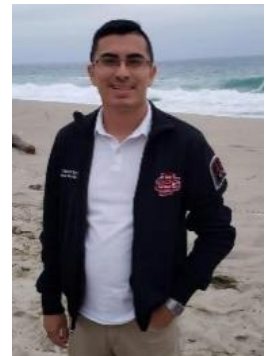
<sup>i</sup> Definitions of races are the same as CalEnviroScreen 3.0.

<sup>ii</sup> Numbers may not add up due to rounding.

While the demographics and geography provide useful information, the members of the community are what make each community unique and distinct. Community members bring intimate familiarity with their community and the air quality concerns that affect their neighborhood. Below are some community voices describing this community.

“I’ve been here all my life. I was raised here, I became an employee here, I am still serving the community in my capacity as a Councilmember, and now raising my son here. I take pride in what this community represents; we are such a close knit community, we are a huge family, all of our neighbors know each other generation to generation to have been raised here. My friends I went to school with, we are all raising our kids here together. It is important to ensure that we provide cleaner air for our kids. We know that it is a long battle, but it is important for us to provide clean air for our generation that is still here, for the generation of our children, and for generations to come because having clean air should not be something that is far-fetched. It should just be something that the community should have.”

*-Oralia Rebollo, Councilmember, City of Commerce*



“My community is an extended family, we look out for family, and I want to look out for my community.”

*-Johncito Peraza-Romero, Active Resident, City of Commerce*



“My community is a driven, passionate and powerful bastion of hope for cleaner air and environmental justice. We are connected by the stories we share. Cancer growing in our neighborhoods, our families with asthma, toxic air harming our lungs, construction site dust waves making us cough and sneeze to no end. My community is a valuable voice that will help shape a healthier future for all.”

*-Leoda Valenzuela, Field Organizer, Council of Mexican Federations (COFEM)*

## References

1. Office of Environmental Health Hazard Assessment (2014), California Communities Environmental Health Screening Tool, Version 2.0, <https://oehha.ca.gov/media/CES20FinalReportUpdateOct2014.pdf>, Accessed June 12, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 2: Community Outreach, Community Steering Committee and Public Process

### Introduction

Community engagement and a public process were integral parts of the Community Emissions Reduction Plan (CERP) development effort. Key features of the outreach efforts include establishing a Community Steering Committee (CSC), holding monthly meetings that were also live-streamed on the internet, during which, CSC members, South Coast AQMD and CARB made presentations, providing provided materials via email and on the a webpageinternet, live-streaming all CSC meetings, and establishing established a Technical Advisory Group (TAG). In addition, numerous interactions between CSC members and South Coast AQMD staff occurred in one-on-one or small group meetings, allowing for in-depth discussions on joint development and creation of the CERP.

### Chapter 2 Highlights

- The Community Steering Committee (CSC) and Technical Advisory Group worked with staff to develop the CERP
- Monthly meetings were held in the community to engage the CSC and public
- The Community Liaison served as the point of contact
- Additional one-on-one, small group, and community meetings also played an important part in community engagement
- A Community Webpage was created as an information portal

### Community Liaisons

A Community Liaison from the South Coast AQMD was designated for the East Los Angeles, Boyle Heights, West Commerce (ELABHWC) community. The Community Liaison served as the point of contact to communicate with members of the CSC and members of the public to address any concerns regarding logistics and implementation of the CERP and Community Air Monitoring Plan (CAMP). The Community Liaison ensured communication throughout the process of developing the CERP and worked with community members to identify the best ways to make information accessible and user-friendly. The South Coast AQMD Community Liaison for this community is Evangelina Barrera ([ebarrera@aqmd.gov](mailto:ebarrera@aqmd.gov)). In addition, Margaret Isied ([misied@aqmd.gov](mailto:misied@aqmd.gov)) serves as the South Coast AQMD point of contact for CERP-related input.

Figure 2-1: South Coast AQMD staff at a CSC meeting in East LA Commerce



## Community Meetings

Community meetings were hosted by South Coast AQMD staff on an approximately monthly basis in the community. This included one kick-off meeting and a series of CSC meetings.

### Community Kick-Off Meeting

In October 2018, kick-off meetings were held in each of the communities within the South Coast AQMD designated by CARB to be included in Year 1 of the AB 617 Program. The CSC provides input and guidance to design actions for the community, for integration into the CERP as well as the CAMP. Community members had an opportunity to fill out an Interest Form during the kick-off meeting to express their interest in being a CSC member, and were then notified by mail or by phone if they were selected as a member or an alternate.

The Community Kick-Off Meeting in the ELABHWC community was held on Tuesday, October 16, 2018 at the Commerce Senior Center (Figure 2-2). Approximately 60 people attended the meeting. In addition to receiving information about AB 617, attendees were invited to visit a variety of booths, which provided information about some existing South Coast AQMD programs, community monitoring, community air measurement efforts, and incentive programs.

Figure 2-2: Community kick-off meeting at the Commerce Senior Center





### Community Steering Committee (CSC)

A steering committee (Figure 2-3) was formed for the ELABHWC community, and monthly meetings were organized. The meetings were typically held on Thursday evenings, and all CSC meetings were held in locations in the community. All meetings were open to the public.

### CSC Roster

CSC membership is comprised of stakeholders with community knowledge to help drive community action. The CSC creates a way to incorporate community expertise and direction in the development and implementation of clean air programs in each community. Staff will continue to seek recommendations and feedback from the CSC as the CERP is being implemented, and adjust the outreach approaches as needed to be even more effective.

Figure 2-3: Community Steering Committee meeting in East Los Angeles



The ELABHWC CSC roster consisting of 34 CSC members and 16 alternate members is provided in Table 2-1. This CSC has 22 primary members and 8 alternate members representing active residents, community organizations, and businesses. While 11 primary members are on the roster representing Active Residents, an additional 5 primary members also reside within the community (resident percentage on the CSC =  $16/22 = 72.7\%$ ). Additionally, there are 12 primary members and 8 alternate members representing agencies, schools/universities, or offices of elected officials who serve this community.<sup>1</sup> The roster with member biographies is available on the webpage:

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/roster-with-bios.pdf?sfvrsn=29>.

---

<sup>1</sup> Per discussion with California Air Resources Board staff, members representing agencies, schools, universities, hospitals, and offices of elected officials are not included in the calculation of resident percentage on the CSC.



Table 2-1: CSC Roster for Boyle Heights, East LA and West Commerce

Affiliation	Representative	Alternate
<b>Agency, school, university, hospital</b>		
City of Los Angeles - Department of City Planning	Priya Mehendale	Jason Douglas
City of Commerce	Oralia Rebollo	Michelle Keshishian
Los Angeles County Department of Public Health	Cristin Mondy	Tiffany Romo
Los Angeles County Planning Department	Norman Ornelas	Soyeon Choi
University of Southern California (USC)	Wendy Gutschow	Jill Johnston
AltaMed Health Services	Corina Martinez	Bernice Nunez Constant
White Memorial Medical Center	Brian Johnston	
<b>Elected Officials and Neighborhood Councils</b>		
Assemblymember Cristina Garcia - District 58	Evelyn Nuno	
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete	
Office of Los Angeles Mayor Eric Garcetti	Irene Burga	
First District Supervisor Hilda Solis	Joseph Martinez	Elizabeth Andalon
Assemblymember Miguel Santiago – District 53	<u>Jorge Adame</u> (previously David Juarez)	Luis Melchor
<b>Business representative, business organization or labor organization</b>		
Railroads – BNSF	<u>Marisa Blackshire</u> (previously Trini Jimenez)	<u>Ladonna DiCamillo</u> (previously Marisa Blackshire)
Labor - SEIU 721	Maribel Castillon	Griselda Mariscal
Los Angeles Area Chamber of Commerce	Kendal Asuncion	Olivia Lee
Boyle Heights Chamber of Commerce	Jennifer Lahoda	
<b>Community organization</b>		
East LA Rising	Anna Araujo	
Our Lady of Victory Catholic Church - ELA	H. Jose Garcia	Luis Reyes
Mothers of ELA	Teresa Marquez	
Resurrection Church	Msgr. John Moretta	
East Yard Communities for Environmental Justice (EYCEJ)	Cindy Donis	
Council of Mexican Federations (COFEM)	Anabella Bastida	Leoda Valenzuela
Legacy LA	Jacky Rodriguez	
<b>Active residents (not representing a community organization or a business)</b>		
Active Resident - Boyle Heights	Veronica Polanco	
Active Resident - Boyle Heights	Nadine Diaz	Diana Tarango
Active Resident - Boyle Heights	Terry Cano	Joe Gonzalez
Active Resident - Boyle Heights	Fabiola Rivas	
Active Resident - East Los Angeles	Rafael Yanez	
Active Resident - East Los Angeles	Rudy Perez	Carina Sanchez
Active Resident - East Los Angeles	mark! Lopez	
Active Resident - East Los Angeles	Martha Ofelia Jimenez	
Active Resident - West Commerce	Jennifer Reyes	
Active Resident - West Commerce	Paulina Becerra	
Active Resident - West Commerce	Johncito Peraza	
Active Resident - West Commerce	(vacant)	

### CSC Meeting Schedule and Co-Hosts

The CSC meetings were held on an approximately monthly basis (Table 2-2). Beginning with meeting #2, the meetings were run by a co-host, who is a member of the CSC who lives in the community. Anna Araujo served as a co-host (Figure 2-4) from East Los Angeles and Johncito Peraza served as a co-host from Commerce. The co-hosts worked closely with South Coast AQMD staff to provide input on the meeting agenda, serve as the point of contact for community members who wished to provide testimonials during the meetings, and conducted the meetings by setting the tone and calling on members to speak.

Figure 2-4: Anna Araujo, serving as the co-host for a CSC meeting in East Los Angeles



Table 2-2: Community Steering Committee Meeting Schedule for ELABHWC

Meeting #	Date and Location	Approximate # of Attendees
1	November 28, 2018 <b>Resurrection Church, Boyle Heights</b>	50
2	January 24, 2019 <b>East Los Angeles Service Center, East Los Angeles</b>	50
3	February 28, 2019 <b>Commerce Senior Center, Commerce</b>	40
4	March 28, 2019 <b>Resurrection Church, Boyle Heights</b>	50
5	April 25, 2019 <b>East Los Angeles Service Center, East Los Angeles</b>	40
6	May 23, 2019 <b>Resurrection Church, Boyle Heights</b>	50
7	June 27, 2019 <b>Commerce Senior Center, Commerce</b>	55
8	July 25, 2019 <b>East Los Angeles Service Center, East Los Angeles</b>	50
9	August 22, 2019 <b>Commerce Senior Center, Commerce</b>	<u>65</u>
10	September 26, 2019 <b>Resurrection Church, Boyle Heights</b>	

### CSC Charter

A charter was developed for the CSC and a draft was presented to members at the first meeting. CSC members provided comments and the feedback received was included in the revised charter. The final charter is provided on the webpage: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/charter-english.pdf?sfvrsn=8>

### Meeting Facilitator

Beginning in March 2019, the CSC meetings were facilitated by Valerie Martinez of VMA Communications ([www.vmapr.com](http://www.vmapr.com)). VMA staff also attended meetings to help with meeting facilitation.

### Social Media Report

Staff received a suggestion from one CSC member to live-stream meetings on social media in order to engage youth who use this technology and who may not be able to attend the meetings in person. All CSC meetings were subsequently live-streamed using Facebook Live shown in Figure 2-5. The links to the live-stream recording were also posted on the community webpage, so that members who could not attend or view the meeting live could view the recorded video of the meeting. Each video received approximately 100 views.

Figure 2-5: Screenshot of Facebook Live recording of a CSC meeting in Boyle Heights



### Community Webpage

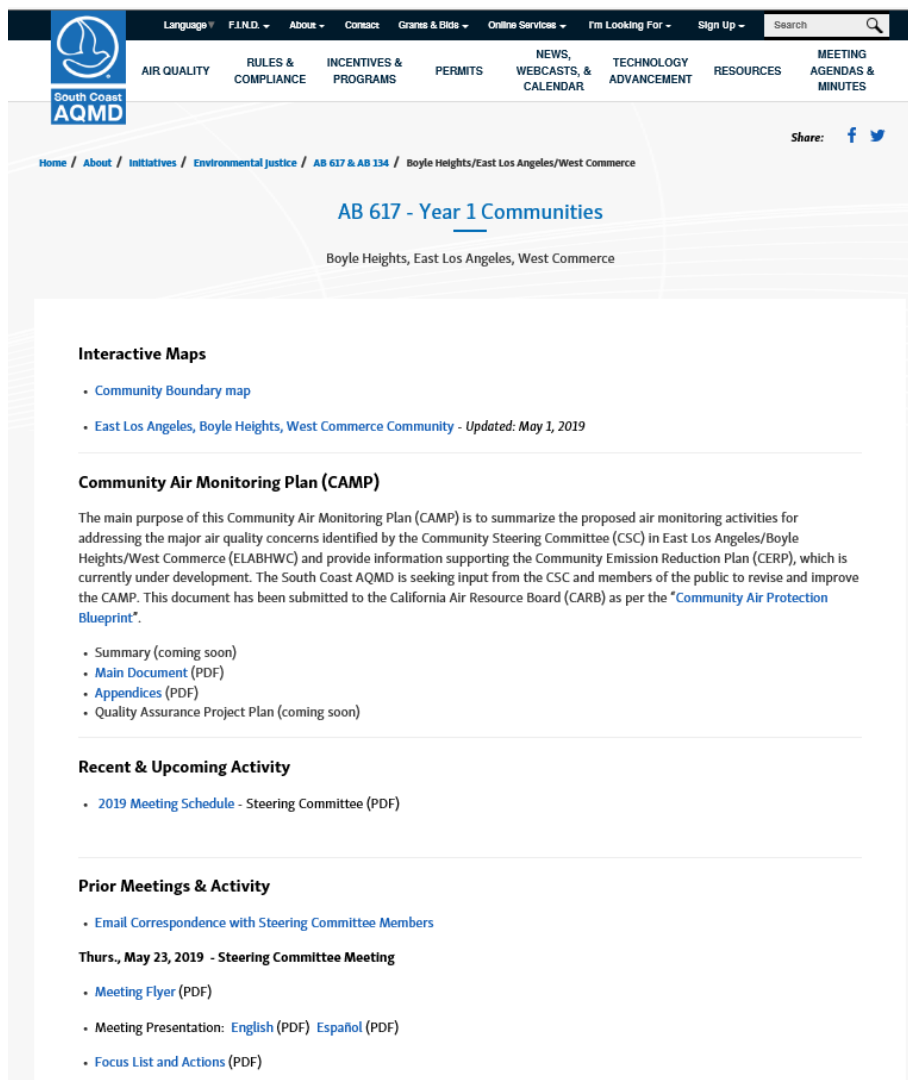
A community webpage was created for the ELABHWC community. The webpage included information about upcoming meetings, meeting materials (flyers, agendas, presentations, handouts, live stream links, meeting summaries), interactive maps, the CSC roster, charter bios, and membership process, and the CAMP and CERP documents.

Webpage:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/east-la>

For increased transparency, emails sent to the CSC were also posted on the webpage. All flyers, agendas, social media posts, presentations, handouts, and emails to the CSC were made available in English and Spanish. A screen shot of the community webpage is shown in Figure 2-6.

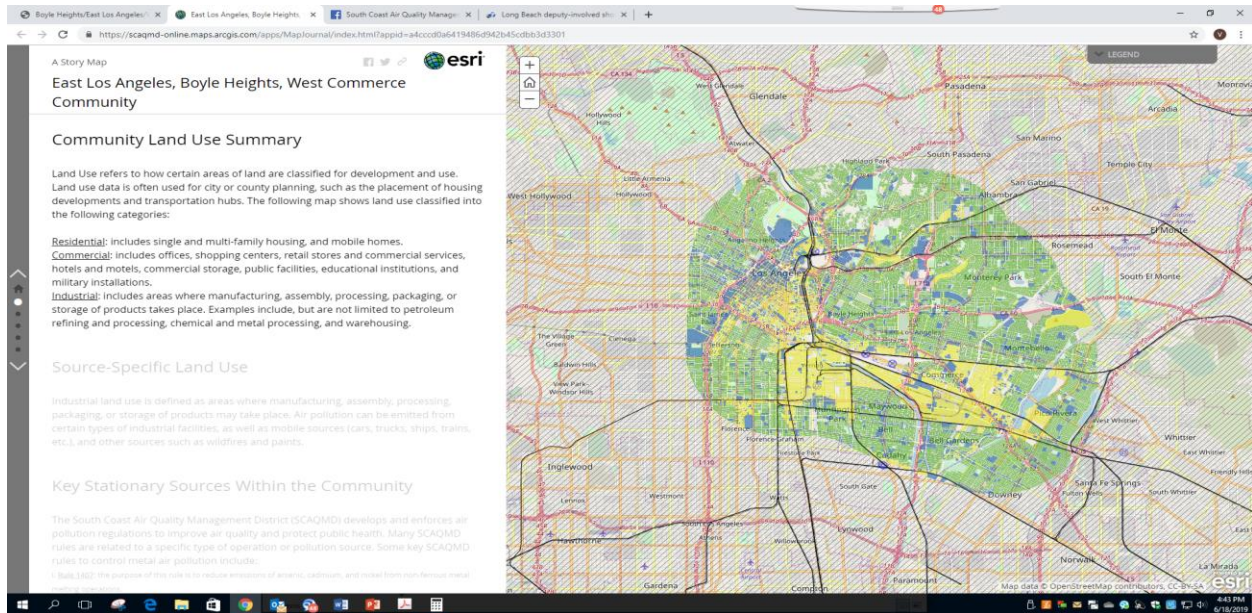
Figure 2-6: Community webpage for the ELABHWC community





In addition to being a portal for access to meeting materials and documents, the webpage also includes interactive maps that present data about the community. Figure 2-7 is an example of an interactive map that was created for the ELABHWC community. These interactive maps provide data on land use, locations of facilities, schools, hospitals, and daycare centers, and the air quality concerns identified by the CSC and members of the public. This information was provided to help inform air quality priorities for the CERP.

Figure 2-7: Interactive map showing land use in the ELABHWC community



### Community Bus Tour and Committee Presenters

A critical part of the CERP is development and implementation collaboration with CSC members and the agencies, organizations, businesses, or other entities that they represent. A Community Bus Tour (Figure 2-8) was organized by some CSC members, in collaboration with South Coast AQMD staff. The tour took place on April 13, 2019, and about thirty participants attended, including CSC members, South Coast AQMD staff, and CARB staff. The tour engaged participants in learning the effects of air pollution and the environmental justice issues in this community by visiting neighborhoods that are directly impacted by industrial facilities and transportation corridors. At the April 2019 Meeting, CSC member Jennifer Lahoda (Boyle Heights Chamber of Commerce) gave a brief recap of the community tour, which included a tour of the facility that she runs. She commented that the tour was very powerful and created great discussions. The group had

Figure 2-8: Community Bus Tour - CSC members and South Coast AQMD staff



a conversation on how businesses can engage with the community. The general sentiment expressed by the participants was that the tour was a wonderful starting point and provided optimism on developing a plan for change together. At the May 2019 meeting, CSC member Cindy Donis (East Yard Communities for Environmental Justice, (EYCEJ)) also gave a brief recap of the community bus tour.

Committee members were also invited to give presentations during CSC meetings to share information about the work they are doing in the community that is complementary to the actions being developed in the CERP, such as programs implemented by their organization that address air quality issues in the community.

At the May 2019 CSC meeting, Cindy Donis (EYCEJ) spoke about the work that her organization is doing to advocate for environmental justice in the community. Additionally, Anabella Bastida from the Council of Mexican Federations (COFEM) gave a presentation on current efforts in the community by COFEM to address air quality concerns.

At the June 2019 CSC meeting, Soyeon Choi from the Los Angeles County Department of Regional Planning provided information on their current efforts on their Green Zones Program.

At the July 2019 CSC meeting, Wendy Gutschow presented research findings from the University of Southern California Environmental Health Centers related to air pollution and toxic exposures.

### Technical Advisory Group

In February, 2019, the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution (information on the specific sources of monitored emissions), air monitoring and other technical analysis needed to develop the CAMPs and CERPs. The TAG meets on an approximately quarterly basis during the CERP and CAMP development process. Topics discussed include monitoring equipment and laboratory capabilities, methodology and data sources for developing an air toxics emissions inventory at a community scale, methodology for forecasting emissions in future years, and methodology for modeling air toxics levels across geographical areas. Table 2-3 shows the 2019 TAG meeting schedule. All meetings are held at South Coast AQMD headquarters, which is a location approximately in the middle of the three Year 1 communities. All meetings were webcast on the South Coast AQMD webpage ([www.aqmd.gov](http://www.aqmd.gov)), and webcast attendees could email questions to be answered during the meeting.

The majority of these technical considerations apply to all three AB 617 communities designated in Year 1 and consequently the Technical Advisory Group includes up to 3 members from each CSC, and additional technical experts from academia, research institutes, and governmental agencies (the current roster is provided in



Table 2-4 below). When additional communities are designated for the AB 617 program, representatives from those CSCs will also be added to the TAG. The webpage for the TAG is available at this link: <http://www.agmd.gov/nav/about/initiatives/environmental-justice/ab617-134/technical-advisory-group>

Table 2-3: Technical Advisory Group meetings in 2019

Meeting #	Date	Approximate Attendees
1	February 27, 2019	45
2	May 29, 2019	45
3	July 18, 2019	45

Table 2-4: Roster for the AB 617 Technical Advisory Group

Name	Affiliation	Community
Jesse Marquez	Coalition for a Safe Environment	Wilmington, Carson, West Long Beach
Flavio Mercado (Alternate for Jesse Marquez)	Active Resident from Wilmington	Wilmington, Carson, West Long Beach
Jill Johnston	University of Southern California	Wilmington, Carson, West Long Beach
Uduak-Joe Ntuk	City of Los Angeles	Wilmington, Carson, West Long Beach
Tim DeMoss (Alternate for Uduak-Joe Ntuk)	Port of Los Angeles	Wilmington, Carson, West Long Beach
Ryan Sinclair	Loma Linda University	San Bernardino, Muscoy
Andreas Beyersdorf	California State University, San Bernardino	San Bernardino, Muscoy
Tammy Yamasaki	Southern California Edison	San Bernardino, Muscoy
Hector Garcia	Our Lady of Victory	East LA, Boyle Heights, West Commerce
Marisa Blackshire	BNSF	East LA, Boyle Heights, West Commerce
Rafael Yanez	Active Resident	East LA, Boyle Heights, West Commerce
Manuel Pastor	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Madeline Wander (Alternate for Manuel Pastor)	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Scott Fruin	Univ. Southern California, Preventive Medicine	Technical Expert
Cesunica (Sunny) Ivey	UC Riverside	Technical Expert
Luis Portillo	Inland Empire Partnership	Technical Expert
Ken Davidson	US EPA Region 9 Air Division, Air Toxics, Radiation, and Indoor Air Office	Technical Expert
Janet Whittick	California Council for Environmental and Economic Balance (CCEEB)	Technical Expert
Melissa Lunden	Aclima	Technical Expert

### Additional Community Engagement

In addition to establishing the CSC and convening monthly meetings, South Coast AQMD staff conducts one-on-one or small group meetings with members, and attends meetings led by various community organizations. These meetings give CSC members an opportunity to provide input or address concerns directly with staff. Additionally, these meetings give staff an opportunity to answer questions and clarify information requested by CSC members. By attending meetings led by community organizations, staff can gain a better understanding of the unique issues faced by each community.

Broader public engagement is also important to the AB 617 program. Suggestion boxes provided at the CSC meetings allows CSC members, as well as the general public, to provide input and suggestions on the AB 617 process. Staff reviews the comments after each CSC meeting, and

responds as needed. Anonymous submissions are accepted. In addition, a Community Affairs Table at the CSC meetings provides a forum for community members to share flyers and handouts about events and programs occurring in the community.

Throughout the development of the CERP, community liaisons and other staff met with community members, environmental justice organizations, industry and other stakeholders to provide assistance and/or prompt response to concerns raised about the CSC process. Community liaisons also attended invited meetings from local organizations, environmental justice groups, city and county government agencies to promote participation in the development and implementation of the CERP. Staff attended meetings hosted by other entities in this community to give presentations on the AB 617 CERP development, and had more than 25 in-person or phone meetings with CSC members to discuss the CSC process and seek input on the CERP actions. South Coast AQMD staff will continue to work with the CSC to implement the CERP actions and provide periodic community updates on the progress of implementing the plan. Community engagement is essential to the success of the CERP as well as the AB 617 program as a whole, and all parties are committed to build and improve upon existing outreach efforts in the coming months and years.

---

# CHAPTER 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 3a: Community Profile

### Introduction

It is essential to understand the characteristics of a community and the profile of air pollution sources in order to address community air quality priorities. The following community profile provides a general overview of the East Los Angeles, Boyle Heights, West Commerce community, including the types of air pollution impacting the community, and a characterization of public health and socioeconomic factors. In addition, this section includes information about the community boundary that reflects input from the Community Steering Committee (CSC); a

summary of the air pollution concerns identified by the community; and the air quality priorities based on CSC and public input. These air quality priorities are addressed in the Community Emissions Reduction Plan (CERP) actions described in Chapter 5.

### Chapter 3a Highlights

- The community profile is based upon input from the Community Steering Committee throughout the CERP development process
- The Community Steering Committee identified the top air quality priorities to be addressed in the CERP
- Data on land use; toxic air pollution impacts, public health factors; and both social and economic factors in the community provides useful background information
- Information about the sources of air pollution in the community is presented in a “source attribution” analysis (Chapter 3b)

### Community Boundary, Air Quality Concerns and Air Quality Priorities

During monthly CSC meetings, committee members, members of the public, and South Coast AQMD staff worked together to shape the elements and actions described in this Plan. Topics discussed with the CSC include:

- What should be the community **boundaries** for the AB 617 community plans?
- What **air quality concerns** does the community have?
- What are the top **air quality priorities** that the community would like to address through the AB 617 CERP?
- What **priority actions** should be included in the CERP?
- What should the **goals** for the priority actions include?
- Additional **feedback on the Draft CERP**

The process is summarized in [Figure 3a-1](#). CSC members discussed which geographic areas should be included within the community boundary ([Figure 3a-1](#)). The East Los Angeles, Boyle Heights, West Commerce CSC established two distinct community boundaries to represent this community for the purpose of AB 617 community plan implementation. The “Impacted Community” boundary focuses on the places in the community where community members live, work, go to school, and spend the majority of their time. The “Emissions Study Area” boundary includes both the Impacted Community

and additional air pollution sources (e.g., facilities and major truck routes) that may affect the Impacted Community. Regions within and near either community boundary will benefit from the emissions reductions within the boundary.

The CSC and members of the public participated in an interactive mapping activity to identify community air quality concerns, which were posted on the webpage.<sup>i</sup> These community air quality concerns are shown in Figure 3a-1 and listed in Table 3a-2. The vast majority of the concerns identified were within the Emissions Study Area.

Air quality concerns were grouped into categories (e.g., metal processing, truck and automobile traffic, railyards, etc.) and CSC members, as well as the public prioritized the top air quality concerns to be addressed through this CERP. CSC members were invited to provide ideas and input on CERP actions and also meet with South Coast AQMD staff to draft CERP actions together. The highest priority actions were included in the Draft CERP based on input from the CSC members.

The work to implement the CERP and Community Air Monitoring Plan (CAMP)<sup>1</sup> is dynamic, thus, certain action items have been written with built-in flexibility to permit necessary adjustments as new information becomes available. South Coast AQMD staff is committed to working with CSC members to evaluate ongoing actions and progress.

---

<sup>i</sup> Interactive map of air quality concerns in the East Los Angeles, Boyle Heights, West Commerce community, <https://scaqmd-online.maps.arcgis.com/apps/View/index.html?appid=3e6b40c9a9d94d01bf8d1cc02767370c&extent=-118.2963,33.9664,-118.0650,34.0778>, Accessed July 3, 2019.

Table 3a-1: Process of CSC Input on CERP elements

CSC Meeting #	Discussion Topic(s)	CSC input	How was this CSC input used in the CERP development process?
#1 November 2018	Community Air Quality Concerns and Community Boundary	Refined community <b>boundaries</b> . Identified community air quality <b>concerns</b> . <u>Outcome</u> : List of air quality concerns	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5). <b>Concerns</b> were prioritized for inclusion in Plans (see Meeting #3).
#2 January 2019	Community Boundary	Refined <b>community boundaries</b> . <u>Outcome</u> : Community boundary	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5).
#3 February 2019	Air Quality Concern Prioritization	Prioritized which concerns would be addressed in Plans. <u>Outcome</u> : Air quality priorities	Actions were developed for <b>air quality priorities</b> (Meetings #4 and #5)
#4 March 2019	Strategies & Proposed Actions (Part 1)	Ideas for <b>actions</b> can be written into the Plans. Staff will work with CSC members to write CERP actions. <u>Outcome</u> : Draft focused list of actions for CERP	Feedback on actions were used to develop the list of <b>priority actions</b> (Meeting #6).
#5 April 2019	Strategies & Proposed Actions (Part 2), Draft CAMP, and Draft CERP Table of Contents & Action Template	<b>Community bus tour</b> provided additional insight on community concerns and experiences.	
#6 May 2019	Focused list of CERP Actions (“priority actions”)	Provided feedback on which <b>priority actions</b> should be included in CERP. <u>Outcome</u> : List of priority actions for CERP	Feedback on actions were used to finalize the list of <b>priority actions</b> to be included in the <b>Draft CERP</b> .
#7 June 2019	Draft CERP, Goals for each CERP Action (Part 1)	Feedback on <b>Draft CERP</b> . Ideas for specific goals for each CERP action. <u>Outcome</u> : Revised Draft CERP	Feedback on <b>Draft CERP</b> and ideas for specific goals will be used to inform the <b>Draft Final CERP</b> in the Board package.
#8 July 2019	Goals for each CERP Action (Part 2)		
#9 August 2019	Final Discussion of Draft CERP	<b>Final revisions</b> for Draft CERP before it is submitted to South Coast AQMD Board for consideration. <u>Outcome</u> : Draft Final CERP and Appendices	Final comments to be addressed in <b>Draft Final CERP</b> that is part of the Board package.



Figure 3a-1: Map of the Impacted Community and Emissions Study Area boundaries of the East Los Angeles, Boyle Heights, West Commerce community and the air quality concerns identified by the CSC and members of the public

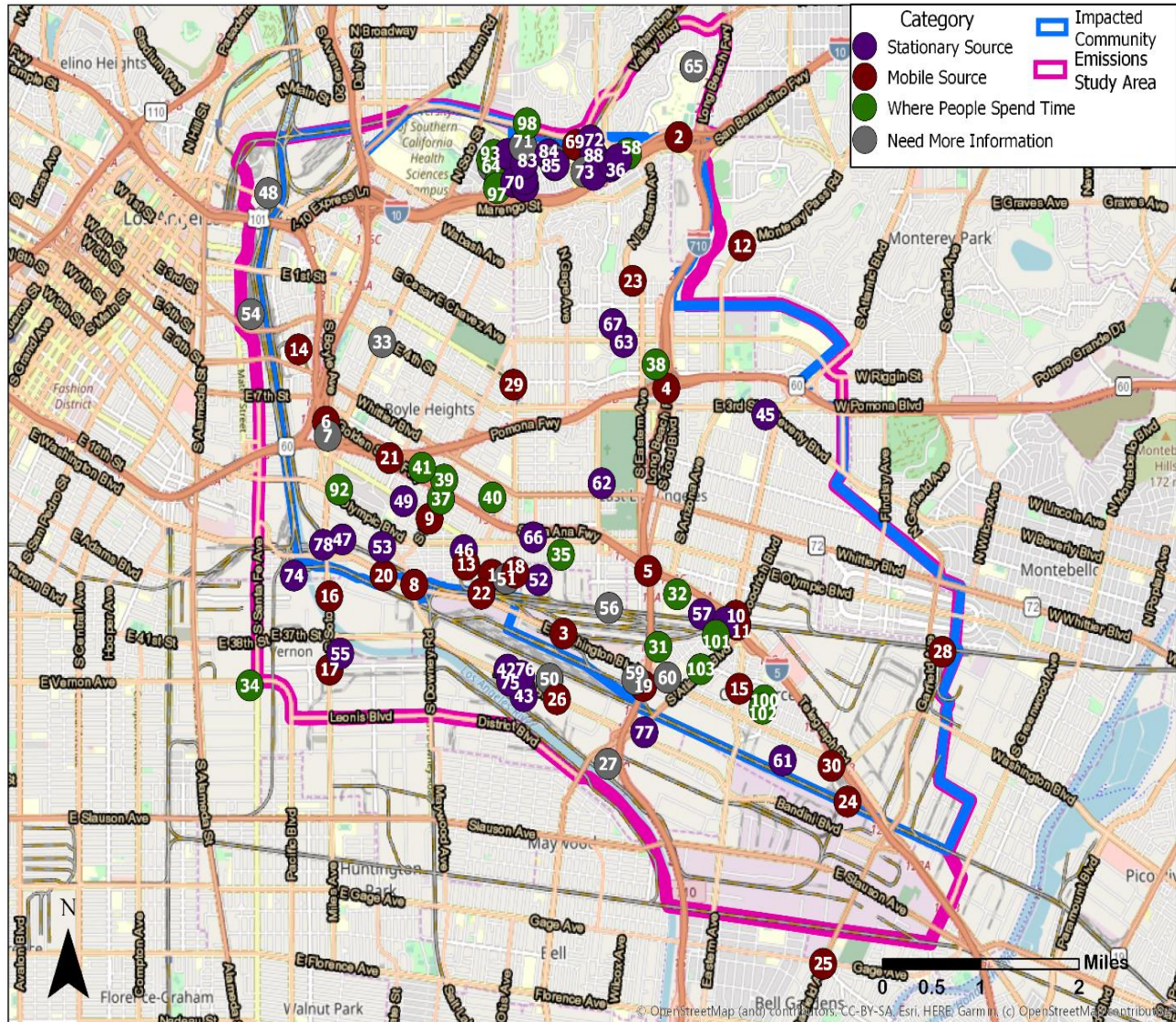


Table 3a-2: List of air quality concerns identified by the East Los Angeles, Boyle Heights, West Commerce CSC and members of the public

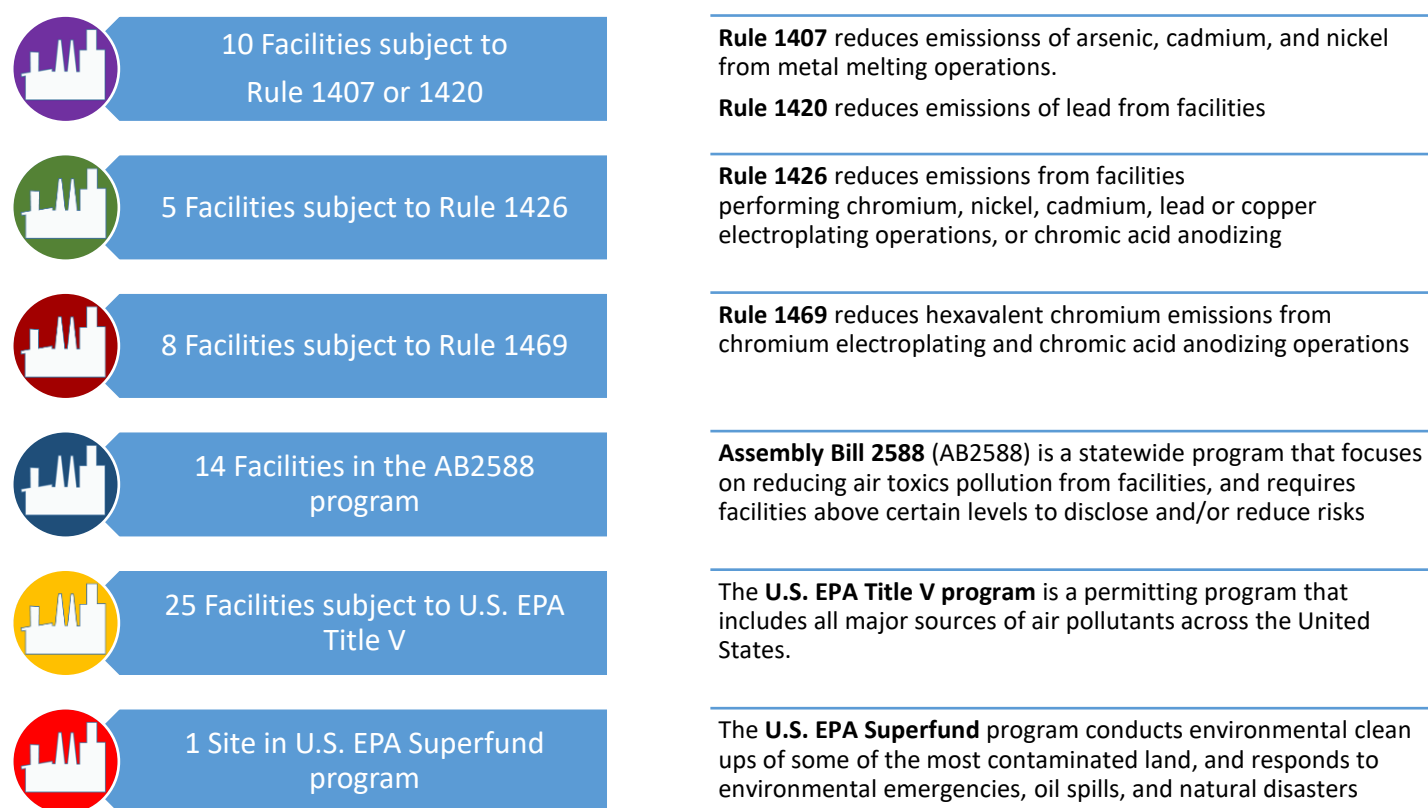
Label	Concern Name	Category	Label	Concern Name	Category
1	Preferred cold service business	Mobile Source	54	Tire Shops, other industry	Need More Info
2	Metrolink	Mobile Source	55	Farmer John	Stationary Source
3	BNSF Railyard/Union Pacific	Mobile Source	56	Construction of cold storage	Need More Info
4	710/60 Fwy Intersection	Mobile Source	57	Adel Wiggins Group-Industry	Stationary Source
5	710/5 Fwy Intersection	Mobile Source	58	Metal facility	Need More Info
6	East LA Interchange	Mobile Source	59	Industrial Sources	Need More Info
7	Transfer Yard	Need More Info	60	Oil Production	Need More Info
8	Truck Route	Mobile Source	61	Refuse of Energy Facility	Stationary Source
9	Truck Route on Lorena St.	Mobile Source	62	Calvary Cemetery	Stationary Source
10	Trucks	Mobile Source	63	De La Rosa Auto Services	Stationary Source
11	Trains	Mobile Source	64	Pollution around Murchison St.	Need More Info
12	Warehouses	Mobile Source	65	Sulfur smell near CSULA	Need More Info
13	Trucks Idling	Mobile Source	66	Soil remediation from closed gasoline retail	Need More info
14	Trucks Idling	Mobile Source	67	Soil remediation from closed gasoline retail	Need More Info
15	Truck Route	Mobile Source	68	Plating Site	Stationary Source
16	Truck Route	Mobile Source	69	Hai's Trucking	Mobile Source
17	Trucks	Mobile Source	70	JSL Foods	Stationary Source
18	Trucks	Mobile Source	71	Xebec Developer/Last Mile Infill	Need More Info
19	710 Fwy	Mobile Source	72	Polychemie	Stationary Source
20	Truck Route	Mobile Source	73	Republic Services	Need More Info
21	Freeway Interchange	Mobile Source	74	Darling Delaware	Stationary Source
22	Trains and Trucks Idling	Mobile Source	75	Baker Commodities	Stationary Source
23	Heavy Industry	Mobile Source	76	West Coast Rendering	Stationary Source
24	BNSF Intermodal Railyard	Mobile Source	77	D & D Cremation Services	Stationary Source
25	Traffic	Mobile Source	78	Toxic Waste Handlers	Stationary Source
26	Bandini Blvd	Mobile Source	79	Accurate Plating Co	Stationary Source
27	Construction of CEMEX	Need More Info	80	Cardenas Auto/Body Repair	Stationary Source
28	Rail Traffic	Mobile Source	81	B and B Towing Service	Stationary Source
29	Truck Traffic	Mobile Source	82	Southland Disposal	Stationary Source
30	Truck Traffic	Mobile Source	83	GU's Recycling	Stationary Source
31	Bandini Park	Where People Spend Time	84	AMS Auto Buy	Stationary Source
32	Bristow Park	Where People Spend Time	85	R G Diecutting & Foil Graphics	Stationary Source
33	New School development at old Lincoln Hospital	Need More Info	86	D & S Autowrecking	Need More Info
34	Vernon City Elementary School	Where People Spend Time	87	New California Bumpers	Stationary Source

Label	Concern Name	Category	Label	Concern Name	Category
35	Eastman Avenue Elementary School	Where People Spend Time	88	STIC-Adhesive Products Co	Stationary Source
36	Daycares near Valmont Coatings	Need More Info	89	Foote Axle & Forge	Stationary Source
37	De La Hoya Ánimo Charter High School	Where People Spend Time	90	Valmont Coating Industries	Stationary Source
38	Volunteers of America Humphreys Head Start	Where People Spend Time	91	Ponce's Body	Stationary Source
39	Lorena Street Elementary School	Where People Spend Time	92	Carmen Lomas Garza Primary Center	Where People Spend Time
40	Odd Fellows Cemetery	Where People Spend Time	93	Murchison Street Elementary	Where People Spend Time
41	Garcia Park	Where People Spend Time	94	Murchison Street Early Education Center	Where People Spend Time
42	Exide Technologies	Stationary Source	95	Ramona Gardens Housing Projects	Need More Info
43	West Coast Rendering	Stationary Source	96	Ramona Head Start/State Pre-School	Where People Spend Time
44	Valmont Coatings	Stationary Source	97	Boys and Girls Club	Where People Spend Time
45	San Cris Auto body Shop	Stationary Source	98	Ming Ya Buddhist Association	Where People Spend Time
46	Brite Plating Co/Metal Finishing Marketers	Stationary Source	99	The Floricanto Center for the Performing Arts	Where People Spend Time
47	Toxic Waste Recycling Plant – Mana Scrap Recycling Facility	Stationary Source	100	Rosewood Park and Library	Where People Spend Time
48	Gravel Grinding	Need More Info	101	City of Commerce Teen Center	Where People Spend Time
49	Odors	Need More Info	102	City of Commerce Senior Center	Where People Spend Time
50	Dioxin and Furan Concerns	Need More Info	103	Atlantic Branch Library	Where People Spend Time
51	Refinery	Need More Info			
52	99 Cents facility	Stationary Source			
53	Textile Companies – A Plus Fabrics	Stationary Source			



The South Coast AQMD develops and enforces air pollution regulations to reduce emissions, improve air quality and protect public health. Many South Coast AQMD rules are related to a specific type of operation or pollution source. [Figure 3a-2](#) describes the number of facilities in this community that are subject to some key South Coast AQMD rules to control emissions from facilities processing metals. The figure also includes information about facilities that are in important key state and federal programs, which include major sources of air pollution or other types of environmental pollution. Appendix 3a also provides a list of facilities in the community that have prior and/or ongoing AB 2588 risk reduction plans and the facilities subject to Best Available Retrofit Control Technology (BARCT).

Figure 3a-2: Key stationary sources in the East Los Angeles, Boyle Heights, West Commerce community, by regulatory program



The following air quality priorities for the CERP were identified by the CSC and members of the public for the East Los Angeles, Boyle Heights, West Commerce community:

- Neighborhood and freeway traffic (trucks and automobiles)
- Railyards
- Metal processing facilities
- Rendering facilities
- Auto body shops

- Exposure reduction for sensitive populations in schools, childcare centers, community centers, libraries, and housing projects
- General concerns about industrial facilities, including waste transfer stations

Actions to address each of these air quality priorities are described in Chapter 5.

The South Coast AQMD and the California Air Resources Board (CARB) both develop and enforce air pollution regulations to improve air quality and protect public health. While CARB has primary authority over mobile sources, the South Coast AQMD has authority over stationary sources and “indirect sources”, which are facilities that attract mobile sources. Examples of indirect sources include warehouses and railyards. Specific information about ongoing rule development that is relevant to these air quality priorities is provided in Chapter 5.

### Community Air Pollution Profile and Related Data

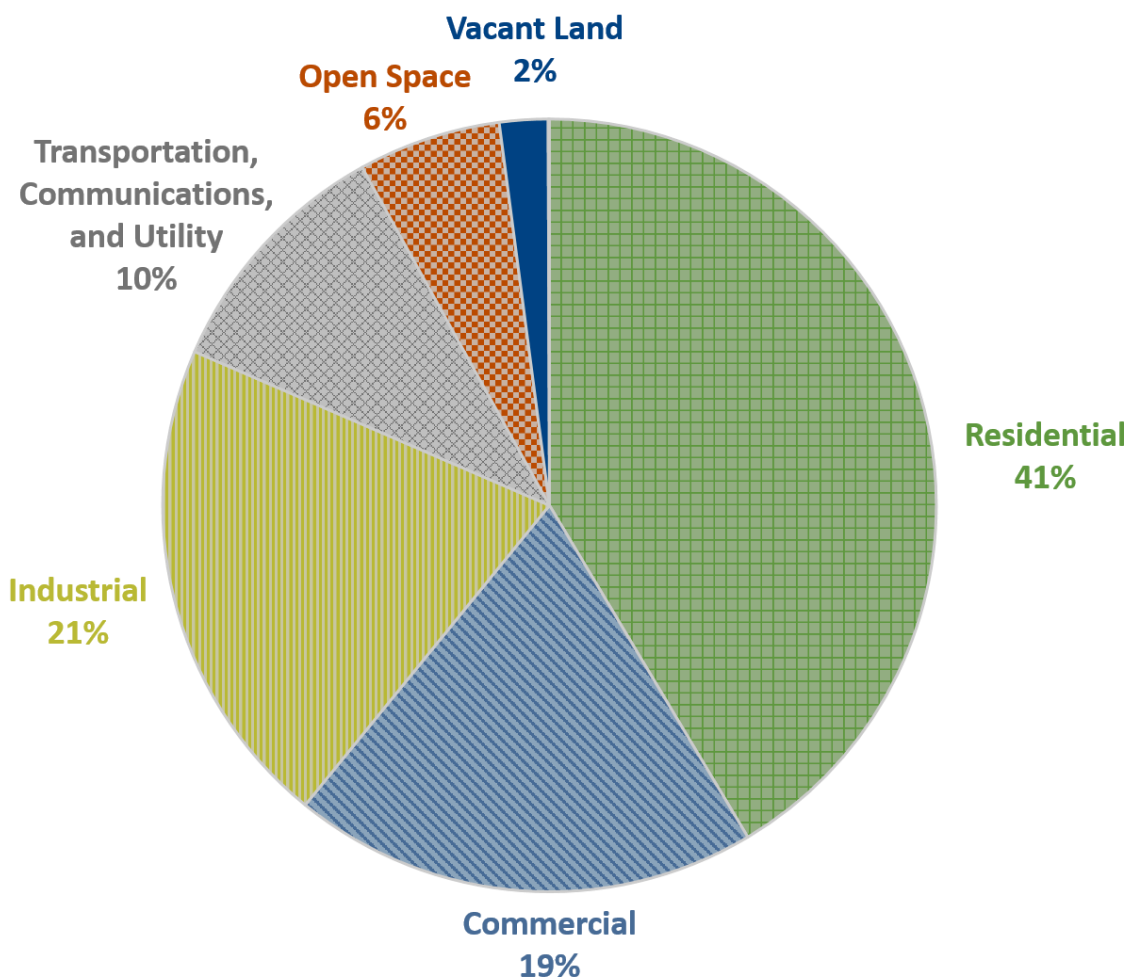
Understanding what air pollution sources exist in the community and what air pollutants come from these sources helps identify key issues that can be addressed through CERP actions. This section presents data based on previous cumulative impact studies<sup>ii</sup> to describe the impacts of toxic air pollutants in this community, as well as other environmental pollution, public health factors, and social and economic factors that make people more sensitive or vulnerable to the health effects of pollution.<sup>2</sup>

The East Los Angeles, Boyle Heights, West Commerce community is shown in Figure 3a-1~~Figure 3a-1~~. The Impacted Community includes a land area of 18.96 square miles, and the Emission Study Area includes an area of 25.59 square miles. About 41% of this land area is used for residential living, 19% is zoned for commercial uses, 21% is zoned for industrial uses, and 10% is used for freeways, roadways, and land used for utilities and communications services (Figure 3a-3).<sup>iii</sup>

<sup>ii</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD’s website at, <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

<sup>iii</sup> Land use refers to how certain areas of land are classified for development and use. Land use data is often used for city or county planning, such as the placement of housing developments and transportation hubs. Land use data is derived from the 2016 Southern California Association of Governments (SCAG) Regional Transportation Plan/ Sustainable Communities Strategy, which is based on 2012 data.

Figure 3a-3: Land use profile in East Los Angeles, Boyle Heights, West Commerce



Air toxics are one group of air pollutants that can affect public health on a local community scale. This includes pollutants from diesel exhaust, metal particulate pollutants (e.g., hexavalent chromium, lead, arsenic, nickel, etc.), and gases (e.g., benzene, formaldehyde, etc.). The South Coast AQMD conducts the Multiple Air Toxics Exposure Study (MATES) every few years to understand the cumulative health impacts of air toxics in communities across the region. The most recently completed study was MATES IV, which was conducted in 2012-2013, and used air toxics monitoring, emissions inventories, modeling, and health risk assessment techniques to calculate the cancer risk due to toxic air pollutants (“air toxics cancer risk”).<sup>iv</sup> MATES V is currently in progress. Based on MATES IV modeled data, approximately three-quarters of the air toxics cancer risk in the Basin is due to diesel particulate matter (Figure 3a-4).

<sup>iv</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD’s website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

The average air toxics cancer risk in the East Los Angeles, Boyle Heights, West Commerce community is higher than the Basin-wide average, and dominated by diesel particulate matter.

Figure 3a-45: Air toxics cancer risk, based on MATES IV modeled data

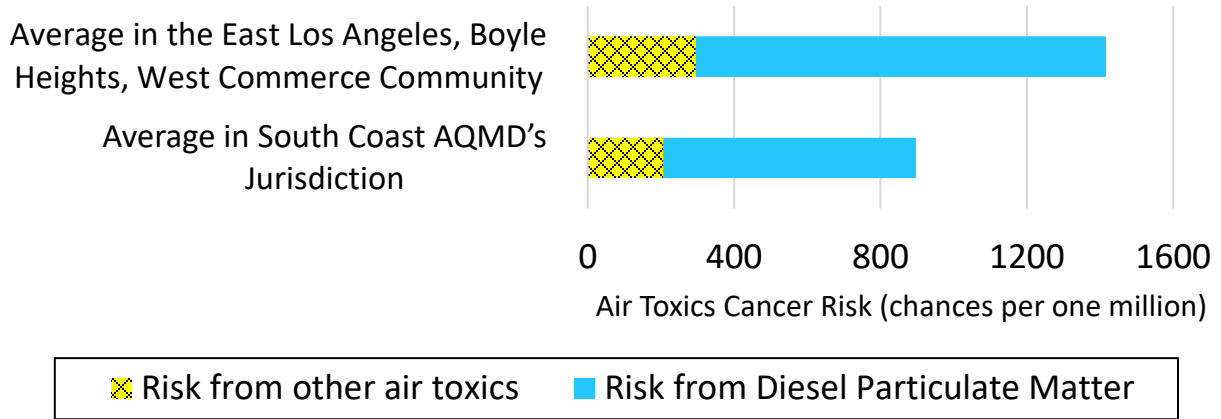
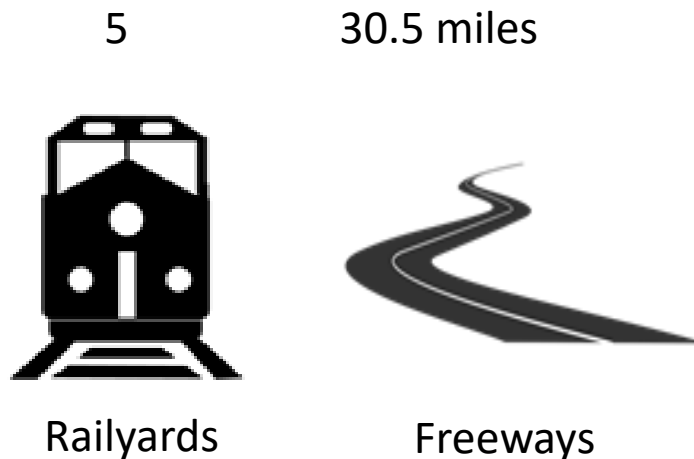


Figure 3a-65: Diesel mobile sources in East Los Angeles, Boyle Heights, West Commerce



Mobile sources include trucks, ships, trains, cars, buses, and other mobile equipment. Much of this equipment is powered by diesel, which is the air toxic pollutant with the highest impact in this community. The community includes more than 30.5 miles of freeways and 5 railyards, and many of these are located near residential areas ([Figure 3a-5](#)).

Understanding the community's public health and socioeconomic profile helps to provide context for the work being done through this CERP. CalEnviroScreen 3.0 is a screening tool developed by the California Office of Environmental Health Hazard Assessment (OEHHA) that is used to identify communities that are most affected by various sources of pollution, and where people are especially vulnerable to the effects of pollution. The CalEnviroScreen 3.0 data show that this community has public health factors, as well as social and economic factors, that make the community more sensitive and vulnerable to the harmful effects of air pollution compared to statewide averages ([Figure 3a-6](#) and [Figure 3a-8](#)). These data show that, on average, the East Los Angeles, Boyle Heights, West Commerce

community has generally worse public health factors and more social and economic disadvantages compared to California as a whole. The public health factors specifically show that this community has higher rates of emergency department visits for asthma and heart disease, and babies born with a low weight in comparison to statewide averages.

Figure 3a-76: CalEnviroScreen 3.0 scores for public health factors in East Los Angeles, Boyle Heights, West Commerce compared to statewide averages

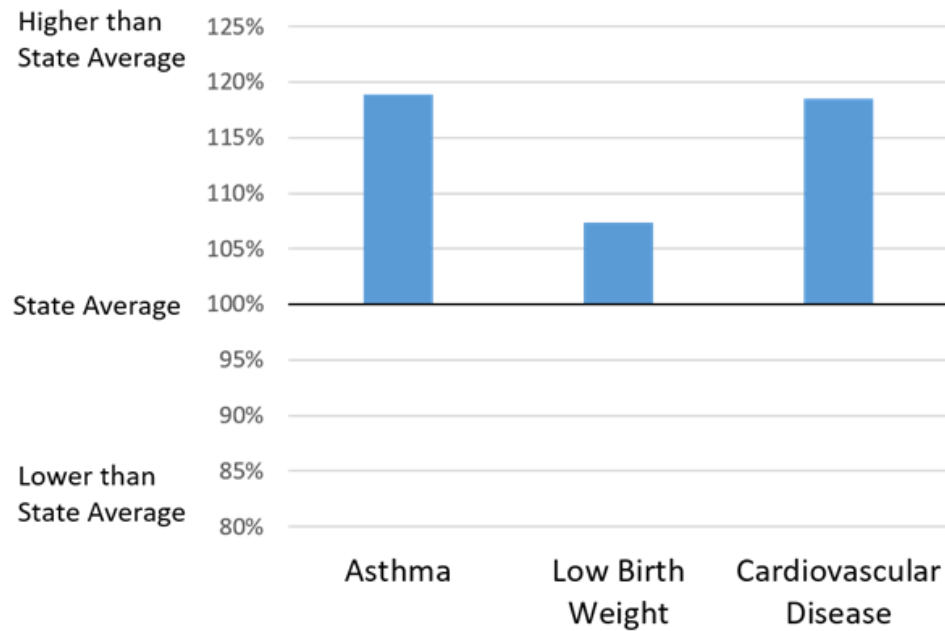
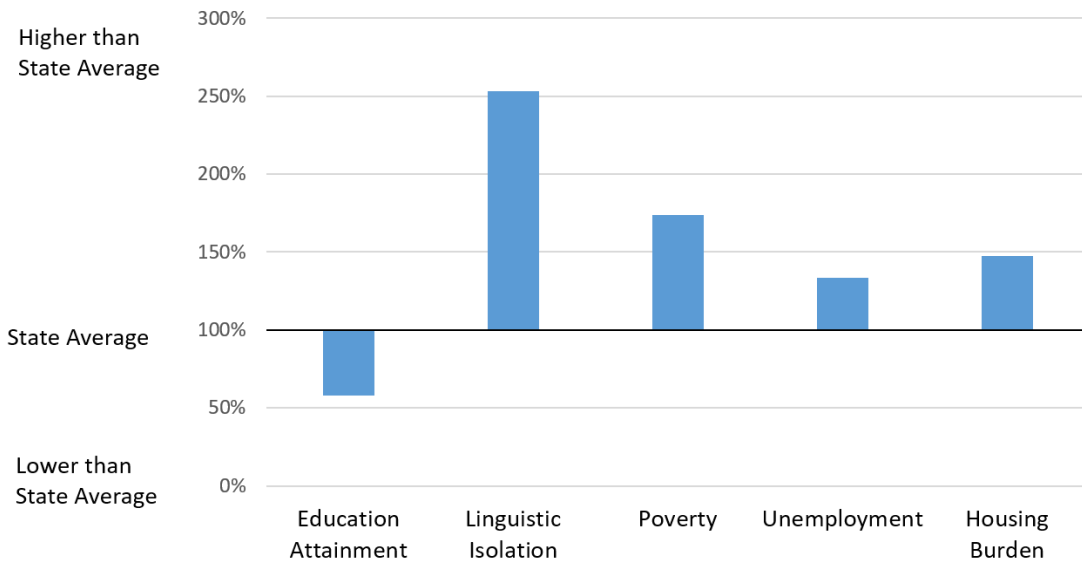




Figure 3a-87: CalEnviroScreen 3.0 scores for social and economic factors in East Los Angeles, Boyle Heights, West Commerce compared to statewide averages<sup>v,vi</sup>



## References

1. South Coast AQMD, Community Air Monitoring Plan (CAMP) for the East Los Angeles, Boyle Heights, West Commerce community, <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/elabhwc-camp.pdf>, Accessed July 3, 2019.
2. Office of Environmental Health Hazard Assessment. CalEnviroScreen 3.0. <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>, Accessed July 3, 2019.

<sup>v</sup> The metric of Educational Attainment in CalEnviroScreen 3.0 is defined as the percent of people whose highest level of education is less than a high school education. A lower percentile score shown in the blue bar on the graph for this metric means the community has fewer people who have completed a high school education.

<sup>vi</sup> The metric of Linguistic Isolation in CalEnviroScreen 3.0 is defined as the percent of households where no one over age 14 speaks English well. A higher percentile score shown in the blue bar on the graph for this metric means there are more households that meet this definition.

---

# CHAPTER 3B:

## COMMUNITY PROFILE SOURCE ATTRIBUTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 3b: Emissions Inventory and Source Attribution

### Introduction

The Community Emission Reduction Plan (CERP) identifies air quality priorities based on community input and from evaluating technical data on emission sources in the community. The Community Emissions Reduction Program (CERP) needs to identify air pollution challenges that each community faces, and defines actions and strategies to reduce the emissions and exposure burden from sources of criteria air pollutants (CAPs) and toxic air

contaminants (TACs). To accurately determine emission reductions from these actions and strategies, a baseline reference needs to be established. The baseline reference can be achieved through an emissions inventory that includes ~~Thus, rigorous~~ accounting of sources and their resulting emissions. ~~are required to produce an accurate emissions inventory that will serve as a baseline reference from which emission reductions can be measured.~~ This rigorous accounting of sources, their emissions and their contribution to cumulative exposure burden is what the CARB guidelines identify as source attribution analysis. Per the direction of CARB guidelines, source attribution is required to meet the following AB 617 statutory requirements:

#### Chapter 3b Highlights

- Information about the sources of air pollution in this community is presented in a “source attribution” analysis
- Diesel particulate matter is currently the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources
- Other key air toxic pollutants in this community are hexavalent chromium (from industry and brake wear) and 1,3-butadiene (mostly from the chemical industry)
- Volatile organic compounds (VOCs) come primarily from consumer products (e.g., paints, cleaners, etc.)
- In future years, diesel emissions decrease substantially due to CARB regulations, but continues to be the main driver of air toxics cancer risk in this community

*California Health and Safety Code § 44391.2 (b) (2) directs CARB to provide “[a] methodology for assessing and identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities...”*

CARB recommended five technical approaches to conduct source attribution analysis. They are emissions inventory, air quality modeling, targeted air monitoring/back trajectory/pollution roses/inverse modeling, chemical mass balance and positive matrix factorization. Among them, based on the availability of data and resources, an emissions inventory and an air quality modeling analysis are source attribution tools employed to identify sources contributing to air

pollution levels in the community, with an emphasis on identifying sources within the community (emissions inventory). More information on source attribution methods is included in the Source Attribution Methodology report.<sup>1</sup> The most recent air quality modeling analysis was conducted as part of the Multiple Air Toxics Exposure Study (MATES IV) in 2015, which showed Diesel Particulate Matter (DPM) was the air pollutant that contributed most to the air toxics cancer risk in the South Coast AQMD, with the ELABHWC community having higher air toxics cancer risk compared to the overall average (Figure 3a-5). A community-specific emissions inventory was developed for ~~criteria air pollutants (CAPs)~~ and TACs based on the most recent available datasets.

The ELABHWC community contains some obvious sources of air pollution, including over 30 miles of major freeways and 5 major rail yards within the community that support the goods movement industry. The community also includes a wide range of industrial facilities, including metal processing, surface coatings, auto body shops, rendering facilities, and warehousing that attracts heavy-duty truck traffic. The source attribution analysis highlights that in the year 2017, on-road and off-road mobile sources were the predominant sources of DPM, with the major contributors being heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. In this community, stationary sources and area sources are the main sources of hexavalent chromium and 1,3-butadiene, with fuel combustion in manufacturing and coating industries being the main source of hexavalent chromium, and the chemical industry as the major source for 1,3-butadiene emissions. The analysis presented in this chapter provides further details on the sources of VOCs and PM<sub>2.5</sub>. Projected emissions in future years show decreases in DPM emissions, although DPM continues to be the main contributor to air toxics cancer risk.

While detailed methodology to develop these emissions is provided in the Source Attribution Methodology report<sup>2</sup>, the community-level emissions and their sources are discussed in this report, including base year emissions of CAPs and TACs and future emissions of CAPs and TACs. ~~Base year emissions of CAPs and TACs are provided in section 2. Future year emissions of CAPs and TACs are discussed in section 3, and a summary is provided in section 4.~~

### Base year emissions inventory and source attribution

#### ~~Overall profiles of CAPs and TACs~~

A variety of sources contribute to the emissions of criteria pollutants in the East Los Angeles, Boyle Heights, West Commerce community, with different sources emitting different air pollutant species NO<sub>x</sub> emissions are related to combustion sources. In this community, on-road mobile sources are the largest emitters of NO<sub>x</sub>, with heavy-duty trucks being the largest contributor. Off-road mobile sources are the second largest contributor to NO<sub>x</sub>, and includes trains and off-road equipment. Area sources of NO<sub>x</sub> are mainly from fuel combustion for space and water heating at commercial businesses and homes, whereas point sources include a large mineral processing plant, manufacturing facilities, and electric utilities.

VOC emissions mostly come from area sources, specifically from consumer products and outdoor paints (architectural coatings), as well as vehicle exhaust. The largest contributors to PM<sub>2.5</sub> emissions are from area sources, such as commercial cooking, residential wood burning (residential fuel combustion), and paved road dust. PM is also emitted from mobile sources via vehicle exhaust and tire and brake wear. While paved road dust is also related to vehicles traveling on roads, it is considered as an area source rather than a mobile source. It is important to note that ambient PM<sub>2.5</sub> concentrations in the community have decreased steadily in the past decades due to the reductions of PM<sub>2.5</sub> precursor emissions such as NO<sub>x</sub>, SO<sub>x</sub>, and VOC. Ambient PM<sub>2.5</sub> can be either formed through chemical reactions of its precursor pollutants or be emitted directly from sources. In the South Coast Air Basin ~~including~~including this community, majority of ambient PM is chemically produced rather than ~~directly~~directly emitted from sources. Accordingly, even if PM<sub>2.5</sub> emission has not decreased much, ambient PM<sub>2.5</sub> concentrations have been improved substantially. South Coast Air Basin is close to the attainment of the U.S. EPA's ambient air quality standards for PM<sub>2.5</sub>.

TAC emissions from point sources were compiled from the emissions reported by facilities. TAC emissions from area, on-road, and off-road sources were calculated using chemical speciation profiles applied to PM or TOG emissions. Details on the chemical speciation profiles are provided in a separate Source Attribution Methodology report<sup>1</sup>. In total, 22 air toxic pollutants were analyzed and included in this report. This list of air toxic pollutants is consistent with the list of TACs that facilities are required to report under the South Coast AQMD Annual Emissions Reporting (AER) program, except chlorofluorocarbons (CFCs) and ammonia were not included. CFCs do not have an associated air toxics cancer risk, whereas ammonia is included in the CAPs inventory because is a PM precursor.

The contribution from point, area, on-road and off-road emission sources to TACs emissions in this community are presented in Figure 3b-2. Note that the emissions in the figure are weighted based on the air toxics cancer risk of each TAC relative to diesel PM (DPM). For example, Cr<sup>6+</sup> has an approximately 464 times higher air toxics cancer risk than DPM per unit weight. Thus, Cr<sup>6+</sup> emissions are multiplied by 464 to estimate the air toxics cancer-risk-weighted emissions of Cr<sup>6+</sup>. The units in the air toxics cancer risk-weighted DPM-equivalent emissions are expressed in pounds per year (lbs/year). This weighting approach enables a comparison of the contribution of each TAC to overall air toxics cancer risk using a consistent scale. Cancer risk factors are calculated using cancer potency and basin-average inhalation rates. Since the cancer-risk weighted factors are relative to the DPM risk factor, relative weighting factors using cancer risk should be equivalent to weighting factors calculated using cancer potency. However, due to precision and rounding errors, weighting factors using cancer risk might not be identical to the weighting factors calculated using cancer potency for some TACs. Figure 3b-2 indicates that DPM is the largest contributor to the overall air toxics cancer risk in the community, followed by hexavalent chromium, 1,3-butadiene, and benzene. Figure 3b-2 also indicates the major source categories from which the major TACs originate. Most of the DPM is emitted from mobile sources. A

significant portion of  $\text{Cr}^{6+}$  is emitted from on-road mobile sources, mostly from brake wear. A detailed emission inventory by major source categories is provided in the Appendix 3b.

Figure 3b-1: Contribution of major source categories to NO<sub>x</sub> emissions, TOG emissions, PM<sub>2.5</sub> emissions in the East Los Angeles, Boyle Heights, West Commerce community in 2017 (tons/year)

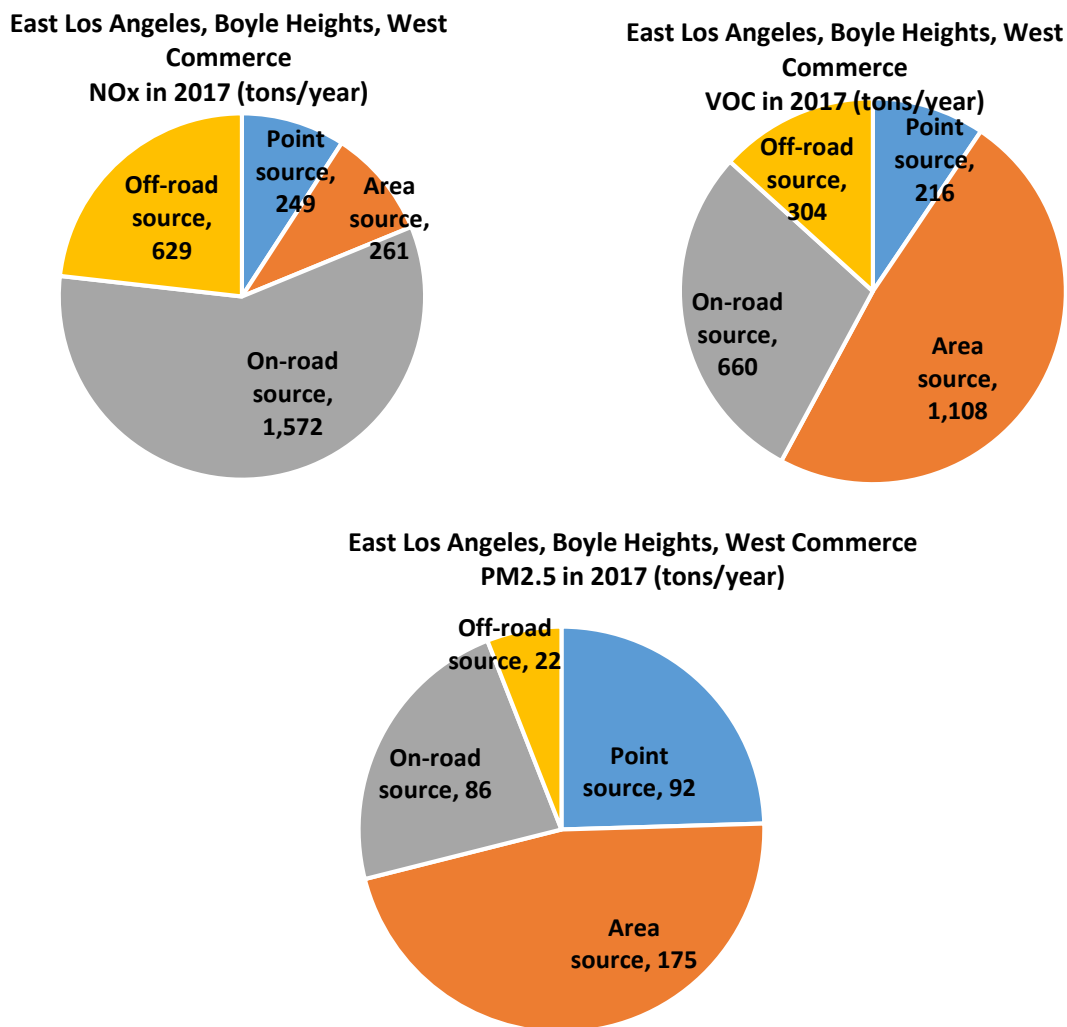
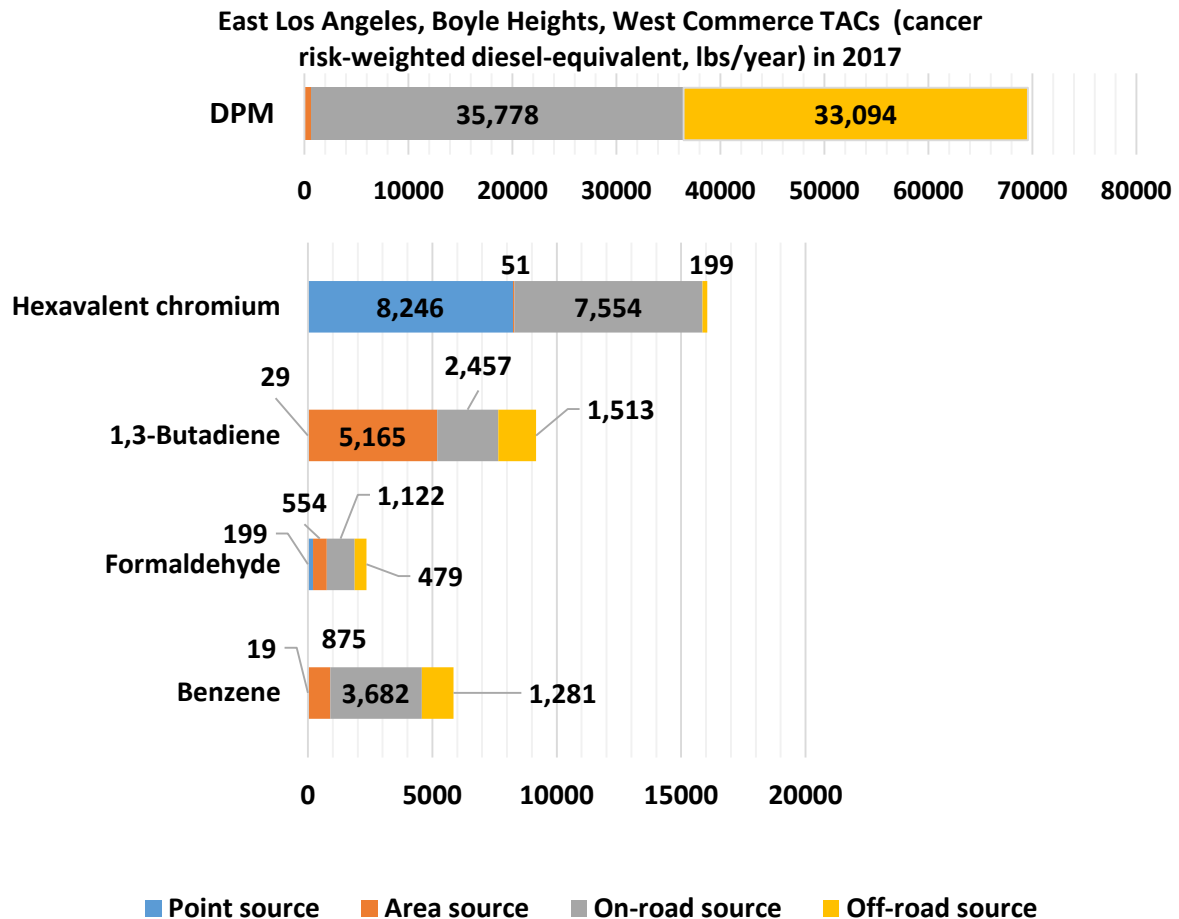


Figure 3b-2: Contribution of major sources to toxic air contaminant emissions (air toxic cancer risk-weighted diesel-equivalent, lbs/year) in the East Los Angeles, Boyle Heights, West Commerce community in 2017. Note the different scale for Diesel PM with respect to the other air toxics





### Stationary and Area Sources

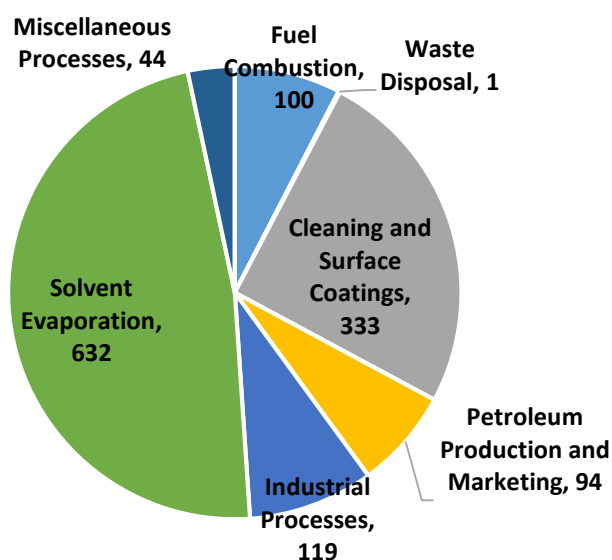
Figure 3b-3 provides the source attribution of VOC and PM<sub>2.5</sub> emissions from stationary sources in the ELABHWC community in 2017. The largest contribution to VOC emissions is from solvent evaporation from consumer products. A wide range of industries also contribute significantly to total VOC emissions from stationary sources, with degreasing and surface coating being the second largest source of VOC from stationary and area sources, and gas stations (petroleum marketing) also being a significant source of VOC emissions.

Emissions of PM<sub>2.5</sub> in the ELABHWC community originate from a wide range of activities, including commercial cooking, residential and commercial fuel combustion, and paved road dust. In addition, emissions from various industries including electricity generation, mineral processing, and manufacturing contribute to total PM<sub>2.5</sub> emissions.

Figure 3b-4 illustrates the emissions of the major TACs from stationary and area sources in the community. The emissions of each pollutant are weighted by their corresponding air toxics cancer risk relative to Diesel PM. In this community, hexavalent chromium and 1,3-butadiene are the most predominant air toxics from stationary and area sources. Hexavalent chromium is emitted from fuel combustion in manufacturing, and from coating industries (Figure 3b-5), whereas the major source for 1,3-butadiene emissions is from the chemical industry.

Figure 3b-3: Source attribution of VOC emissions and PM2.5 emissions from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community for the year 2017

**East Los Angeles, Boyle Heights,  
West Commerce stationary and area VOC in 2017  
(tons/year)**



**East Los Angeles, Boyle Heights, West Commerce  
stationary and area PM2.5 in 2017 (tons/year)**

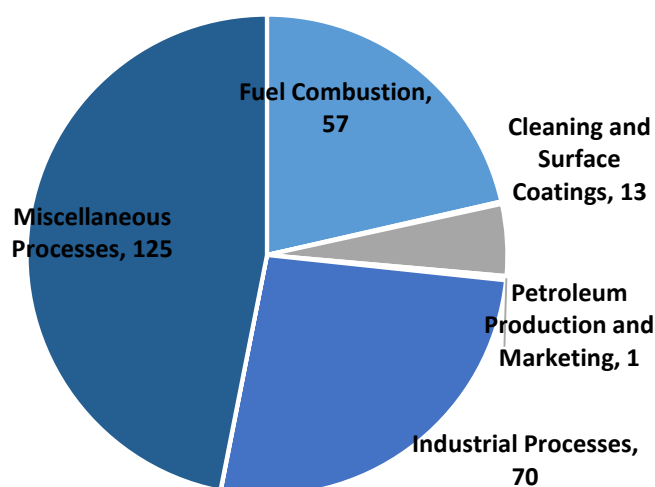


Figure 3b-4: Toxic air contaminant emissions, weighted by air toxics cancer risk, from stationary sources in the East Los Angeles, Boyle Heights, West Commerce community for the year 2017, unit in lbs/year

**East Los Angeles, Boyle Heights, West Commerce air toxics from stationary and area in 2017 (lbs/year)**

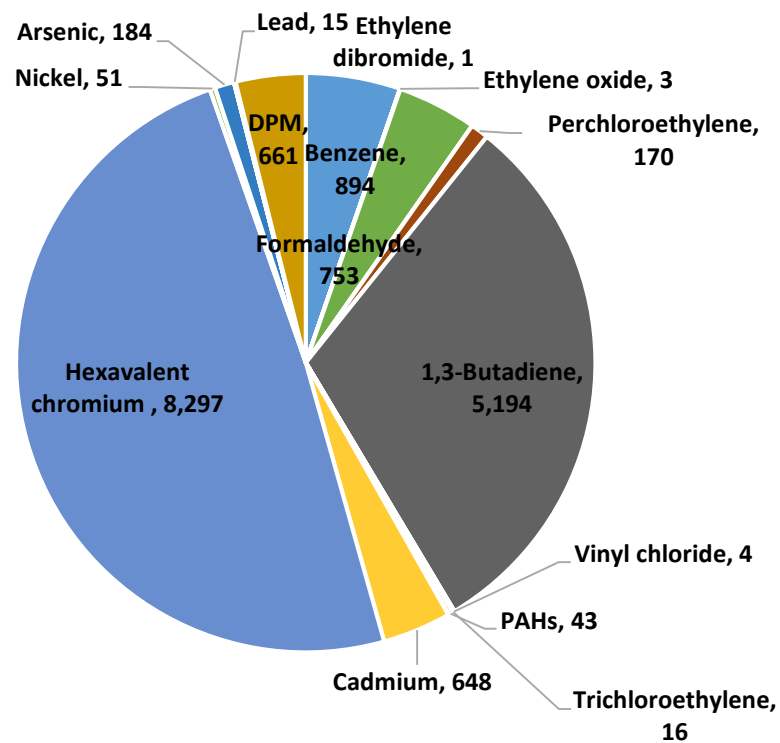
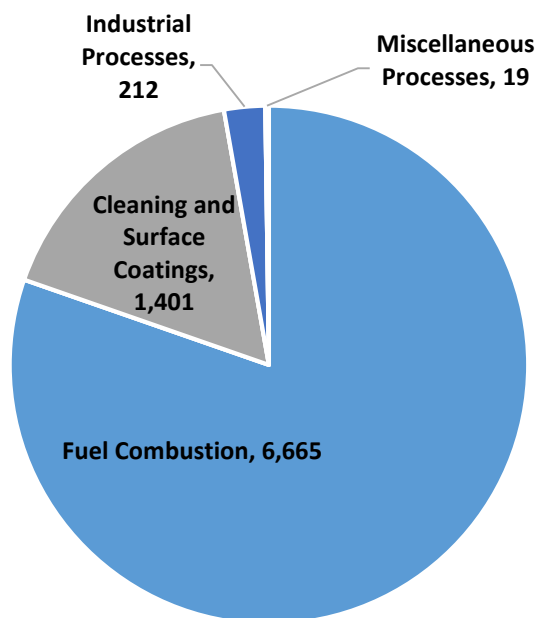


Figure 3b-5: Source attribution of Cr<sup>6+</sup> emissions from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community for 2017 (weighted by air toxics cancer risk, in lbs/year)

East Los Angeles, Boyle Heights, West Commerce Cr<sup>6+</sup>  
stationary and area in 2017 (lbs/year)



### On-road Mobile Sources

In this community, passenger vehicles and light- and medium-duty vehicles contribute to the majority of VOC and PM<sub>2.5</sub> emissions (Figure 3b-6). VOC emissions are mostly from gasoline vehicles<sup>i</sup>, and, as a result, passenger cars are the main contributor to VOC emissions because of the large the number of vehicles and miles travelled by these types of vehicles. PM<sub>2.5</sub> emissions from on-road sources are from fuel combustion as well as from tire and brake wear. Light and medium duty vehicles are the main contributors to the total emissions of PM<sub>2.5</sub>, because these vehicles travel the most miles within the community. Even though heavy-duty trucks drive less than 10% of the total vehicle miles travelled in Los Angeles County, heavy-duty trucks contribute to more than 25% of the total PM<sub>2.5</sub> emissions from on-road sources<sup>ii</sup>.

Toxic emissions from on-road sources are largely dominated by DPM (Figure 3b-7). The largest contributor to DPM emissions is diesel-fueled heavy-duty trucks, so the largest impacts from on-

<sup>i</sup> These emissions are largely related to evaporative and running losses

<sup>ii</sup> Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.

road sources in the community are concentrated along the main goods movement corridors. The second largest contributor to air toxics cancer risk from on-road sources is hexavalent chromium, which is emitted from brake wear<sup>iii</sup> and, to a smaller extent, from fuel combustion.

Other TACs emitted from on-road sources include benzene, 1,3-butadiene and formaldehyde. The source of benzene is from evaporative losses and from the incomplete combustion of gasoline, whereas formaldehyde and 1,3-butadiene emissions are generated from fuel combustion.

---

<sup>iii</sup> A small fraction of hexavalent chromium was considered to originate from vehicle brake wear. The emission factors were empirically adjusted for the MATES IV analysis. While this approach worked reasonably well for the MATES analysis, further evaluation may be required for adapting this adjustment to more recent data. For example, an adjustment may be required to reflect cleaner vehicle fuels compared to those in use during previous MATES.

Figure 3b-6: Source attribution of VOC emissions and PM2.5 emissions from on-road sources in the East Los Angeles, Boyle Heights, West Commerce community for 2017

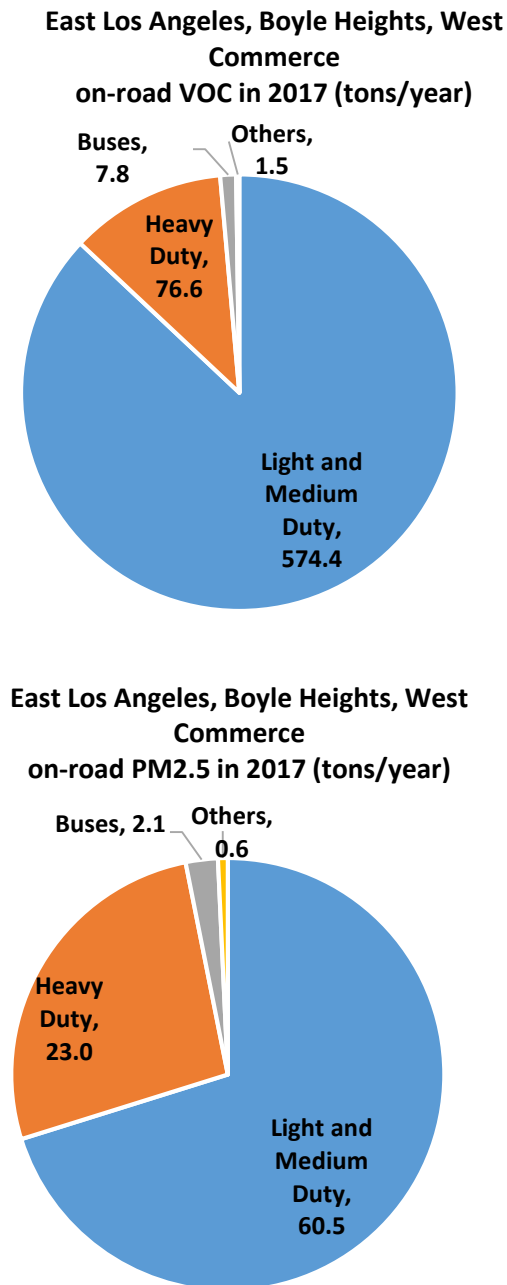


Figure 3b-7: Toxic air contaminant emissions, weighted by air toxics cancer risk, from on-road mobile sources in the East Los Angeles, Boyle Heights, West Commerce community for the year 2017, unit in lbs/year

**2017 TAC from on-road sources  
East LA, Boyle Heights, West Commerce (lbs/year)**

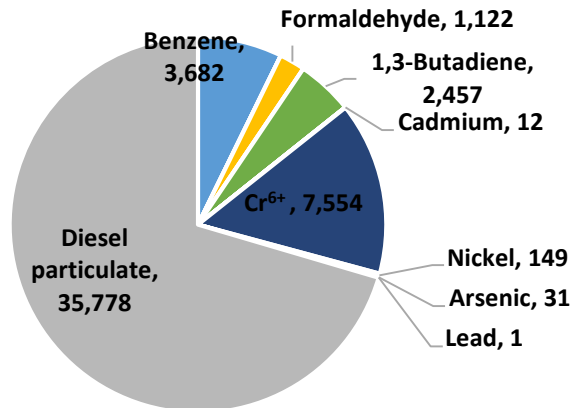
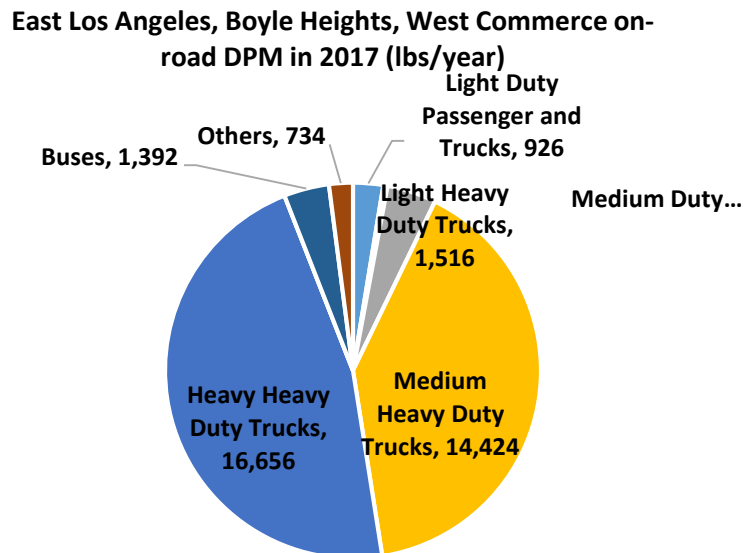


Figure 3b-8: Source attribution of DPM emissions from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community for 2017 (weighted by air toxics cancer risk, in lbs/year)



### Off-Road Mobile Sources

Figure 3b-9 presents the major sources of VOC and PM<sub>2.5</sub> emissions from off-road sources. The largest contributor to total VOC from off-road sources in the community is small off-road equipment. This category includes small off-road spark-ignition engines used in lawn and garden equipment, industrial, logging, airport ground support, and commercial utility equipment, golf carts, and specialty vehicles. Other significant sources of VOC include evaporative emissions from fuel storage and handling, recreational boats and recreational vehicles, and emissions from trains. Although there is no major waterway or waterbody in the ELABHWC community, boats that are parked in the community still emit pollutants through fuel evaporation.

As in the case of VOC emissions, the largest off-road source contributing to PM<sub>2.5</sub> emissions is from small off-road equipment. The second largest contribution to PM<sub>2.5</sub> emissions from off-road sources in the community is from trains. There are 5 large railyards within the community boundaries, and some of them are near residential areas.

Figure 3b-10 presents the contribution of TAC emissions from off-road sources in the ELABHWC community. Diesel PM is the toxic air contaminant that contributes the most to total air toxics cancer risk in the community from off-road sources. The two main sources of DPM are trains and diesel off-road equipment (Figure 3b-11).



Figure 3b-9: Source attribution of VOC emissions and PM2.5 emissions from off-road sources in the East Los Angeles, Boyle Heights, West Commerce community for the years 2017

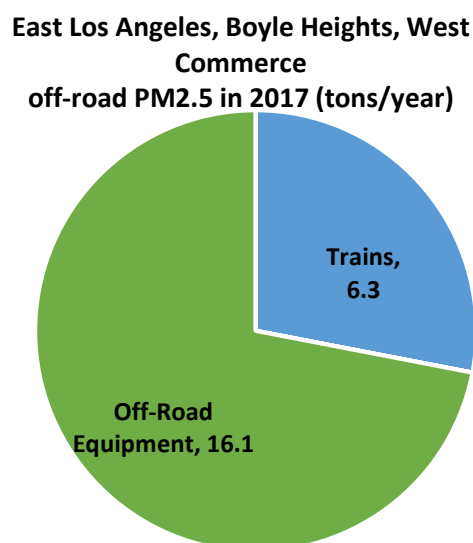
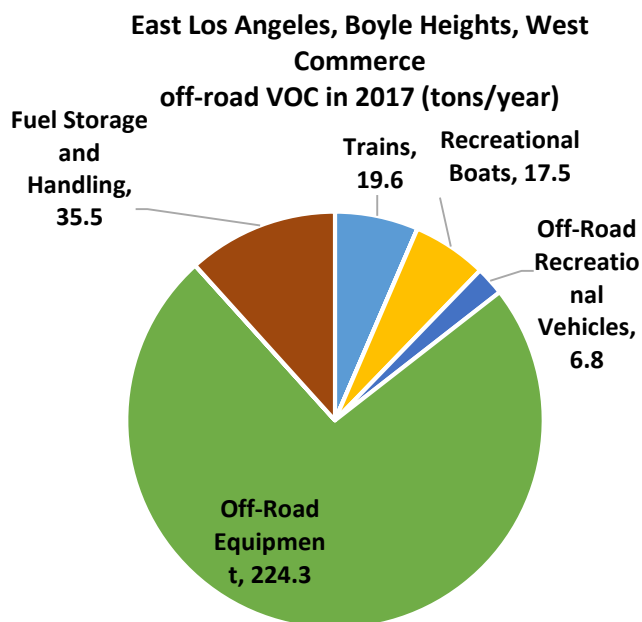


Figure 3b-10: Toxic air contaminant emissions, weighted by air toxics cancer risk, from off-road sources in the East Los Angeles, Boyle Heights, West Commerce community for the year 2017, unit in lbs/year

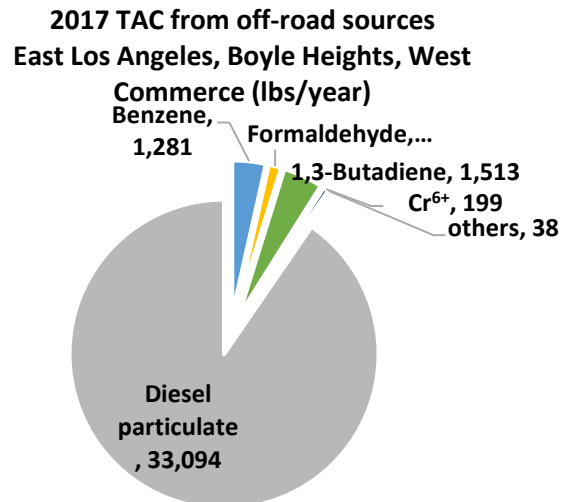
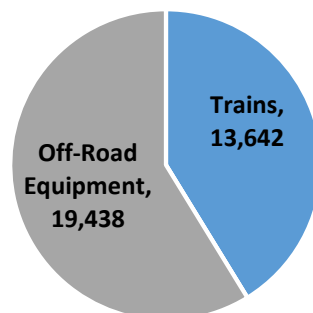


Figure 3b-11: Source attribution of DPM emissions from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community for 2017 (weighted by air toxics cancer risk, in lbs/year)

**East Los Angeles, Boyle Heights, West Commerce  
off-road DPM  
in 2017 (lbs/year)**



#### Trends of emission changes for CAPs and TACs

Future emissions of CAPs and TACs in the ELABHWC community are projected using the best available information for population growth, economic growth and emission adjustments reflecting ongoing or proposed regulations targeting specific air pollutants. To date, there are ten (10) facilities within the community boundary subject to Rule 1407 – Control of Emissions of

Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations and/or Rule 1420 – Emissions Standard for Lead that regulate toxic emissions from metal melting operations; five (5) facilities subject to ~~the~~ Rule 1426 that regulates electroplating operations – Emissions from Metal Finishing Operations; eight (8) facilities subject to Rule ~~1496~~–1469 – Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations that regulates and/or Rule 1420 that regulates toxic emissions from metal melting operations; five (5) facilities subject to ~~the~~ Rule 1426 that regulates electroplating operations; and eight (8) facilities subject to Rule 1496 that regulates toxic emissions from electroplating and chromic acid anodizing operations. Furthermore, on-road DPM emissions from heavy-duty diesel vehicles in this community will be subject to ~~diesel~~ CARB's Truck and Bus Regulations enacted after 2017<sup>iv</sup>. Off-road diesel equipment is also subject to state regulations that will reduce DPM emissions. South Coast AQMD is developing various regulations to reduced NOx and VOC emissions since the adoption of the 2016 AQMP in March 2017. However, control factors for those newer regulations are under development and not reflected in the current inventory. The cutoff date for stationary NOx and VOC rules is December 2015. Future versions of emission inventory will reflect the newer regulations.

Figure 3b-12 presents the projected major CAPs emissions (NOx, VOC and PM2.5) in the ELABHWC community in the two future target years 2024 and 2029, along with the base year 2017. The NOx emissions in the community are expected to decrease substantially between the year 2017 (2,710 tons/year) to the year 2024 (1,841 tons/year), due to the existing regulations on mobile sources and the emission reduction commitments under the RECLAIM program. The NOx emissions in 2029 are projected to rise slightly (to 1,851 tons/year) due to the expected increase in industrial and mobile source activity projections. VOC emissions are expected to decrease by 10% between the years 2017 and 2029, mostly due to cleaner vehicle emissions. Unlike NOx and VOC emissions, PM2.5 emissions remain virtually unchanged, with less than a 1% change during the period from 2017 to 2029.

Trends for TAC emissions are shown in Figure 3b-13. Diesel PM continues to dominate the TACs emission inventory in future years, despite a significant reduction in DPM from heavy-duty trucks. DPM decreases by 60% from 2017 (69,553 lbs/year) to 2024 (26,425 lbs/year), and continues to decline through 2029 (22,327 lbs/year). Hexavalent chromium is the second largest contributor to air toxics cancer risk, and increases slightly from 2017 to 2029, due to an increase in brake wear emissions and projected industrial activity growth. The third largest contributor to air toxics cancer risk is 1,3-butadiene, whose emissions remain relatively stable due to slight increases in industrial emissions offset by reductions in emissions from vehicles. Benzene and formaldehyde emissions decrease throughout the 12 year period due to decreases in the emissions from

<sup>iv</sup>CARB's Truck and Bus Regulations: <https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation>

vehicles, whereas emissions from metals, i.e., cadmium, nickel, arsenic and lead, show a slight increasing trend due to projected industrial activity growth.

It is important to note that many of the South Coast AQMD regulations addressing toxic metal pollution emissions from industrial facilities (e.g. South Coast AQMD Rule 1407 and Rule 1469) include requirements that reduce fugitive emissions from these facilities. Fugitive emissions can often account for the vast majority of the toxic metal emissions from a facility. Unfortunately, the methods available to create an emissions inventory are not able to reflect fugitive emissions from these facilities. Therefore, while the inventory may not show an overall decrease in toxic metal emissions the regulations result in overall decreased emissions due to reductions in fugitive emissions.

Figure 3b-12: The community total emission trends for NO<sub>x</sub>, VOC & PM<sub>2.5</sub> (tons/year) for the years of 2017, 2024 and 2029

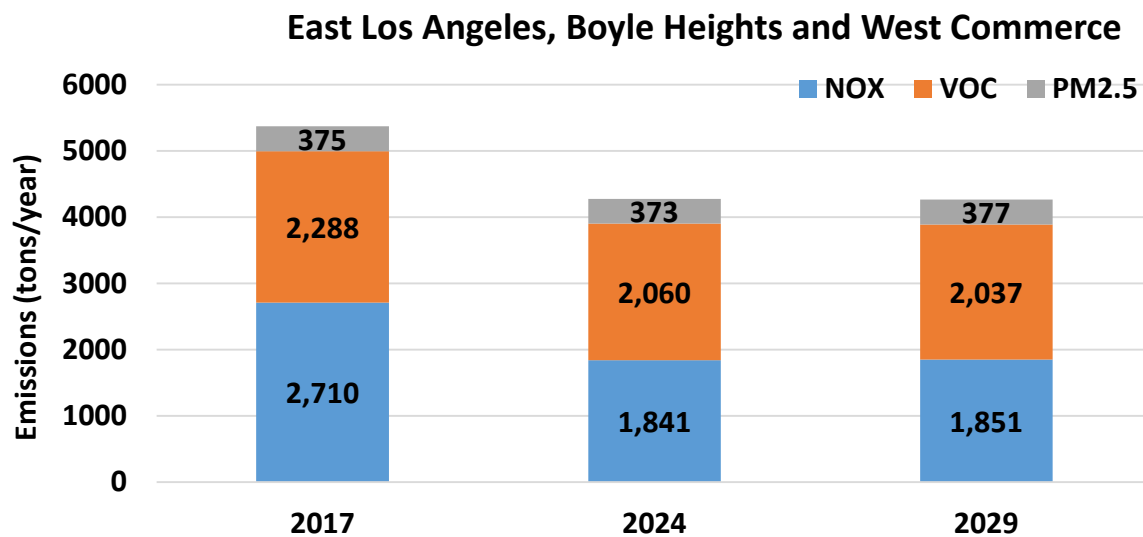


Figure 3b-13: The community total emission trends for toxic air contaminants (air toxics cancer risk-weighted diesel-equivalent emissions, lbs/year) for the years of 2017, 2024 and 2029

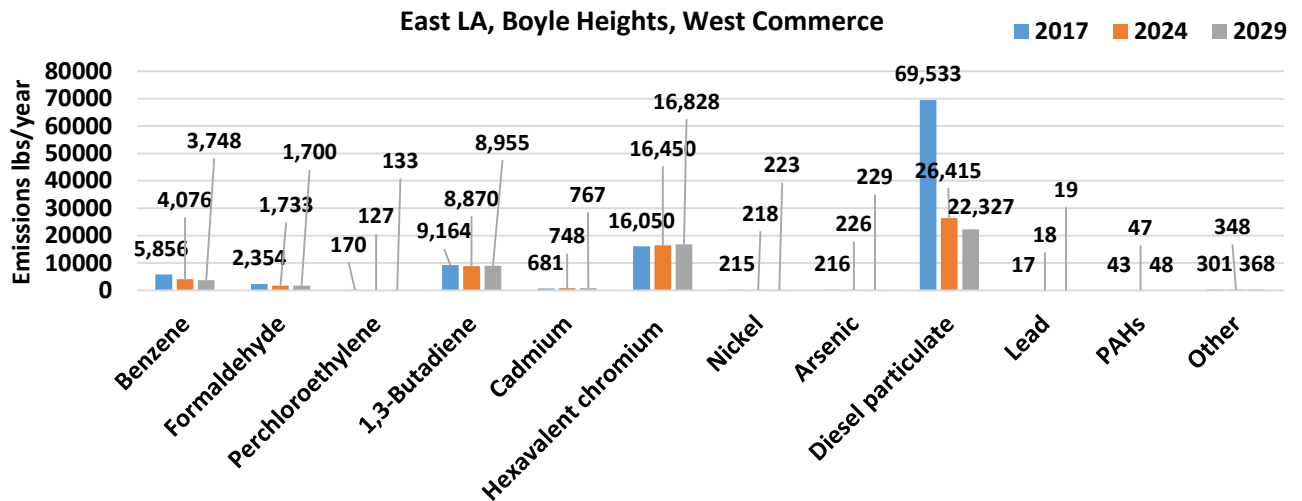
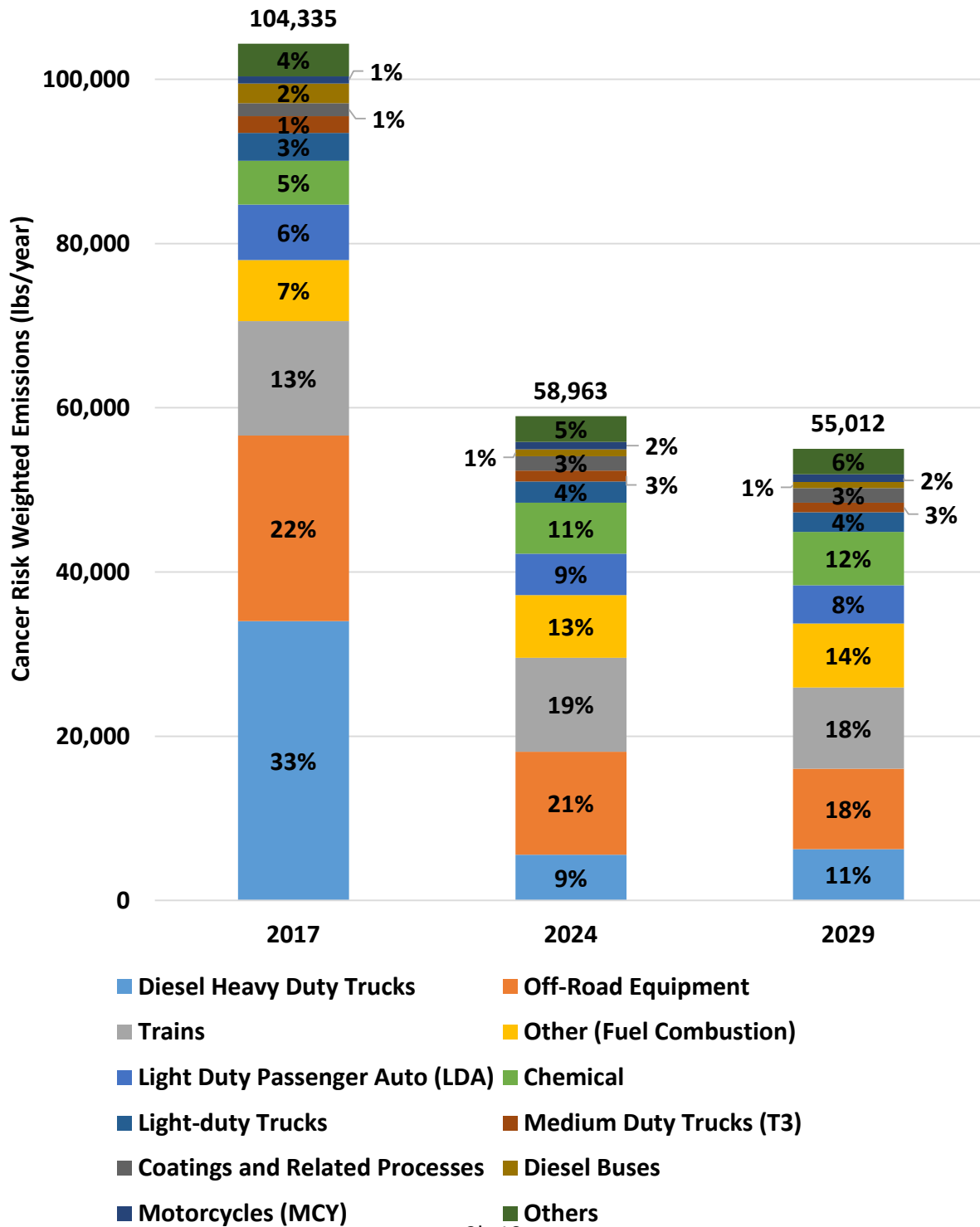


Figure 3b-14<sup>v</sup> presents the cumulative TAC emissions by the major categories for the three years of interest. The overall cancer-risk-weighted emissions decreased between 2017 and 2029. In particular, diesel heavy duty trucks and off-road equipment decreased substantially over the 12-year period, driving down the overall TAC emissions.

<sup>v</sup> \*Numbers may not add up due to rounding

Figure 3b-14: Toxic air contaminant emissions from all sources in the East Los Angeles, Boyle Heights, West Commerce community, shown by major categories. Emissions are weighted based on their cancer risk relative to DPM



### Stationary and Area Sources

Community-level emissions of NO<sub>x</sub>, VOC and PM<sub>2.5</sub> from stationary and area sources are presented in [Figure 3b-15](#) for the years 2017, 2024 and 2029. NO<sub>x</sub> emissions are expected to decline from 2017 to 2024, due to the emission reductions from RECLAIM facilities.<sup>vi</sup> VOC and PM<sub>2.5</sub> emissions are expected to grow gradually due to growth in population, and in economic and industrial activities.

Emissions of hexavalent chromium and 1,3-butadiene are the largest contributors to total toxic emissions from area and stationary sources ([Figure 3b-16](#)), and are expected to rise from 2017 to 2029 due to the projected industrial activity growth during the same period. Hexavalent chromium is emitted from fuel combustion in manufacturing, and from coating industries, whereas the major source for 1,3-butadiene emissions is from the chemical industry. Emissions of other TACs that are primarily emitted from industrial activities, i.e., formaldehyde, cadmium, arsenic, nickel, and lead, are also expected to increase due to industrial growth. Only benzene, DPM, and perchloroethylene emissions are expected to decline due to on-going regulations.

---

<sup>vi</sup> NO<sub>x</sub> RECLAIM is an emission cap-and-trade program that includes larger stationary sources located in the Basin. The current regulation, Rule 2002 requires 12 tons per year of NO<sub>x</sub> emission reductions from 2016 to 2022. When the rule is fully implemented in 2022, no significant changes in NO<sub>x</sub> are expected except for a slight increase from 2024 to 2029 due to the growth in economic, industrial, and commercial activities. The 2016 AQMP includes a control measure to target an additional 5 tons per year of NO<sub>x</sub> reduction from the RECLAIM facilities by 2031. The impact of the additional “NO<sub>x</sub> shave” is not reflected in the community inventory since December 2015 was the cut off for stationary source regulations to reflect on the inventory. The rulemaking to achieve additional 5 TPD NO<sub>x</sub> is still ongoing and will be reflected on the inventory when it is finalized.

Figure 3b-15: Trends in NO<sub>x</sub>, VOC and PM<sub>2.5</sub> emissions from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community. Emissions are presented in pounds tons per year

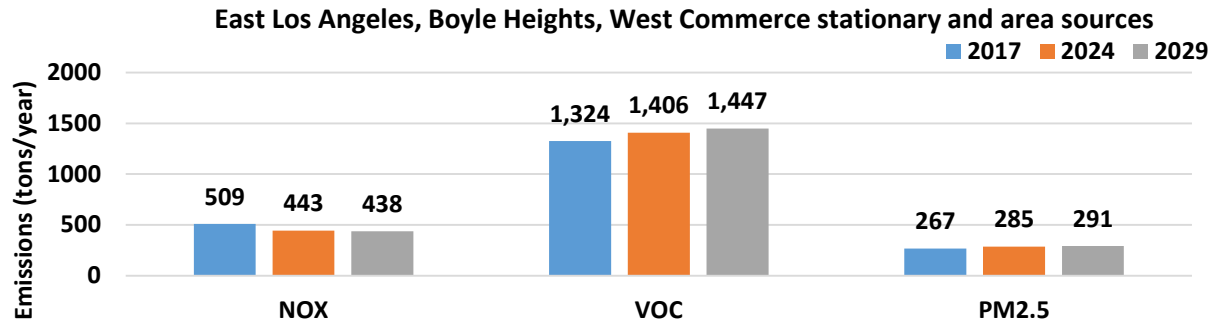
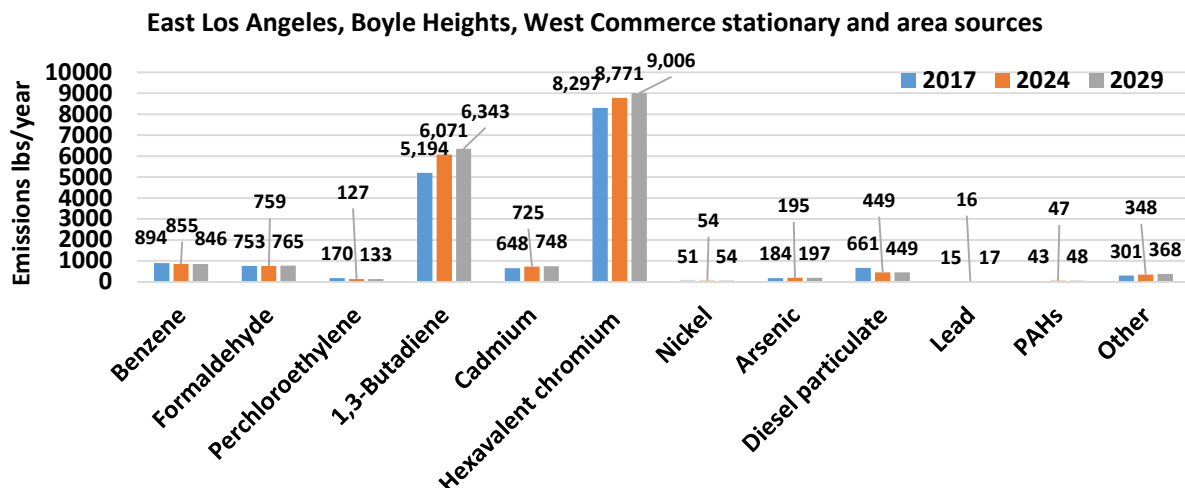


Figure 3b-16: Trends in toxic air contaminant emissions (air toxics cancer-risk-weighted diesel-equivalent, lbs/year) from stationary and area sources in the East Los Angeles, Boyle Heights, West Commerce community



### On-Road Mobile Sources

Trends for on-road emissions are presented in [Figure 3b-17](#). On-road emissions are expected to decline significantly from 2017 to 2024, due to turnover to cleaner vehicles for both light-duty vehicles and heavy-duty trucks. Vehicle emissions decreased from 2017 to 2024 despite the



projected increase in vehicle activity, i.e. vehicle-miles traveled (VMT), for most vehicle categories (Table 3b-1). After 2024, passenger vehicles will emit less NO<sub>x</sub> because the future vehicles are cleaner than current vehicles, despite an increase in VMT. On the other hand, while regulations on heavy-duty trucks after 2024 will decrease the emissions from individual trucks, the projected increase in heavy-duty truck activity offsets these gains. As a result, overall NO<sub>x</sub> emissions from on-road mobile sources increased slightly from 2024 to 2029.

VOC emissions are expected to decline for all vehicle types except for motorcycles, whose emissions are projected to grow steadily from 2017 to 2029. PM<sub>2.5</sub> emissions are expected to decline for all vehicle types from 2017 to 2024. After 2024, the effect of vehicle regulations on light-, medium- and heavy-heavy duty trucks is offset by their growth activity. Emissions of PM<sub>2.5</sub> from heavy-duty trucks are expected to increase slightly, offsetting passenger vehicle PM<sub>2.5</sub> emission reductions. As a result, overall PM<sub>2.5</sub> emissions from vehicles are projected to grow by 1 ton/year from 2024 to 2029.

Figure 3b-18 presents the trends in emissions of toxic air contaminants from on-road mobile sources, with emissions weighting based on air toxics cancer risk relative to DPM. In 2017, DPM is the pollutant contributing most to the air toxics cancer risk, followed by hexavalent chromium. However, regulations on heavy-duty diesel trucks reduce the DPM emissions drastically from 2017 to 2024. Beyond 2024, the DPM emissions from heavy-duty diesel trucks increases slightly by 2029, due to an increase in VMT; however, the DPM emissions in 2029 are still 85% lower than in 2017. Hexavalent chromium emissions are predominantly from brake wear, which is directly related to VMT, with a small contribution from fuel combustion. Because VMT from vehicles is expected to increase, so are emissions of hexavalent chromium. Benzene emissions are projected to decline due to reductions in evaporative emissions from vehicles. Formaldehyde and 1,3-butadiene emissions are projected to decrease due to expected reductions in VOC emissions from vehicle exhaust.

Table 3b-1: Trends for vehicle miles travelled (VMT) from on-road mobile sources in the East Los Angeles, Boyle Heights, West Commerce community

Year	Vehicle Categories					Total
	Light and Medium Duty	Light Heavy Duty	Medium Heavy Duty	Heavy Heavy-Duty	Buses	
2017	7,206	164	133	203	51	7,757
2024	7,316	181	193	307	57	8,054
2029	7,637	216	251	415	65	8,584

Unit in 1000 miles

Figure 3b-17: Trends in NOx, VOC and PM2.5 emissions from on-road mobile sources in the East Los Angeles, Boyle Heights, West Commerce community. Emission values in tons per year

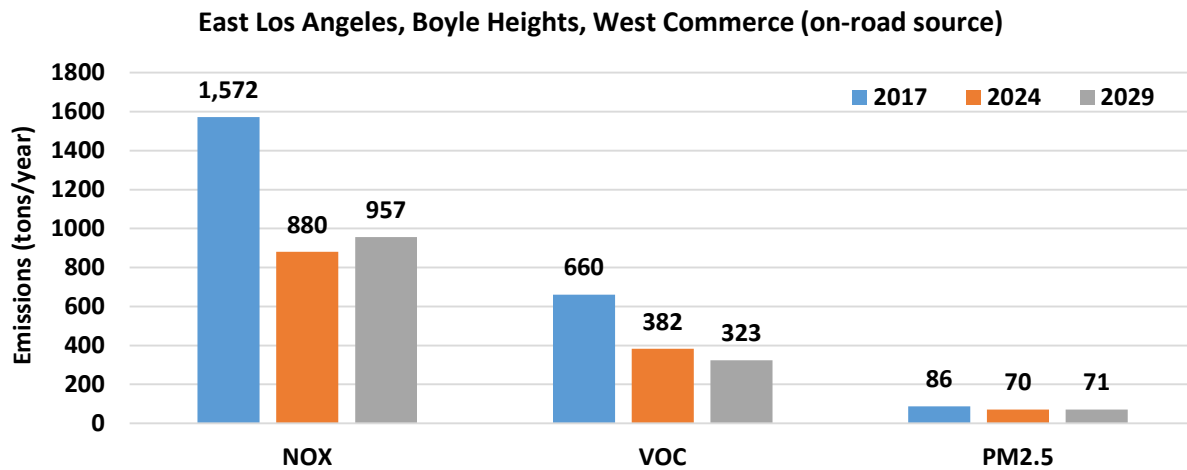
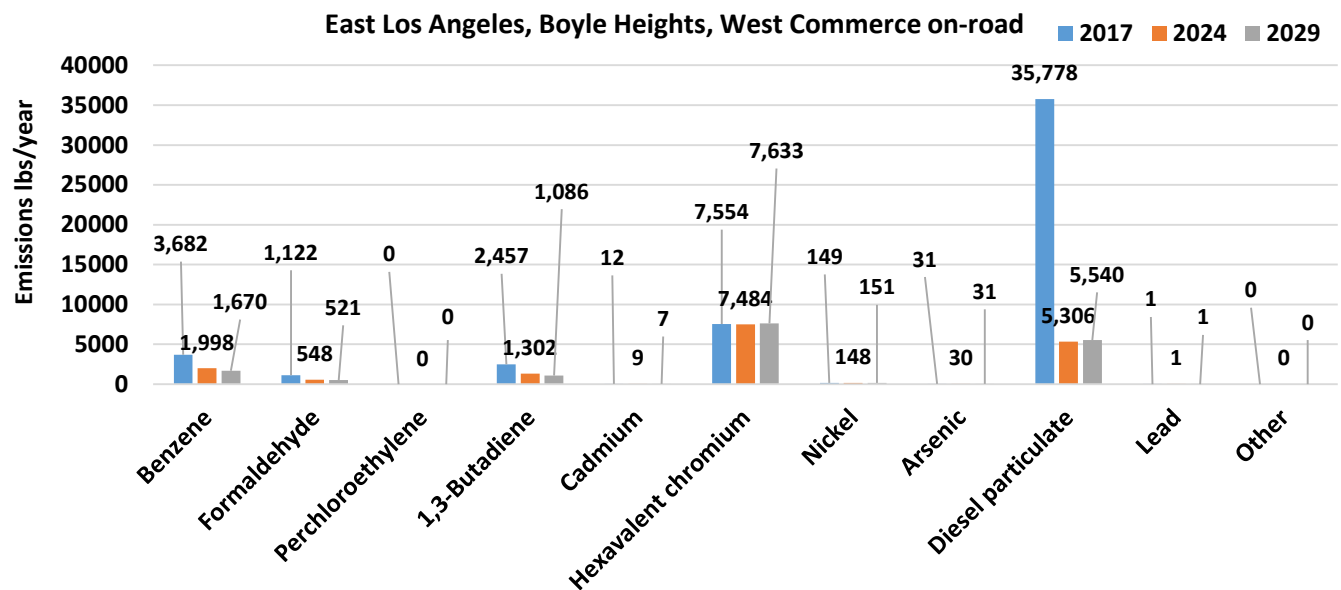


Figure 3b-18: Trends in toxic air contaminant emissions (air toxics cancer risk weighted diesel-equivalent, lbs/year) from on-road sources in East Los Angeles, Boyle Heights, West Commerce



3b-23

### Off-road mobile sources

Trends in emissions of NO<sub>x</sub>, VOC, and PM<sub>2.5</sub> from off-road mobile sources in the ELABHWC community are presented in [Figure 3b-19](#). All three pollutants are projected to decline steadily from 2017 to 2029. In general, emissions are expected to decline due to emission reductions from trains and industrial off-road equipment, due to turnover of older equipment to newer, cleaner equipment. Reductions in evaporative emissions from fuel storage handling and recreational vehicles drive the overall VOC reduction in the community.

Trends in toxic air contaminant emissions are presented in [Figure 3b-20](#). Emissions from off-road mobile sources in this community are dominated by diesel emissions from trains and heavy industrial and construction off-road equipment. Off-road equipment regulations and turnover to cleaner and more fuel-efficient locomotives reduce the overall TACs in the community. While benzene and 1,3-butadiene decrease from 2017 to 2024, the projected increase in industrial activity through 2029 reverts the effect of regulations shown in the 2017-2024 period. The emissions of the remaining TACs are projected to decline as a result of regulations.

Figure 3b-19: Trends in NO<sub>x</sub>, VOC and PM<sub>2.5</sub> emissions from off-road mobile sources in the East Los Angeles, Boyle Heights, West Commerce community. Emission values in tons per year

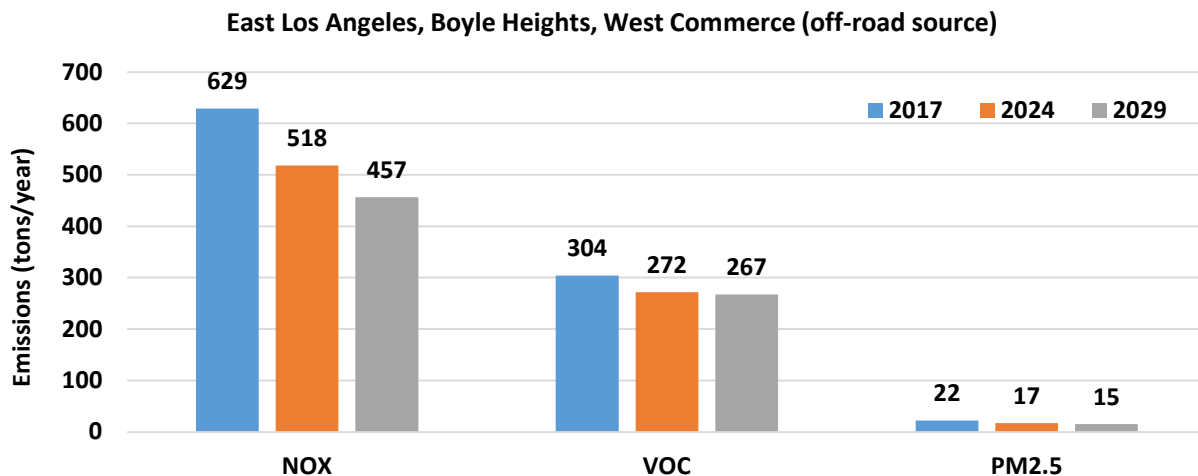
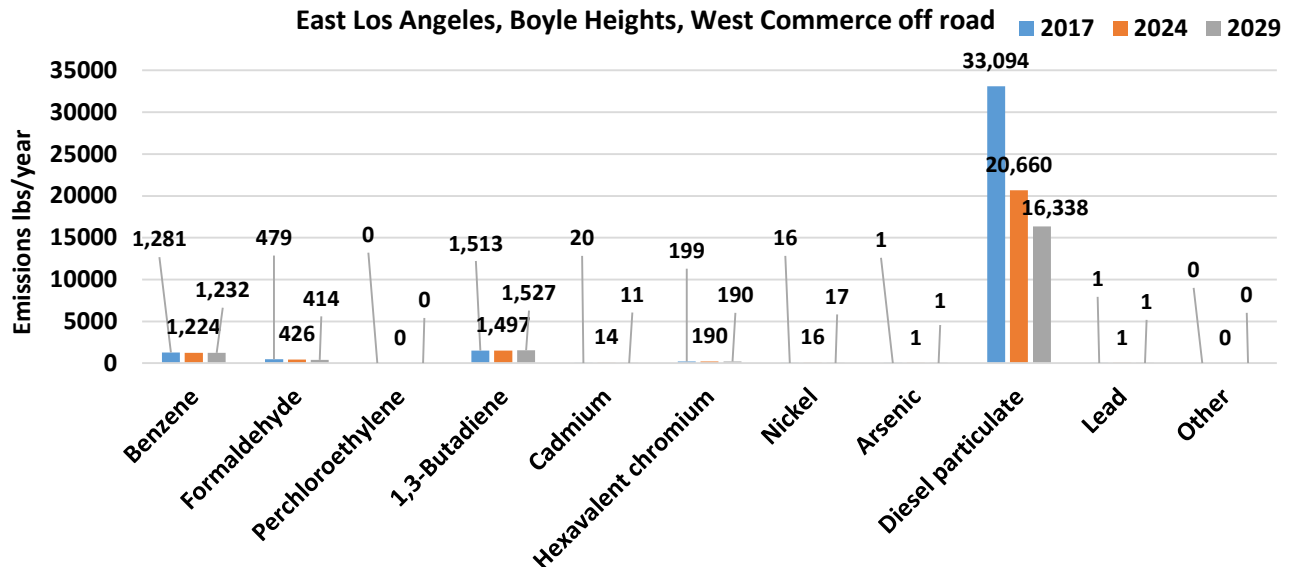


Figure 3b-20: Trends in toxic air contaminant emissions (air toxics cancer risk weighted diesel-equivalent, lbs/year) from off-road sources in East Los Angeles, Boyle Heights, West Commerce



### Summary

The main sources of air pollution emissions in the ELABHWC community are on-road traffic, trains, off-road equipment, and certain industrial activities.

NO<sub>x</sub> emissions in this community are dominated by mobile sources – both on-road and off-road – which account for 80% of the total emissions. Heavy-duty truck traffic, trains, and off-road equipment are the largest sources for NO<sub>x</sub>. Stationary and area sources contribute to 20% of NO<sub>x</sub> emissions in this community, mostly from fuel combustion in the residential, commercial, and industrial sectors.

VOC emissions are dominated by area sources, with consumer products being the largest source. Passenger vehicles and off-road equipment, such as lawn mowers and other small gasoline engines, are the largest contributors to VOC emissions from on-road and off-road sources, respectively.

Half of the PM<sub>2.5</sub> emissions are from miscellaneous area sources that include commercial cooking, residential fuel combustion, construction, and paved road dust. Industrial activities involving mineral processing, manufacturing and power generation are the second largest source of emissions, with PM<sub>2.5</sub> vehicle emissions also contributing significantly to total emissions.

Toxic air contaminants (TACs) emissions in the ELABHWC community are dominated by diesel particulate matter (DPM) from diesel exhaust. DPM is emitted from heavy-duty trucks, trains, and industrial off-road equipment. Hexavalent chromium is the second largest component of TACs based on risk-weighted emissions, and the major sources include industrial activities and brake wear from on-road vehicles. Other significant TAC species includes 1,3-butadiene and benzene, which are mostly emitted from mobile sources.

Future NO<sub>x</sub> emissions in the community are expected to decrease due to the existing regulations on mobile sources and the emission reduction commitments for major facilities. VOC emissions are also expected to decline, although they will decline more slowly compared to NO<sub>x</sub> reductions. Emissions of DPM from heavy-duty trucks are also expected to decrease substantially. CARB's In-Use Off-Road Diesel-Fueled Fleets Regulation will also contribute to reducing DPM. Emissions of hexavalent chromium and 1,3-butadiene from stationary and area sources are expected to increase slightly in the future years, due to increased industrial activity. However, in future years, DPM continues to be the main contributor to air toxics cancer risk in this community.

## References

1. Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>
2. Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>

---

# CHAPTER 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 4: Enforcement Plan

### Introduction

This chapter describes the enforcement history and overall approach to enforcement by the South Coast AQMD and the California Air Resources Board (CARB). In addition, the Community Emissions Reduction Plan (CERP) includes focused enforcement actions, which are described within Chapter 5 (idling truck sweeps and truck enforcement in priority areas; air monitoring and inspection at facilities). It is important that enforcement actions are part of the overall AB 617 program actions, which enables the program to be more effective in addressing this community's air quality priorities.

### Chapter 4 Highlights

- From 2016 to 2018, CARB conducted over 1,100 inspections and South Coast AQMD conducted approximately 526 inspections and responded to approximately 990 complaints in the East Los Angeles, Boyle Heights, West Commerce community.
- Both CARB and South Coast AQMD will continue to design their programs to most effectively address sources within their respective jurisdictions.
- An enforcement approach that utilizes specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further emission reductions.

### Overview of Air Quality Related Enforcement Program - Purpose and Jurisdiction

The primary goal of enforcement activities is for regulated entities to achieve compliance with air quality rules and regulations, and to protect public health. Part of this process involves consistently identifying and resolving violations, thereby ensuring a level playing field for all regulated entities and preventing unfair advantages for companies that do not comply with rules and permit conditions.

Both CARB and South Coast AQMD regulate and enforce air pollution regulations. Both agencies have the right to conduct inspections of air pollution sources, and the right to issue notices of violations that can lead to the recovery of penalties.<sup>i</sup>

An air pollution source can be a specific piece of equipment, a business, a government agency, or any other entity that creates air pollution. CARB is primarily responsible for enforcement of rules applying to trucks, buses, and other mobile sources, while South Coast AQMD is primarily responsible for enforcement relating to stationary sources (e.g., facilities).<sup>ii</sup>

<sup>i</sup> More information about penalties is provided in the Appendix 4.

<sup>ii</sup> In some cases, CARB may have agreements that give local air districts delegated authority to enforce a particular CARB rule. Other regulations, such as CARB's truck idling regulation, expressly allow enforcement by local air quality regulators.



Table 4-1: Overview of regulatory authority for South Coast AQMD and CARB

Air Pollution Source Category	Examples	Main Regulatory Agency
<b>Mobile sources<sup>iii</sup></b>	Trucks, buses, ships, boats, cargo handling equipment	CARB
<b>Stationary sources</b>	Refineries, power plants, oil and gas facilities, manufacturing plants; indirect sources	South Coast AQMD
<b>Area-wide sources</b>	Paint used on buildings, dust	South Coast AQMD
<b>Sources of greenhouse gases</b>	Methane and certain other emissions from mobile sources, refrigerants, and other sources	CARB and South Coast AQMD

### Enforcement History

Over the years, both CARB and South Coast AQMD enforcement staff have had a significant presence in the community of East Los Angeles, Boyle Heights, West Commerce. This section provides the most recent 3-year enforcement history for each agency in this community.

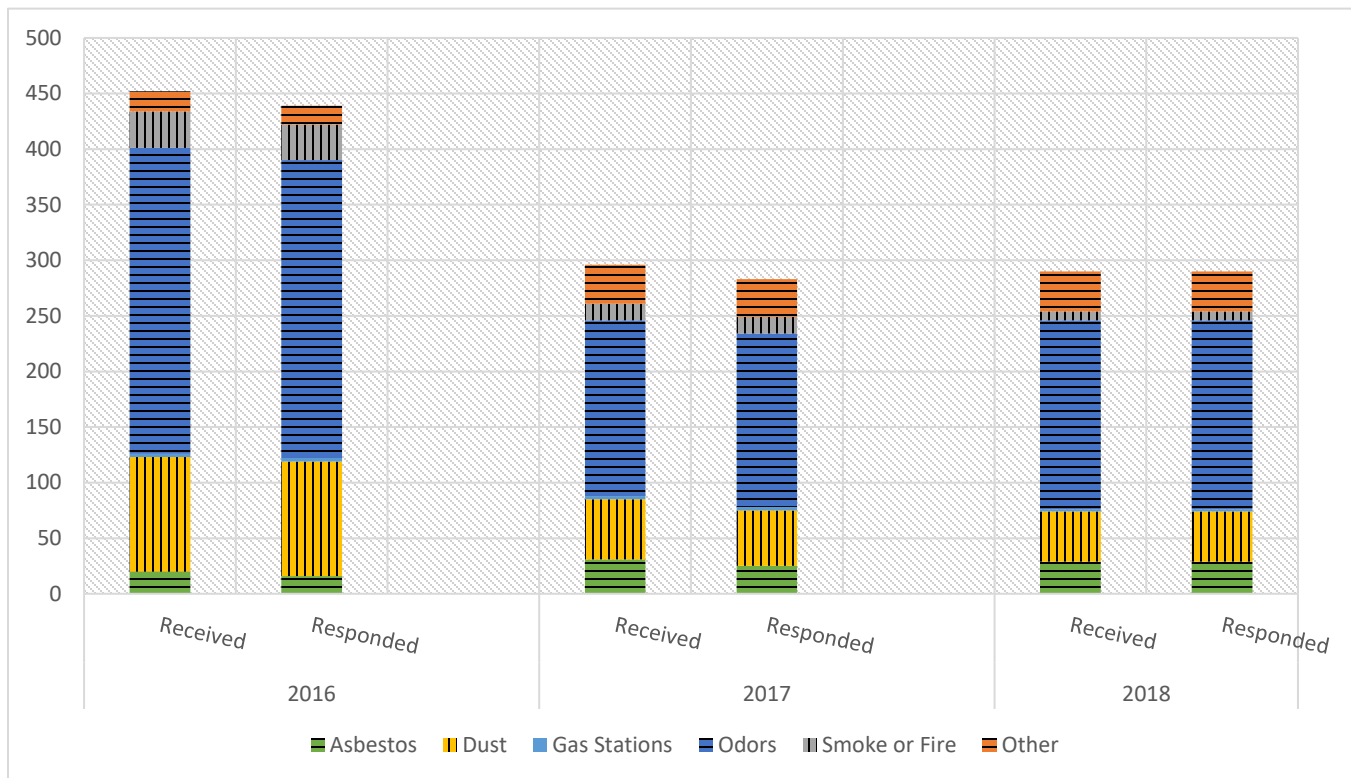
### South Coast AQMD Enforcement History in this Community

South Coast AQMD's enforcement presence includes many different compliance-related activities including, but not limited to, investigating complaints, responding to breakdowns, and performing facility inspections.

Responding to complaints is a crucial part of South Coast AQMD's enforcement program. By taking complaints directly from members of the public, inspectors can focus their efforts to identify and address air pollution problems that matter to the community. South Coast AQMD's enforcement team gives priority to complaints and attempts to respond to every air quality complaint received. The process of responding to a complaint can be unique for each complaint, depending on factors such as whether the air quality concern is ongoing, the type of source, the time of day, and the number of complaints received for that particular concern. For example, South Coast AQMD responds to non-business off-hour complaints based on the number of complaints that are received for a specific facility or location. Figure 4-1 shows the number and types of complaints received by South Coast AQMD in this community, for the 2016 to 2018 time period. A large portion of the complaints in this community are related to dust and odor concerns.

<sup>iii</sup> Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions.

Figure 4-1: Number of complaints (by type) in the East Los Angeles, Boyle Heights, West Commerce community.



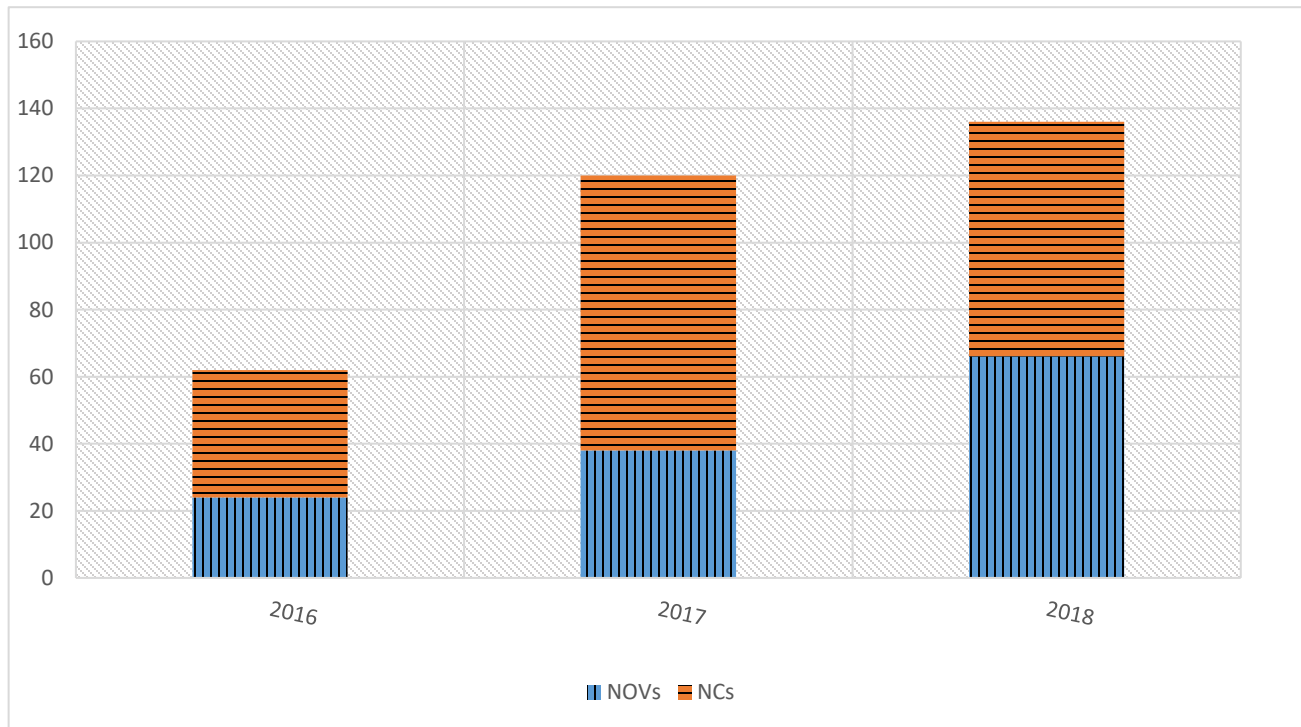
Additionally, South Coast AQMD's enforcement staff perform inspections at facilities and other air pollution sources. These activities can include onsite inspections for permitted and non-permitted equipment, leaks, and compliance with rules and permit conditions, as well as surveillance activities in the community, such as to trace the source of an odor. As of May 2019, there are approximately 550 facilities permitted by the South Coast AQMD in this community. A list of these facilities is available in the Appendix 4. From 2016 to 2018, South Coast AQMD conducted approximately 526 facility inspections. A list of all inspections conducted is available in the Appendix 4.

Enforcement actions typically involve issuing one of two types of notices:

- *Notice to Comply* (NC) – requiring a facility to quickly correct a minor violation or to provide specified records; or
- *Notice of Violation* (NOV) – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution.

Between 2016 and 2018, South Coast AQMD issued 130 NOVs in the East Los Angeles, Boyle Heights, West Commerce community. Figure 4-2 shows the number of NCs and NOVs in this community during 2016 and 2018. A list of these compliance actions/enforcement actions is available in the Appendix 4.

Figure 4-2: Number of Notices to Comply (NCs) and Notices of Violation (NOVs) issued in the East Los Angeles, Boyle Heights, West Commerce community.



#### CARB Enforcement History in this Community

CARB's enforcement process is two-pronged, including conducting field inspections and fleet-wide audits. For field inspections, the focus has been on enforcing heavy-duty diesel vehicle (HDDV) regulations, such as the statewide truck and bus rule, off-road rule, and the heavy-duty vehicle inspection program (HDVIP); at the refineries and fueling stations enforcing fuel formulation regulations; and in the ports enforcing regulations related to shore power, ocean-going vessels, commercial harbor craft, and cargo handling equipment. As Figure 4-3 shows, of the vehicles inspected in the East Los Angeles, Boyle Heights, West Commerce community, compliance with CARB's regulations has varied (see the Appendix 4 for CARB's 2016 - 2018 Three-Year Enforcement History) annually. Compliance can depend on various factors, including the number of vehicles inspected or the method of selecting vehicles for inspection (e.g., targeting vehicles that might fail inspection). CARB's enforcement has been focused on HDDV regulations, such as the Idling, Transportation Refrigeration Unit, and the Statewide Truck and Bus rules, as well as the HDVIP in this community, with over 1,100 inspections from 2016 to 2018. Of those vehicles inspected, less than 275 were not in compliance with CARB's regulations.

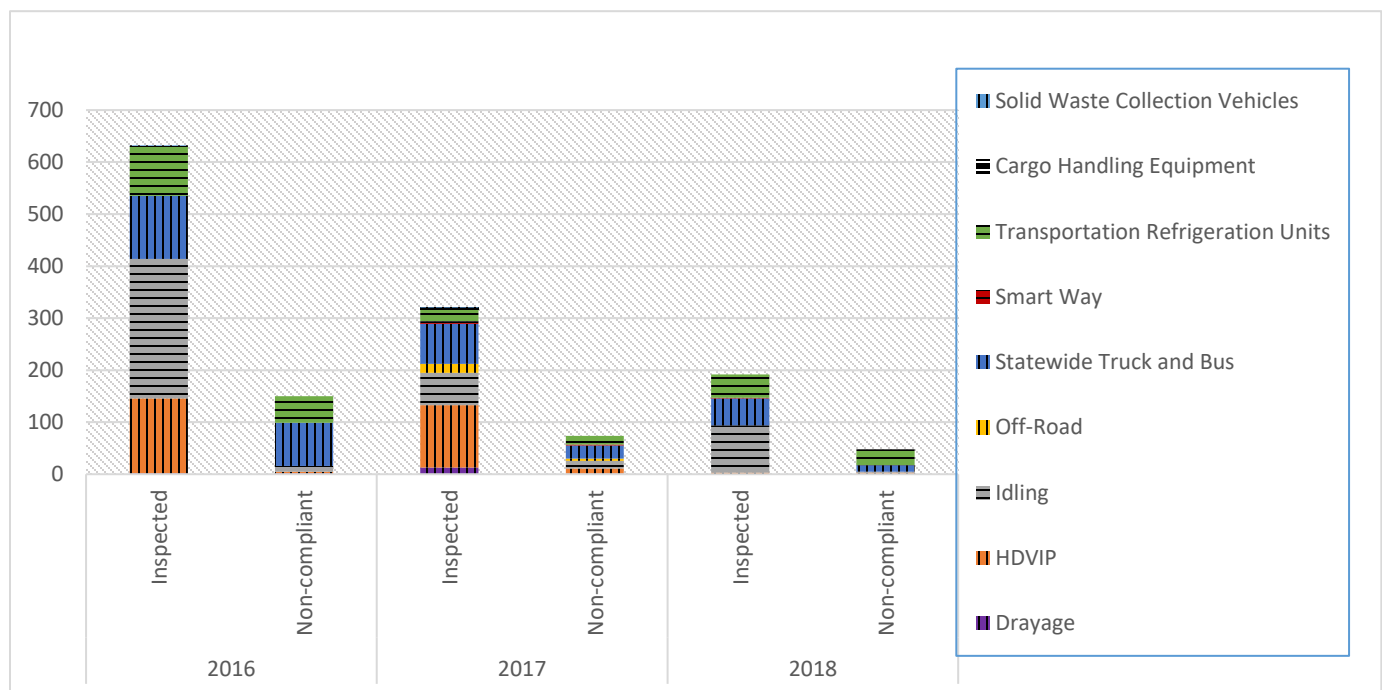
For fleet-wide audits, generally fewer heavy-duty vehicle enforcement inspections have occurred in the area during this time-frame; however, beginning in 2018, CARB added the Streamlined Truck Enforcement Program (STEP) to enhance its ability to enforce the Statewide Truck and Bus regulations. Between January 2018 and May 2019, CARB audited 179 fleets in East Los Angeles, Boyle Heights, West

Commerce. Of the 376 vehicles in the audit, CARB placed California Department of Motor Vehicles (DMV) registration holds on 240 vehicles. This represents a compliance rate of 32 percent with the Statewide Truck and Bus rule. As of May 2019, owners have brought 15 of those vehicles audited in STEP into compliance. Compliance can be achieved a number of ways, such as repowering the vehicle's engine with a compliant model year, retrofitting with a diesel particulate filter for certain model year engines, or following the other compliance methods listed in CARB's heavy-duty diesel regulations. The DMV registration holds also represent that the vehicles will be in compliance with the regulation within the next year, because the vehicle may not legally be operated in California past the current year's registration.

The STEP and CARB's roadside inspection program complement each other. In CARB's roadside inspections, which represents a snapshot of HDDV activity, the overall compliance rate from 2016 – 2018 was 52 percent (based on inspecting 250 vehicles). While the STEP process can assess more trucks more quickly ~~quicker~~ than in-person roadside inspections, CARB believes that compliance with the Statewide Truck and Bus regulation will continue to improve next year as compliance is tied to California DMV vehicle registration.<sup>iv</sup>

For some of CARB's regulations, enforcement staff have not yet conducted extensive enforcement activities on the concerns that the CSC has raised. However, CARB's enforcement efforts are being enhanced in this community to address community concerns.

Figure 4-3: CARB Heavy-duty Diesel Vehicle Enforcement History by Program Type in the East Los Angeles, Boyle Heights, West Commerce community.



<sup>iv</sup> State Bill 1 ([https://leginfo.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180SB1](https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201720180SB1))

In summary, between 2016 and 2018, both CARB and South Coast AQMD have conducted a range of compliance activities in the community including more than 1100 inspections from CARB enforcement staff related to heavy-duty diesel vehicles. Of those inspections, the vast majority of vehicles were in compliance, with less than 275 not in compliance. South Coast AQMD enforcement staff conducted approximately 526 facility inspections, responded to approximately 990 complaints, and conducted numerous other investigation activities in ELAWCBH. South Coast AQMD issued 130 Notices of Violation. Considering that a portion of these compliance actions are focused on the same facilities, the compliance rate may not be an effective indicator of overall compliance within the area.

Due to the air pollution concerns in this community, an enforcement approach by both agencies that fully utilizes their specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further reductions in non-compliance and emissions. Both South Coast AQMD and CARB will continue to work closely with the CSC to identify and investigate air quality issues within the community.

#### Enforcement Approach – Program Structures

Both CARB and South Coast AQMD have designed their programs to most effectively address sources under their respective jurisdictions.

#### South Coast AQMD's Office of Compliance and Enforcement (OCE)

The structure of this group is based on teams that focus on source type, and inspectors are also assigned by geographic region. The organizational structure based on source type enables inspectors to become technical specialists on the air pollution regulations that apply to the types of industries or facilities assigned to that team. In addition, assigning inspectors by geographic area improves the agency's ability to respond in a timely manner to complaints or compliance issues in that area.

Teams include an Industrial team which has broad knowledge to inspect a wide variety of source types and equipment. The Toxics & Waste Management team has the training and personal protective equipment to conduct inspections at facilities with toxic air contaminants. Certain facilities may be inspected by inspectors from multiple teams. This ensures that the approach is focused enough to address a variety of sources, yet flexible enough to handle complex facilities.

For most teams, the inspectors conduct regular inspections at their assigned facilities or within their assigned geographic regions. The frequency of regular inspections depends on the type of facility. For example, a chrome plating facility is inspected more frequently than an auto body shop. It is important to consider that there are approximately 110 chrome plating facilities in the South Coast Air Basin, compared to over 1,500 auto body facilities in the region. When considering limited resources, priority for inspections is typically given to higher risk pollution sources – that is, those facilities that emit the more toxic air pollutants and/or are close to schools, hospitals, and residential areas.

Staff from the following teams operate in the East Los Angeles, Boyle Heights, West Commerce community:

Figure 4-5: South Coast AQMD Enforcement Program



The **Energy team** focuses on crude oil production, energy storage sites, and bulk petroleum terminals. Inspectors in this team usually work in pairs for safety, as well as the need to operate portable equipment. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities.



The **Industrial team** focuses on the widest variety of sources, ranging from dry cleaners to large manufacturing facilities to idling trucks. Inspectors in this team are assigned a geographic region and normally spend much of their time in the field. From this team, inspectors regularly conduct compliance activities in ELABHWC.



The **Major Sources team** focuses on sources that are in the REgional CLean Air Incentives Market (RECLAIM)\* program. Examples of these sources include power plants, oil production sites, and large manufacturing facilities. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities, some of which are in ELABHWC.



The **Service Station team** focuses on gasoline service stations that serve the public, which can emit volatile organic compounds (VOCs). Inspectors in this team are assigned a geographic region. From this team, inspectors regularly conduct compliance activities in ELABHWC.



The **Toxics team** focuses on facilities that emit Toxic Air Contaminants, including hexavalent chromium, lead, and other toxic metals. Examples of these facilities include landfills, waste treatment facilities, water treatment facilities, lead acid battery manufacturers, and chromium plating and anodizing shops. Inspectors in this team are assigned a geographic region, and regularly conduct compliance activities in ELABHWC.

The following team is a part of OCE, but does not regularly conduct compliance activities in the community of East Los Angeles, Boyle Heights, West Commerce:



The **Refinery team** focuses on all the refineries, auxiliary hydrogen plants, and marine terminals in the South Coast Air Basin. Inspectors in this team are assigned by facility, with each inspector dedicated to a refinery and auxiliary plants. This team is based full-time in the Long Beach Field Office to ensure close proximity to the refinery sources that it regulates.

\*RECLAIM, for REgional CLean Air Incentives Market, is a program that requires participating facilities to manage their total nitrogen oxides (NOx) and/or sulfur oxides (SOx) emissions ~~(which reduce over time)~~ by adding pollution controls, changing their equipment or processes, or buying credits from other RECLAIM facilities that have lower emissions than their cap. The allowable amount of such emissions is reduced over time. The program is currently being transitioned to a command-and-control regulatory program.

### CARB Enforcement's Program Structure

Through focused enforcement or public complaints, CARB identifies a potential violation. CARB then contacts the responsible party to explain the enforcement process and to obtain additional information. Enforcement staff evaluates the information collected and works with CARB's Legal Office to determine violations of statutory and/or regulatory requirements. When violations are substantiated, CARB can take enforcement action, at which point the responsible party is provided an opportunity to respond to the violation.

~~CARB takes~~~~This outcome includes taking~~ appropriate enforcement action ~~within the scope of CARB's enforcement authority~~, which may include issuing cease and desist orders, Notices of Violation, mitigation, or pollution prevention actions. Cases can be resolved via civil and criminal litigation. In lieu of litigation, cases typically are settled through CARB's mutual settlement program. Penalties are sought that ~~deter~~ provide adequate deterrence to future non-compliance or public nuisance.

For example, in 2017, settlement agreements were made with Union Pacific Railroad Company (UP) and BNSF Railway regarding drayage truck regulations. Under CARB's Drayage Truck Regulation, California ports and Class I rail terminals must report non-compliant heavy-duty diesel trucks entering their facilities. For years, BNSF and UP failed to accurately report to CARB information on non-compliant trucks entering their facilities, which hampered CARB's ability to enforce the regulatory requirements. The settlements resulted in UP turning away non-compliant trucks from their facilities and BNSF accurately reporting truck data to CARB for enforcement, resulting in reduced diesel emissions from heavy-duty diesel trucks around both UP and BNSF facilities.<sup>8</sup>

During the settlement process, there is an opportunity to allocate up to 50% of the penalties to a supplemental environmental project (SEP)<sup>v</sup>. Community-proposed projects are funded to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the East Los Angeles, Boyle Heights, West Commerce community through the proposal process.<sup>9</sup> CARB has over 50 enforcement programs that focus on specific source types.

A few of the programs that are relevant to enforcement activity in East Los Angeles, Boyle Heights, West Commerce community are:

---

<sup>v</sup> Other examples of enforcement settlement cases can be found in CARB's Annual Enforcement Reports (<https://www.arb.ca.gov/enf/reports/reports.htm>).



Figure 4-6: CARB Enforcement Programs ~~teams~~ relevant to the East Los Angeles, Boyle Heights, West Commerce community



CARB conducts **idling** sweeps to ensure regulatory truck and bus idling limits are not exceeded.



**Drayage vehicles** are certified heavy-duty vehicles (HDV) that move goods. HDV that enter the port or intermodal facility are required to be certified to meet clean emission standards.



Regulations aimed at cleaning up **off-road construction equipment** such as bulldozers, graders, and backhoes. These requirements are in place to help ensure that diesel soot filters are installed on off-road equipment.



**SmartWay:** The Tractor-Trailer Greenhouse Gas Regulation requires 53-foot or longer dry van or refrigerated van trailers and the tractors that pull them on California highways to use certain equipment that meets US EPA efficiency standards.



**Transport Refrigeration Units (TRUs):** Inspect secondary engines to ensure TRUs meet labeling and clean air requirements.



**Cargo handling equipment** investigations are led by CARB to identify opportunities to reduce emissions from idling at ports and intermodal rail yards.



For the **Heavy-Duty Vehicle Inspection Program**, CARB regularly conduct inspections for:

- Diesel Emission Fluid (DEF): a liquid used as a reductant in heavy duty diesel engines to reduce NOx emissions.
- Emission Control Label (ECL): Engine certification labeling requirements.
- Smoke/Tampering: Requires heavy duty trucks/buses to be inspected.



**Statewide Truck and Bus program** requires all vehicles with 2009 or older engines weighing over 14,000 pounds to reduce exhaust emissions by upgrading to 2010 or newer engines by 2023. Non-compliant vehicles will be denied DMV registrations.



### How the Public Helps Reduce Air Pollution

Members of the public play an important role in communicating air quality concerns to both South Coast AQMD and CARB. The complaint process helps both agencies identify issues that are directly affecting the East Los Angeles, Boyle Heights, West Commerce community. The most effective way to contact the agencies is through the complaint hotlines. In addition to South Coast AQMD's mobile application, both agencies can be contacted by phone and online:

<p><b>CARB - Mobile Sources</b></p> <p><b>Automobiles, Trucks, Off-road Equipment, or other Vehicles</b></p> <p>Phone: 1-800-END-SMOG</p> <p>Online: <a href="http://calepa.ca.gov/enforcement/complaints">calepa.ca.gov/enforcement/complaints</a></p>	<p><b>South Coast AQMD - Stationary Sources</b></p> <p><b>Odors, Smoke, Dust, or other Air Contaminants</b></p> <p>Phone: 1-800-CUT-SMOG</p> <p>Online: <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></p>
---	---

Both CARB and South Coast AQMD value input from those who live and work every day in the community, and communicating air quality issues directly to the agencies with the information below is the best way to address an air pollution concern. Letting the agencies know of an issue when it is occurring rather than after the fact helps South Coast AQMD's and CARB's ability to find the source of the problem.

An effective complaint should contain information with specific details. This information helps inspectors conduct a thorough investigation and take appropriate enforcement action. The following information is valuable to a thorough complaint investigation:

- Type of air quality concern (odor, smoke, dust, etc.)
  - o Odors: description of odor
  - o Smoke: color of smoke; does the smoke disappear or hang in the air?
  - o Dust: type of dust (e.g., construction activities)
- Location of air pollution concern
- Name or address of potential source
- Time of day that the air quality issue began, and is the concern still occurring?
- Has the concern occurred before, and do other people in your community experience it as well?
- Contact information for the person reporting the complaint<sup>vi</sup>

### Technology

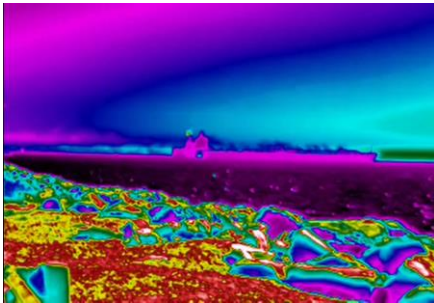
Both South Coast AQMD and CARB enforcement staff have embraced the use of technology as a means for more efficient and effective inspections. South Coast AQMD inspectors have access to advanced

<sup>vi</sup> Although anonymous complaints are accepted, staff have found that having contact information helps with getting additional information to help with the investigation.

instruments to help identify air pollution issues in real-time. The following portable instruments are available to inspectors:

Figure 4-7: Portable instruments used by South Coast AQMD inspectors in the field

*Toxic Vapor Analyzers (TVA):* Inspectors can use TVAs to measure the level of certain gases in a specific area. This includes methane and volatile organic compounds (VOCs), which are emitted by petroleum sources and other types of sources.



*Infrared Cameras:*

Inspectors can use specialized infrared cameras to view emissions of gases (including methane and VOCs) that would otherwise be invisible to the naked eye. This equipment enables inspectors to scan areas for emissions and quickly check for large leaks at a facility.

*X-Ray Fluorescence (XRF):* Inspectors can use this handheld instrument to identify the types of chemicals that are on a surface or in a dust pile. This tool helps identify potential pollutants that are particles. For example, an XRF can be used to scan surfaces at a facility to identify which specific toxic metals may be deposited in that location, and which locations have the highest levels of those toxic metals.



*H<sub>2</sub>S Analyzers (Jerome Meters):* Inspectors can use this handheld instrument to measure hydrogen sulfide gas levels in the air. This information can be used to identify a potential source of rotten egg type odors.

In addition, inspectors are trained on how to collect field samples, including air samples, liquid samples, and bulk material samples. These samples can then be provided to the South Coast AQMD laboratory or contract laboratories for analysis. The results of these analyses can be used as evidence to support investigations and/or Notices of Violation issued to air pollution sources.

South Coast AQMD regulates over 25,000 facilities, receives approximately 10,000 public complaints per year, and operates a vast air quality monitoring network; and CARB regulates a significant number of mobile sources throughout the state. Analyzing the data that results from these efforts can provide

insight into trends and sources of air pollution as well as inform where inspections should be focused. Both agencies use information technology to enhance the ability to conduct investigations and enforce regulations. As an example, for CARB's truck fleet enforcement program, the traditional approach was to inspect several thousand trucks annually through fleet-based inspections. Starting in January 2018, CARB began the Streamlined Truck Enforcement Process (STEP), and is now able to conduct 20,000 to 25,000 inspections per year through the use of a data-driven approach, non-compliance letters, and a scheduled settlement process. South Coast AQMD's investigation of crude oil tankers is another example of using information technology in enforcement activities. Inspectors used mapping software, weather data, and ship databases to help identify an oil tanker as a potential source of emissions. The oil tanker was later issued a Notice of Violation when it berthed at a port. These multi-faceted approaches can be applied to address other air pollution concerns in the East Los Angeles, Boyle Heights, West Commerce community. Providing transparent access to the information that both agencies possess will lead to a stronger partnership with the community.

### The Interagency Approach

CARB and South Coast AQMD are committed to working with other agencies on joint initiatives that will directly result in cleaner air. The combined resources, expertise, and legal authorities of different agencies can create a well-rounded approach to the regulatory process that leverages their respective strengths to address issues that cumulatively impact public health. For example, the Los Angeles City Attorney's Office partnered with South Coast AQMD to conduct inspections at specific facilities, including auto-body shops, in the city of Los Angeles.

Figure 4-8. Examples of agencies that routinely collaborate with South Coast AQMD and CARB



CARB partners with local agencies to create memoranda of understanding (MOUs), such as an agreement with South Coast AQMD to enforce CARB's greenhouse gas standards at certain types of facilities. In addition, CARB has already established partnerships with California DMV working on implementing registration holds for non-compliant trucks and buses, California Highway Patrol (CHP) to conduct roadside inspections, and other state and regional agencies to ensure ~~we~~ the agencies are supporting each other's enforcement efforts. Both South Coast AQMD and CARB have experience working in close

collaboration with other regulatory agencies, cities and counties, public health agencies, and local police and fire departments to conduct investigations and provide public information about local air pollution sources.

## Enforcement Considerations

An effective enforcement program must be flexible and adaptable to address the needs of the communities. Part of being adaptable is the ability to identify and address gaps in the enforcement process, such as previously unknown facilities or new pollutants of concern. As revealed over the course of the public process for CERP development, one such gap has been a lack of communication with members of the community, who have firsthand experience with local emissions sources and whose input can be quite valuable to enforcement efforts. South Coast AQMD has therefore prioritized outreach and added new positions to interact directly with the AB 617 communities, including dedicated compliance staff assigned in those communities. Because South Coast AQMD organizes its enforcement division both by source type for technical specialization and by geographic region, there is not a single dedicated enforcement team for AB 617; rather, the effort is spread across multiple existing teams so that a larger number of complaints and potential violations of air quality rules can be identified and addressed.

In addition, both CARB and South Coast AQMD currently maintain extensive records of compliance-related activities through the use of databases and other digital resources. OCE uses these resources to track metrics such as complaints, inspections, and enforcement actions. The data provided in this chapter and Appendix 4 are derived from those databases. The particular statistics being tracked are also routinely reevaluated. For example, OCE recently added an Agency Technical Assistance metric for instances where South Coast AQMD was asked by another agency to assist in that agency's efforts, often by way of collecting samples or providing ambient air monitoring. CARB and South Coast AQMD will both continue to evaluate new metrics that may help to track and analyze inspectors' efforts in the AB 617 communities in order to attempt to identify more effective allocations of resources and/or potential solutions to air quality issues.

Finally, enforcement mechanisms exist that are designed to promote, and, if necessary, compel, compliance by regulated sources. As discussed above, after South Coast AQMD inspectors investigate complaints and/or conduct facility inspections, they can issue notices to comply or notices of violations. While notices to comply will generally require further action by a source, notices of violation are referred to the Office of the General Counsel, where civil penalties are negotiated. If no settlement is reached, a civil lawsuit may ultimately be filed in superior court. Ongoing non-compliance, however, may lead to a petition for an order of abatement before the South Coast AQMD Hearing Board, which would have the authority to require a facility to take certain actions to achieve compliance. CARB and South Coast AQMD have each had a presence in this community that has led to various enforcement actions against local facilities.<sup>vii</sup>

---

<sup>vii</sup> Additional detail on South Coast AQMD and CARB enforcement actions can be found in Appendix 4.

In sum, the compliance process seeks to ensure that all rules and regulations are followed through a fair and robust enforcement program, resulting in reduced air pollution emissions. Adaptability is crucial, whether in the programs overall, or in day-to-day operations, to ensure that community concerns are addressed quickly and that enforcement action is taken when violations are identified. Both CARB and South Coast AQMD enforcement teams will continue to search for innovative strategies, lead in community transparency, and take swift action to address non-compliance.

---

# CHAPTER 5A:

## ACTIONS TO REDUCE AIR POLLUTION EMISSIONS OR EXPOSURES - OVERVIEW

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5a: Actions to Reduce Community Air Pollution

### Introduction

The CERP provides an overall path to reducing air pollution in the East Los Angeles, Boyle Heights, West Commerce community. Through the development of the CERP the CSC identified air quality priorities based on sources of air pollution (e.g., neighborhood truck traffic, warehouses, railyards) that are of concern to the community. To reduce air pollution from these sources, the CSC developed a set of actions to be implemented by government agencies, organizations, businesses, and other entities.

### Community Air Quality Priorities

The community of East Los Angeles, Boyle Heights, West Commerce identified neighborhood and freeway traffic from trucks and automobiles, railyards, metal processing facilities, rendering facilities, and auto body shops as air quality priorities. These sources of air pollution are often located close to homes, schools, and other community areas where the public can be exposed to harmful pollutants. As a result, reducing exposure to air pollution at exposure reduction at schools and childcare centers is also a priority for the community. The community also cited general concerns about industrial facilities in the community, including waste transfer stations.

### Ongoing efforts

The South Coast AQMD, CARB, and U.S. EPA have air quality regulations to reduce air pollution from sources such as trucks, autobody shops, and metal processing facilities. The relevant agencies enforce these regulations. Additionally, the South Coast AQMD and CARB have begun the process of developing new requirements that would further reduce air pollution from sources prioritized by the community.

### Chapter 5a Highlights

- Many new actions will be taken to address the community's air quality priorities
- South Coast AQMD will use a variety of many different strategies, such as regulation, incentives, outreach, enforcement, monitoring, and collaboration more
- Many actions also rely on effective collaborations with other agencies, organizations, businesses, and others
- The estimated emission reduction targets resulting ~~from incentives supported by~~ actions in this CERP are:
  - NOx: 377.140 to 50 tons per year
  - DPM: 0.5 to 0.61.5 tons per year
- Additional emission reductions are achieved through actions that include strategies may not be quantifiable at this time, such as, rule development and enhanced enforcement



### Opportunities for Action

In addition to the ongoing efforts described above, the CSC developed 16 new actions to reduce air pollution in the community. Each action is to be carried out based on a set of strategies, goals, and timelines. The entity (e.g., government agency or organization) responsible for the actions is also identified. The actions set forth in this chapter define a path to further reduce air pollution from sources in the East Los Angeles, Boyle Heights, West Commerce community and provide additional protections for children at schools. In some instances these actions reaffirm ongoing rule development efforts and provide new commitments for localized reductions, sharing of emissions data, timelines, and other related information.

### Emissions Reduction Targets

The actions in the CERP prioritize emissions reductions in the East Los Angeles, Boyle Heights, West Commerce community. The CERP includes emission reduction targets for NOx, and diesel particulate matter (DPM) emissions in the East Los Angeles, Boyle Heights, West Commerce community that are based on these actions. Table 5a-1 below provides a list of the overall emission reduction targets for the CERP and the types of actions that contribute to these targets. Baseline emissions refers to expected future emissions without any new action or regulation beyond those already adopted.

Table 5a-1: Overall CERP Emission Reduction Targets by 2024 and 2029 (or Earlier if Feasible)

<u>Emissions<sup>a</sup></u>	<u>NOx</u>	<u>DPM</u>
<u>2017 Emissions (tpy)</u>	<u>2,710</u>	<u>34.8</u>
<u>Projected 2024 Emissions Baseline (tpy)</u>	<u>1,841</u>	<u>13.2</u>
<u>Emission Reductions from CERP, by 2024 (tpy)</u>	<u>143</u>	<u>1.2</u>
<u>Emission Reductions from CERP, by 2024 (%)</u>	<u>8</u>	<u>9</u>
<u>Projected 2029 Emissions Baseline<sup>a</sup> (tpy)</u>	<u>1,851</u>	<u>11.2</u>
<u>Emission Reductions from CERP, by 2029 (tpy)</u>	<u>377</u>	<u>1.4</u>
<u>Emission Reductions from CERP, by 2029 (%)</u>	<u>20</u>	<u>13</u>

<sup>a</sup>Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029.

Mobile Sources – Neighborhood and Freeway Traffic from Trucks and Automobiles, and Railyards

Implementation of the CERP is estimated to reduce 377.1 tpy of nitrogen oxides (NOx) and emissions by 40 to 50 tons per year and particulate matter (PM) emissions by 0.5 to 0.61.4 tons per year tpy of DPM emissions from mobile sources. These emission estimates are based on future statewide mobile source measures from CARB and potential mobile source incentive projects to benefit this community as outlined by the actions in this chapter. Future statewide mobile source measures that contribute to the estimated emission reductions in this community include the CARB Advanced Clean Car 2 Rule, Advanced Clean Trucks Rule, Heavy-Duty Low NOx Rule, and Heavy-Duty Inspection and Maintenance. These measures support actions in the CERP that address emissions from neighborhood and freeway traffic from trucks and automobiles, as well as emissions associated with railyards. Table 5a-2 below, provides a list of the statewide measures with expected decision dates, implementation periods, and estimated emission reductions.

Table 5a-2: Estimated Emission Reductions from Statewide (CARB) Mobile Source Regulations

<u>Statewide Measure</u>	<u>Action Date<sup>c</sup></u>	<u>Implementing Entity</u>	<u>Emission Reductions Targets</u> <u>2024/2029 (tpy)</u>			
			<u>NOx</u>	<u>VOC</u>	<u>DPM</u>	<u>PM2.5<sup>a</sup></u>
<u>Advanced Clean Car 2</u>	<u>2020-2021</u>	<u>CARB</u>	<u>N/A</u> <u>/2.6</u>	<u>N/A/</u> <u>0.8</u>	<u>N/A</u> <u>/0.002</u>	<u>N/A</u> <u>/0.05</u>
<u>Heavy-Duty Vehicle Inspection and Maintenance<sup>b</sup></u>	<u>2020</u>	<u>CARB</u>	<u>81/123</u>	<u>N/A</u>	<u>0.7/0.8</u>	<u>0.7</u> <u>/0.8</u>
<u>Advanced Clean Trucks Regulation<sup>c</sup></u>	<u>2019</u>	<u>CARB</u>	<u>0.3/8.1</u>	<u>N/A</u>	<u>0.0007/</u> <u>0.02</u>	<u>0.008</u> <u>/0.2</u>
<u>Heavy-Duty Low NOx Rule<sup>d</sup></u>	<u>2020</u>	<u>CARB</u>	<u>16/198</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

<sup>a</sup> Figure 3b-3 in Chapter 3b shows that three quarters of PM2.5 emissions are from miscellaneous area sources that include commercial cooking, residential fuel combustion, construction, and paved road dust. These sources were not identified as air quality priorities by the CSC and thus are not part of this plan. Nonetheless, PM2.5 will be reduced by the Statewide Mobile Source Regulations

<sup>b</sup> CARB's current inspection programs include the roadside Heavy-Duty Vehicle Inspection Program and the fleet Periodic Smoke Inspection Program. These regulations require heavy-duty vehicles operating in California to be inspected for excessive smoke and make repairs where applicable.

<sup>c</sup> CARB is working through a public process to develop and consider proposals for new approaches and strategies that may transition to zero emission technology those truck fleets that operate in urban centers, have stop and go driving cycles, and are centrally maintained and fueled.

<sup>d</sup> This rule would set new statewide engine standards for NOx reduction from trucks by 2026, and additional reductions including and after 2027. More information available at: <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>

As mentioned above, the estimated overall emissions reduction targets for this community also consider potential future mobile source incentive projects described by the actions in this chapter. For example, Subchapter 5b – Neighborhood and Freeway Traffic from Trucks and Automobiles includes an action to reduce emissions from heavy-duty trucks. This action will be implemented by measures that require outreach to the owners and operators of heavy-duty trucks in the community. The CERP contains four different measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. -These measures are coupled with commitments from South Coast AQMD staff to conduct ten public outreach events in the community to recruit potential applicants for incentives. The estimated emission reductions for mobile source incentive projects in this community are estimated to be between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions.

~~These emissions estimates are based on data from past incentive projects<sup>e</sup> (e.g., replacing heavy-duty trucks with cleaner trucks, replacing cargo handling equipment at railyards). Additionally, the estimated emissions reductions consider potential future incentive projects that are targeted by the actions in this chapter. For example, Subchapter 5b – Neighborhood and Freeway Traffic from Trucks and Automobiles, includes an action to reduce emissions from heavy-duty trucks. The CERP contains measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct public outreach events in the community to recruit potential applicants for incentives.~~

~~Some actions in this chapter are likely to result in additional emissions reductions that are not quantifiable at this time. For example, Subchapter 5c – Railyards, includes an action that would reduce emissions from railyards in this community. The target for this action is to pursue strategies to reduce air pollution from railyards through the development of indirect source requirements. However, reductions from this action would be quantified during the rule development process for Facility Based Mobile Source Measures to provide staff an opportunity to evaluate technologies that would reduce emissions at railyards.~~

~~Based on the air quality priorities identified by the CSC, the actions in this chapter also emphasize emissions reductions from fugitive emissions sources. For example, the CERP includes an action to address fugitive emissions and particulate matter from metal processing facilities and auto-body shops. This action requires enhanced air monitoring along with follow-up strategies (e.g., enforcement activities) to target emissions reductions from these sources. Based on the information available, emissions reductions from these actions cannot be estimated at this time. However, the CSC has recommended that these sources of fugitive emissions should be addressed by the CERP to improve air quality in the East Los Angeles, Boyle Heights, West Commerce community.~~

---

<sup>e</sup>Data was based on 2018 incentive projects.

~~South Coast AQMD is working with CARB to address emissions from mobile sources. CARB has committed to considering amendments to their rules and regulations within the CERP to address the air quality priorities in this community. The emissions reduction targets expected from the implementation of these rules and regulations is [CARB to insert emission reductions].~~

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5B:

## NEIGHBORHOOD AND FREEWAY TRAFFIC (TRUCKS AND AUTOMOBILES)

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

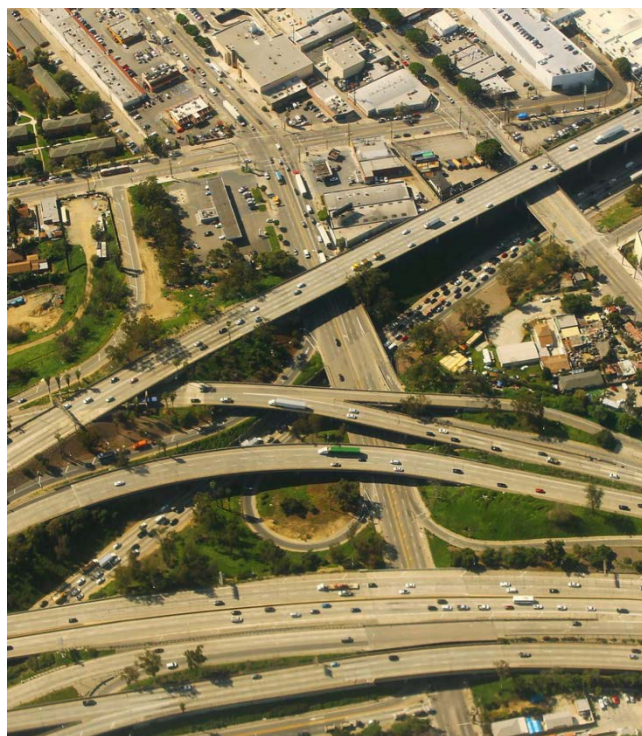
## Chapter 5b: Neighborhood and Freeway Traffic from Trucks and Automobiles

### Background

A complex network of freeways, including the East Los Angeles Interchange (i.e., 5, 10, 60 and 101 Freeways), San Bernardino Split (i.e., 5, 10 and 101 Freeways) and Long Beach Freeway (i.e., 710 Freeway) pass through the East Los Angeles, Boyle Heights, West Commerce community. These freeways carry large volumes of traffic on a daily basis, for example, on a peak day the East Los Angeles Interchange carries over a half-million vehicles.<sup>1</sup>

The East Los Angeles Interchange also serves as a vital transportation corridor that facilitates the movement of goods from the Ports of Los Angeles and Long Beach (Ports) by heavy-duty trucks. Approximately seven percent of the total volume of vehicles that travel through the East Los Angeles Interchange is comprised of heavy-duty truck traffic. Warehouses, railyards, and retail stores also attract truck traffic to the commercial and industrial corridors in the East Los Angeles,<sup>2</sup> Boyle Heights,<sup>3</sup> West Commerce<sup>4</sup> community. Community members report that trucks often travel near and through local neighborhoods to reach their destinations. The volume of vehicle traffic on freeways in this community impacts the local residents by exposing them to harmful air pollutants emitted by heavy-duty diesel trucks, passenger cars, and other vehicles.

Figure 5b-1: Aerial view of East Los Angeles Interchange



The amount of freeway and neighborhood truck traffic in the East Los Angeles, Boyle Heights, West Commerce community is likely to increase as a result of the expected increase in goods movement activities in Southern California. These activities are largely driven by the anticipated growth in the volume of goods that are imported and exported through the Ports.<sup>5</sup> This growth may lead to additional community air quality impacts resulting from increases in traffic volumes through local neighborhoods and freeway corridors.



### Community Air Quality Priorities – Idling Trucks, Monitoring High Volume Roadways, Enhanced Enforcement of Existing Regulations and City Ordinances, Congestion, and Cleaner Technology Options

The East Los Angeles, Boyle Heights, West Commerce CSC identified air pollution from heavy-duty diesel trucks and passenger cars traveling on local neighborhood streets and freeways as an air quality priority. This priority is based on both community observations and data<sup>6</sup> that shows the contribution of air pollution impacts from traffic volumes in the East Los Angeles, Boyle Heights, West Commerce community. To address these air quality impacts, the CSC prioritized the following:

- Increased enforcement of CARB’s Truck and Bus and Idling Rules to reduce diesel emissions (including during non-business hours),
- Traffic data collection (e.g., Automated License Plate Reader)<sup>7</sup> at high traffic roadways to improve mobile source emissions information and provide data that could be used to identify potential new truck routes,
- Air measurements on roadways in and around the community to provide data that could be used to evaluate mobile emissions information,
- Establishing or improving signage for designated truck routes
- Improving the complaint systems designed to report illegal truck idling or truck travel on local roadways,
- Additional and new incentive funding opportunities to replace heavy-duty diesel trucks with zero-emission technologies once they become available, and near-zero emission technologies until that time,
- New regulations that require the use of zero-emission trucks, when they are available, and
- Enhancing outreach to commercial fleets, warehouses, and other facilities that operate heavy-duty diesel trucks in the community prioritizing zero-emission vehicles once they become available, and near-zero emission technologies until that time.

### Ongoing Efforts

#### U.S. EPA and Statewide Efforts

CARB’s Airborne Toxic Control Measure (ATCM) places limits on idling of diesel-fueled trucks. This regulation is enforced by CARB and South Coast AQMD, and will be a focal point of the enforcement activities in AB 617 communities. CARB continues to address truck diesel emission reductions through existing and upcoming regulations, such as the Drayage Truck Regulation<sup>8,9</sup> and the Truck and Bus Regulation,<sup>10,11</sup> which include emission standard requirements. CARB is also responsible for enforcing the Commercial Vehicle Idling Regulation, where commercial vehicles (gross vehicle weight rating greater than 10,000 pounds) are prohibited from idling for more than five minutes.<sup>12</sup> In addition, to help cities address idling, CARB has developed an “Options for Cities to Mitigate Heavy-Duty Vehicle Idling” guidance document which includes options for cities to address heavy-duty vehicle idling emissions in their communities.<sup>13</sup>

CARB continues to work towards reducing residual public health risk from Transport Refrigeration Units (TRU)<sup>14</sup> near distribution centers and other facilities where TRU activity is focused as well as achieve emission reductions while in transit, especially near the most impacted communities. Improving freight efficiency and transitioning to zero-emission technologies will help reduce toxic air contaminant emissions, criteria pollutant emissions, and greenhouse gas emissions. CARB has created advisories<sup>15</sup> and forms<sup>16</sup> to assist TRU owners in understanding compliance requirements as well as to ensure that all regulated entities (e.g., TRU owners, TRU operators, facilities that support TRU use, etc.) are aware of their responsibilities under this regulation.

CARB has many new requirements that are also being considered that would further reduce emissions from trucks and TRUs. Table 5b-1 below illustrates the key upcoming activities from U.S. EPA and CARB.

Table 5b-1: Upcoming Rule Development/Activities from U.S. EPA and CARB

Agency	Proposed Action	Expected Decision	Expected Phase-in Period
U.S. EPA	Cleaner Truck Initiative <sup>17</sup> – In response to a petition from the South Coast AQMD, U.S. EPA has committed to updating its truck engine standard to reduce NOx emissions.	2020-2021	2024-?
CARB	Transport Refrigeration Unit Regulation <sup>11</sup> – Measure to reduce residual risk from TRUs by transitioning to zero-emission technologies.	2019	2025-2030
CARB	Drayage Truck Rule <sup>9</sup> – Updated regulation to transition to zero-emission trucks.	2022	2026-?
CARB	Advanced Clean Truck Rule <sup>18</sup> – Mandate for truck manufacturers to sell zero-emission trucks. By 2030, zero-emission truck/chassis sales would need to be 50% of class 4 – 8 ‘straight’ trucks sales and 15% of all other truck sales. Also requires fleet reporting.	2019	2024-2030
CARB	Zero-Emission Fleet Rule <sup>19</sup> – Would require fleets to transition to zero-emissions.	2022	2024-?
CARB	Heavy-Duty Low NOx Rule <sup>20</sup> – Would set new statewide engine standards for trucks. 60-75% NOx reduction between 2024-2026. Additional reductions in 2027 and beyond.	2020	2024-?

### South Coast AQMD Efforts

South Coast AQMD funds projects to help develop zero-emission technologies for heavy-duty Class 7-8 trucks<sup>i</sup> (e.g., battery electric and fuel cell). These projects are in the design and demonstration phase, and the technologies are not yet commercially available. Additionally, South Coast AQMD administers incentive programs for truck owners and operators to replace older polluting trucks with trucks that are cleaner than required.<sup>21</sup> For example, South Coast AQMD's Voucher Incentive Program (VIP) is designed for smaller businesses with fleets of 10 or fewer vehicles that primarily operate within California.<sup>22</sup> The VIP is a streamlined approach for small fleets to reduce emissions by replacing old, high-polluting vehicles with newer, lower-emission compliant models. VIP helps truck owners with older trucks to purchase newer trucks meeting the current emissions standards. The Carl Moyer Program<sup>23</sup> is another resource for truck owners to obtain cleaner trucks that would achieve emission reductions that are surplus to the regulations.

Another strategy could be the use of Automated License Plate Readers (ALPRs), which is currently being explored by South Coast AQMD staff in collaboration with CARB. These are high-speed, computer-controlled camera systems that can capture license plate numbers that come into their view. ALPR data, when cross-referenced with DMV data, can provide more information about vehicles (e.g., the chassis model-year and weight class for trucks), which can help build a picture of the fleet makeup that pass a specific location over time. Assumptions for relating chassis model year and engines installed on a chassis can be used to estimate emissions from heavy-duty diesel trucks. South Coast AQMD staff is exploring the possibility of using this information to notify heavy-duty diesel truck owners that may qualify for incentive programs to replace their truck with newer cleaner models. Moreover, the use of an ALPR system to collect this type of data would require the development of a policy that protects the privacy of the registered truck owners.<sup>7</sup> South Coast AQMD is actively looking into the feasibility of utilizing the ALPR system to address this community's concerns but must first ~~understand~~ any possible issues or limitations.

### Opportunities for Action

The CSC's strategy to reduce the community's exposure to air pollution from trucks and other vehicles is described in the actions below.

Action 1: Reduce Truck Idling
Course of Action:
<ul style="list-style-type: none"> <li>Conduct <del>mobile air monitoring</del> measurements near warehouse uses (e.g., warehouse clusters) and adjacent residential areas to identify potential hotspots resulting from heavy-duty truck activities (e.g., idling)</li> </ul>

<sup>i</sup> The Federal Highway Administration categorizes Class 7-8 trucks under the "Heavy Duty (>26,001 pounds (lbs))" gross vehicle weight rating

<ul style="list-style-type: none"> <li>Conduct focused enforcement for idling trucks in high traffic areas, prioritizing areas near schools and residential areas <ul style="list-style-type: none"> <li>Other areas prioritized by the CSC include areas near distribution centers and high traffic corridors such as Soto Street, 4<sup>th</sup> Street, and Whittier Blvd</li> </ul> </li> <li>Collaborate with the CSC to inform community members how to report idling trucks</li> <li>Provide community outreach (e.g., outreach events, flyers, etc.) on existing city, county, CARB, and South Coast AQMD complaint systems <u>to report on reporting</u> idling trucks <ul style="list-style-type: none"> <li>If existing complaint/response system is determined to be ineffective, assess <u>and make feasible improvements</u> <del>where improvements are feasible</del></li> </ul> </li> <li>Work with local cities and the county to install <u>adequate</u> signage that prohibits truck idling in certain locations (e.g., near schools <u>and sensitive receptors</u>) <ul style="list-style-type: none"> <li>Work with the CSC to prioritize locations for signage</li> </ul> </li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Enforcement</li> <li>Collaboration</li> <li>Public Information and Outreach</li> <li><u>Air</u> Monitoring</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>Conduct, at minimum, quarterly idling sweeps and focused inspections for one year, to be evaluated thereafter with community input</li> <li>Engage in two outreach events within the implementation period of this CERP to inform community members how to report idling trucks</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li><u>Beginning July 1, 2019, begin mobile air measurements</u></li> <li>Beginning fall 2019, provide quarterly updates to the CSC on air monitoring activities</li> <li>Beginning fall 2019, work with CARB's enforcement team (and California Highway Patrol (CHP)) to coordinate, at a minimum, quarterly idling sweeps and focused inspections for a period of one year <ul style="list-style-type: none"> <li>Based on results of the sweeps, and continued input from CSC members, adjust idling inspections accordingly</li> </ul> </li> <li><del>Beginning</del> <u>Starting</u> Spring 2020, work with local cities and county to address signage for truck idling, prioritizing locations identified by the CSC</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li><u>Conduct mobile air measurements</u></li> <li>Conduct idling sweeps (which may require coordination with local law enforcement)</li> <li><u>Organize</u> outreach events in collaboration with local entities</li> </ul>

	<ul style="list-style-type: none"> <li>• <u>Collaborate with CSC for outreach on how to report idling trucks</u></li> <li>• <u>Work with CSC and community to assess existing complaint/response system</u></li> </ul>
CARB	<ul style="list-style-type: none"> <li>• Coordinate idling truck inspections with the California Highway Patrol</li> </ul>
<u>County of Los Angeles, City of Los Angeles, City of Commerce</u>	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD to install signage that prohibits truck idling in certain locations</u></li> </ul>
CSC	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD and other local entities to disseminate information on how to report idling trucks in the community (e.g., outreach events and flyers)</u></li> <li>• <u>Work with South Coast AQMD to provide ongoing input and feedback for new locations where trucks idle and where signage should be placed</u></li> <li>• <u>Work with South Coast AQMD to inform community members how to report idling trucks</u></li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• CARB requirements for idling trucks: <a href="https://www.arb.ca.gov/enf/diesel.htm">https://www.arb.ca.gov/enf/diesel.htm</a></li> </ul>	

## Action 2: Reduce Emissions from Heavy-Duty Trucks

### Course of Action:

- Work with the city or the county to evaluate potential designated truck routes and identify resources to enforce these routes
- Collaborate with local businesses, agencies, and organizations to ~~engage in~~ conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs
- Identify South Coast AQMD and other additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks
- Target incentive funds for local small businesses and independent owner/operator (e.g., Voucher Incentive Program)
- Participate in CARB's rule development for future amendments to their truck regulations
- Continue to develop Facility Based Mobile Source Measures (see Warehouse and Rail)
- Conduct focused enforcement of CARB's TRU Regulation, Drayage Truck Rule, and Truck and Bus Rule

### Strategies:

<ul style="list-style-type: none"> <li>• Incentives</li> <li>• Public Information and Outreach</li> <li>• Collaboration</li> <li>• Rules and Regulations</li> <li>• Enforcement</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>• Organize two incentive outreach events per year and provide biannual updates to the CSC</li> <li>• Provide biannual updates on CARB's rule development for truck regulations, and seek community input on progress</li> <li>• Coordinate with CARB staff on using community priorities to focus future enforcement efforts</li> <li>• <u>CARB will conduct enhanced roadside inspections utilizing CSC input to locate areas of concern</u></li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u></li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li>• <u>Starting 2020</u>, when incentive programs are available, begin conducting incentive outreach events and provide quarterly or biannual updates to the CSC</li> <li>• Beginning January 2020, based on findings from idling sweeps, the CSC identified Community Priorities List, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments</li> <li>• CARB's New Regulations phase in 2024-2030</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Provide incentives and targeted outreach for truck incentive programs in this community</li> <li>• Provide updates to CSC</li> <li>• Present truck incentive projects that have been submitted and are being considered for Community Air Grants incentive funding</li> <li>• <u>Provide training to CSC and members of the community leaders or organizations that provide application assistance for incentive programs</u></li> <li>• <u>Participate in CARB's rule development for future truck regulations</u></li> <li>• <u>Continue to develop Facility Based Mobile Source Measures</u></li> <li>• <u>Conduct focused enforcement of CARB's rules and regulations</u></li> </ul>

CARB	<ul style="list-style-type: none"> <li>Continue rule development for amendments to the Drayage Truck Regulation</li> <li>Conduct enhanced roadside enforcement of existing Drayage Truck and Truck and Bus Rules</li> </ul>
City and County Los Angeles, City of Commerce	<ul style="list-style-type: none"> <li><u>Collaborate with South Coast AQMD to evaluate potential designated truck routes and identify sources to enforce these routes</u><del>TBD</del></li> </ul>
CSC members (including businesses, community organizations, and agencies)	<ul style="list-style-type: none"> <li>Work with South Coast AQMD to conduct outreach to truck owners and operators</li> <li>Provide application assistance to <u>small business, independent owner/operators, and other potential applicants</u> for incentive programs</li> <li>Seek funding support to provide this service, e.g., through CARB Community Air Grants</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>CARB Drayage Truck Regulation: <a href="http://www.arb.ca.gov/drayagetruck">www.arb.ca.gov/drayagetruck</a></li> <li>CARB Community Air Grants: <a href="https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants">https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants</a></li> <li>CARB Truck and Bus Regulation: <a href="https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm">https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm</a></li> <li>City general plans: <ul style="list-style-type: none"> <li>City of Los Angeles, Boyle Heights Community Draft Plan: <a href="http://www.bhplan.org/">http://www.bhplan.org/</a></li> <li>City of Commerce General Plan: <a href="http://www.ci.commerce.ca.us/DocumentCenter/Home/View/152">http://www.ci.commerce.ca.us/DocumentCenter/Home/View/152</a></li> <li>Los Angeles County East Los Angeles Community Plan: <a href="http://planning.lacounty.gov/view/east%20los%20angeles%20community%20plan">http://planning.lacounty.gov/view/east los angeles community plan</a></li> </ul> </li> </ul>	

### Action 3: Utilize Existing Traffic Information and New Technology to Identify Older Trucks for Incentive Programs

#### Course of Action:

- Gather existing traffic information from local authorities and other available databases, implement new technology (e.g., ALPR) to collect useful data on truck traffic, and assess the potential impact of truck emissions near schools and residences
  - South Coast AQMD will develop an ALPR privacy policy in compliance with Civil Code Section 1798.90.5, et seq. and hold a public hearing to provide the public an opportunity to comment on the proposed program

<ul style="list-style-type: none"> <li>• Work with CSC to prioritize specific locations, understanding that there may be some restrictions in terms of where such a system can be placed</li> <li>• Explore the possibility of using ALPR <u>and</u> PEAQS system along with DMV data to identify trucks that frequently travel through the community that may be older and more polluting than newer trucks, and contact the owner to provide information about incentive funding programs for truck replacement</li> <li>• Conduct initial air measurements from mobile platforms to look at pollution in the areas of traffic concern for a review with traffic information</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>• Traffic Data Collection</li> <li>• Air Monitoring</li> <li>• Incentives</li> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>• Explore the possibility of using ALPR <u>and</u> PEAQS systems in this community and prioritize locations for deployment based on community input</li> <li>• Once ALPR <u>and</u> PEAQS systems have been deployed, <u>provide ALPR and PEAQS data to the City and County to work towards truck routes</u> <del>with City and County to provide information about the overall results</del></li> <li>• <u>Conduct initial set of air measurements using mobile platforms</u></li> <li>• <u>Conduct a pilot study to test suitability of PEAQS system to support directing incentive funds and/or CARB enforcement actions</u></li> <li>• <u>Provide quarterly or biannual updates to the CSC on progress made to collect and use data from these systems</u></li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u></li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>• <u>Starting 2020</u>, work with CARB and community to prioritize locations for these systems</li> <li>• <u>Starting 2021, if feasible</u>, begin implementation of ALPR <u>and</u> PEAQS systems at priority community locations, compile data, and provide quarterly or biannual updates to the CSC</li> <li>• Once data is available, review data obtained and begin targeted outreach to owners of <u>with</u> older, higher emitting trucks that frequently travel through this community to provide information on incentive programs</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Work with CSC to explore the feasibility of using ALPR systems and prioritize locations for implementation. Once</u></li> </ul>



	<p>data are received, provide incentives and targeted outreach to truck owners for incentive programs in this community</p> <ul style="list-style-type: none"> <li>• <u>Work with local authorities to gather data on truck traffic</u></li> <li>• <u>Work with CARB to conduct pilot measurements in this community</u></li> <li>• <u>Assess the potential impact of truck emissions near schools and residences</u></li> <li>• <u>Provide updates to the CSC on implementation of the ALPR system</u></li> <li>• <u>Explore the possibility of using ALPR and PEAQS systems</u></li> <li>• <u>Conduct initial air measurements to look at pollution in areas of traffic concern</u></li> </ul>
CARB	<ul style="list-style-type: none"> <li>• <u>Continue testing of ALPR and PEAQS systems to improve accuracy. Provide technical assistance to South Coast AQMD to implement ALPR and PEAQS systems</u></li> <li>• <u>Continue to provide technical assistance to South Coast AQMD (e.g., receiving post ALPR data, pair with DMV data, and return with aggregated data, but not specific operator information)</u></li> <li>• <u>Coordinate with South Coast AQMD on process, roles, and commitments</u></li> </ul>
City and County of Los Angeles, City of Commerce	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD to obtain necessary approvals to install cameras for ALPR system</u></li> </ul>
CSC members	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD and CARB to prioritize locations for the ALPR systems</u></li> </ul>
References:	
<ul style="list-style-type: none"> <li>• CARB ALPR system: <ul style="list-style-type: none"> <li>– Presentation: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-may26-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-may26-2019.pdf?sfvrsn=14</a></li> <li>– CARB's ALPR Privacy and Usage Policy is available at: <a href="https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf">https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf</a></li> <li>– Facebook Live presentation: <a href="https://www.facebook.com/southcoastaqmd/videos/1248687388632139/">https://www.facebook.com/southcoastaqmd/videos/1248687388632139/</a></li> </ul> </li> </ul>	

## Action 4: Encourage Replacement of Older Polluting Vehicles with Cleaner Vehicles, including Zero-Emission Vehicles

### Course of Action:

- Conduct targeted outreach through local organizations, businesses, utilities, and/or schools (e.g., colleges or universities) to provide information to the community about battery electric, fuel cell, and hybrid options and incentives available to encourage replacement of older polluting vehicles with cleaner vehicles, and to install chargers at homes and in the community
- Work with partners to develop ideas for the best way to disseminate this information, such as through a community showcase, participation in community events, or other outreach venues
- Work with partners to increase the availability of publicly accessible electric vehicle charging stations in the community

### Strategies:

- Incentives
- Public Information and Outreach
- Collaboration

### Goal(s):

- Engage in two incentive outreach events per year and provide biannual updates to the CSC
- Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a

### Estimated Timeline(s):

- 2020, begin public outreach events and updates to the CSC

### Implementing Agency, Organization, Business or Other Entity:

Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Work with partners to engage in outreach events</u> to provide information and incentives for cleaner vehicles and EV charging stations</li> <li>• <u>Work with partners on ideas for the best way to disseminate information about incentive programs</u></li> </ul>
CARB	<ul style="list-style-type: none"> <li>• Provide information about the Clean Vehicle Rebate Program</li> </ul>
City and County of Los Angeles, City of Commerce	<ul style="list-style-type: none"> <li>• Partner with South Coast AQMD to conduct outreach and identify potential locations for publicly accessible charging stations</li> </ul>

CSC members	<ul style="list-style-type: none"> <li>Partner with South Coast AQMD and identify additional partners to conduct outreach</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>South Coast AQMD Replace Your Ride program: <a href="http://www.aqmd.gov/home/programs/community/community-detail?title=ryr">http://www.aqmd.gov/home/programs/community/community-detail?title=ryr</a></li> <li>Residential Electric Vehicle Charging Incentive Pilot Program: <a href="http://www.aqmd.gov/home/programs/community/community-detail?title=ev-charging-incentive">http://www.aqmd.gov/home/programs/community/community-detail?title=ev-charging-incentive</a></li> <li>CARB Clean Vehicle Rebate Program: <a href="https://cleanvehiclerebate.org/eng">https://cleanvehiclerebate.org/eng</a></li> <li>For more information regarding electric charger incentives offered by the Los Angeles Department of Water and Power (LADWP) to its residential customers for qualifying chargers: <a href="https://www.ladwp.com/ladwp/faces/wcnav_externalId/r-sm-rp-ev?_afrctrl-state=8opyxht4e_4&amp;_afrcLoop=466376315831170">https://www.ladwp.com/ladwp/faces/wcnav_externalId/r-sm-rp-ev?_afrctrl-state=8opyxht4e_4&amp;_afrcLoop=466376315831170</a></li> </ul>	

## References

1. Caltrans, Traffic Volume, 2016, [http://www.dot.ca.gov/trafficops/census/docs/2016\\_aadt\\_volumes.pdf](http://www.dot.ca.gov/trafficops/census/docs/2016_aadt_volumes.pdf), Accessed June 23, 2019.
2. County of Los Angeles, East Los Angeles Community Plan, 2019, [http://planning.lacounty.gov/view/east\\_los\\_angeles\\_community\\_plan](http://planning.lacounty.gov/view/east_los_angeles_community_plan), Accessed May 1, 2019.
3. City of Los Angeles, Boyle Heights Community Draft Plan, 2018, <http://www.bhplan.org/>, Accessed May 1, 2019.
4. City of Commerce, General Plan, City of Commerce, 2018, <http://www.ci.commerce.ca.us/DocumentCenter/Home/View/152>, Accessed May 1, 2019.
5. Southern California Association of Governments, *Goods Movement Appendix*, April 2016, [http://scagrtpscscs.net/Documents/2016/final/f2016RTPSCS\\_GoodsMovement.pdf](http://scagrtpscscs.net/Documents/2016/final/f2016RTPSCS_GoodsMovement.pdf), Accessed May 1, 2019.
6. South Coast AQMD, Ambient Measurements of Air Toxic Pollutants at Resurrection Catholic School in Boyle Heights, April 2012, <http://www.aqmd.gov/docs/default-source/air-quality/air-quality-monitoring-studies/bhpilotstudy-resurrection-catholic-school.pdf?sfvrsn=2>, Accessed June 25, 2019.
7. California Air Resources Board, Improving On-road Vehicle Data: Automated License Plate Readers (ALPR) Portable Emission Acquisition System (PEAQS), <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-may26-2019.pdf>, Accessed May 16, 2019.

8. California Air Resources Board, Update on California Actions to Minimize Community Health Impacts from Freight, March 2019, [https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf?\\_ga=2.79278740.1419761847.1559951314-1545453421.1552083450](https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf?_ga=2.79278740.1419761847.1559951314-1545453421.1552083450), Accessed June 13, 2019.
9. California Air Resources Board, Drayage Trucks at Seaports and Railyards, <https://ww2.arb.ca.gov/our-work/programs/drayage-trucks-seaports-and-railyards>, Accessed June 13, 2019.
10. California Air Resources Board, Truck and Bus Regulation Compliance Requirement Overview, <https://www.arb.ca.gov/msprog/onrdiesel/documents/FSRegSum.pdf>, Accessed June 3, 2019.
11. California Air Resources Board, Truck and Bus Regulation On-Road Heavy Duty Diesel Vehicles (In-Use) Regulation, <https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>, Accessed June 3, 2019.
12. California Air Resources Board, Idling Programs: Commercial Vehicle Idling, May 2019, <https://www.arb.ca.gov/enf/diesel.htm#cmvidling>, Accessed June 13, 2019.
13. California Air Resources Board, Options for Cities to Mitigate HDV Idling, [https://www.arb.ca.gov/enf/arb\\_options\\_cities\\_mitigate\\_idling.pdf](https://www.arb.ca.gov/enf/arb_options_cities_mitigate_idling.pdf), Accessed June 3, 2019.
14. California Air Resources Board, Transport Refrigeration Units, <https://ww2.arb.ca.gov/our-work/programs/transport-refrigeration-unit>, Accessed June 13, 2019.
15. California Air Resources Board, Transport Refrigeration Unit ATCM - Advisories, <https://www.arb.ca.gov/diesel/tru/advisories.htm>, Accessed June 13, 2019.
16. California Air Resources Board, Third Party Agreement Forms, [https://www.arb.ca.gov/diesel/tru/tru\\_test.htm#mozTocId148869](https://www.arb.ca.gov/diesel/tru/tru_test.htm#mozTocId148869), Accessed June 13, 2019.
17. U.S. EPA, Cleaner Trucks Initiative, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/cleaner-trucks-initiative>, Accessed June 13, 2019.
18. California Air Resources Board, Advanced Clean Trucks, <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks/resources>, Accessed June 13, 2019.
19. California Air Resources Board, Zero-Emission Vehicle Fleet, <https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-fleet>, Accessed June 13, 2019.
20. California Air Resources Board, Heavy-Duty Low NOx, April 2019, <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>, Accessed June 13, 2019.

21. South Coast AQMD, On-Road Vehicles,  
[http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/on-road-vehicles](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/on-road-vehicles), Accessed June 3, 2019.
22. South Coast AQMD, Voucher Incentive Program,  
<http://www.aqmd.gov/home/programs/business/business-detail?title=voucher-incentive-program&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.
23. South Coast AQMD, Carl Moyer Program,  
<http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.

---

# CHAPTER 5C:

## RAILYARDS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5c: Railyards (On-site Emissions)

### Background

Railyards are used to store, sort, or load and unload railroad cars. Common loads include containers (stacked or on trailers), tankers with chemical or petroleum products, and bulk products such as construction materials or grain. Containers can be transported to and from warehouses for storage and sorting before reaching their final destination. Regional rail volumes are projected to increase between 2012-2040 in response to growing international trade,<sup>1</sup> however the potential amount of growth at railyards in this community is unknown.

BNSF Railway Company (BNSF) and Union Pacific (UP) Railroad Company, operate many railyards<sup>2</sup> throughout California. There are five major railyards in the ELABHWC Emissions Study Area: Union Pacific Railroad Los Angeles Transportation Center Railyard (UP LATC Railyard), Union Pacific Commerce Railyard, BNSF Hobart Railyard, BNSF Commerce Eastern Railyard, and BNSF Sheila Mechanical railyard (see Figure 5-1 for a map of railyards in this community). There are also several additional smaller rail facilities operated by BNSF and UP, as well as stations and maintenance facilities for passenger rail services run by LA Metro, Amtrak, and Metrolink.

### Community Air Quality Priority – Emissions from Railyards

Air pollution is generated by equipment and vehicles that are used for railyard operations. These vehicles and equipment move containers and railcars into and around the railyard to load, unload, and transport goods in and out of the railyard. Emissions can also be generated during maintenance activities (e.g., load testing). Examples of equipment used for railyard operations include:

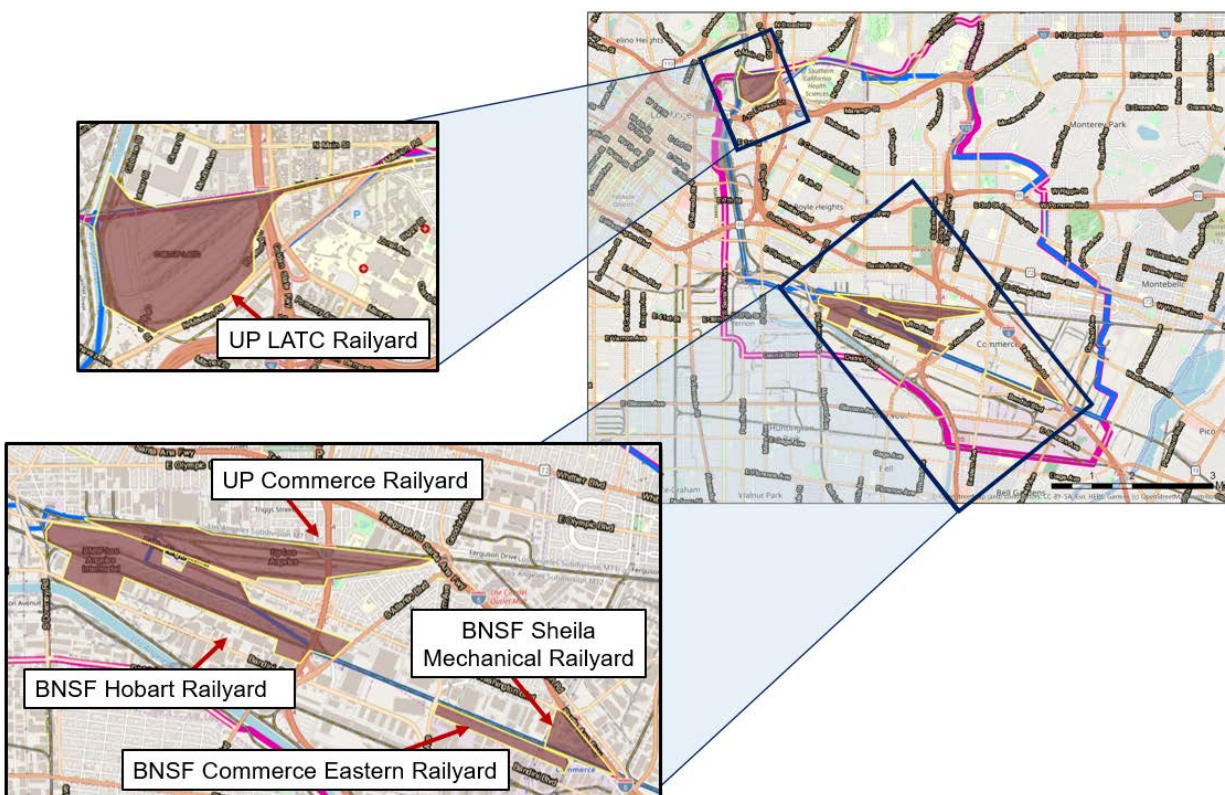
- Locomotives (including ‘switchers’ that build and deconstruct trains, often within railyards, and larger ‘line-haul’ locomotives that pull trains hundreds of miles between railyards)
- Drayage trucks (i.e., on-road tractors that pull trailers loaded with containers, often from the ports)
- Cargo handling equipment (e.g., gantry cranes, top picks, and off-road yard trucks)
- Transportation Refrigeration Units (e.g., truck refrigeration units and refrigerated railcars), and
- Miscellaneous equipment (e.g., fuel trucks)

The CSC prioritized addressing air pollution from railyards in the CERP. Specifically, the CSC expressed concerns about diesel emissions from trains and other diesel equipment at the UP LATC Railyard~~Union Pacific Railroad Los Angeles Transportation Center Railyard~~, Union Pacific Commerce Railyard, BNSF Hobart Railyard, BNSF Commerce Eastern Railyard, and BNSF Sheila



Mechanical railyards. Potential opportunities to reduce emissions from diesel equipment used at railyards include replacing older equipment with newer less polluting equipment (e.g., replacing diesel-fueled yard trucks with lower or zero-emission yard trucks, capturing and controlling emissions from locomotive load testing), and ensuring that the replacement or repower of equipment is based on the cleanest technology commercially available.

Figure 5c-1: Five Railyards within the East Los Angeles, Boyle Heights, West Commerce Community



### Ongoing Efforts

A short summary is provided below of the key regulations and programs that are in place or are being developed at the national, state, and local level to address emissions from railyards.

#### *Federal Actions*

Railroad operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions. However, U.S. EPA has used its authority under the Clean Air Act to require new diesel locomotives to be built to meet the cleanest emission standard (also

known as Tier 4).<sup>3</sup> This requirement also applies to certain locomotives that are remanufactured.<sup>i</sup> These regulations require the installation of devices that reduce idling (i.e., require idling limits with exceptions) on newly manufactured and remanufactured locomotives<sup>4</sup> and mandate the use of ultra-low sulfur diesel fuel.<sup>5</sup> However, these regulations do not require railroads to reduce their use of existing older, higher-emitting locomotives. Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time. In 2017, CARB also petitioned U.S. EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines. The U.S. EPA has not yet acted on this petition. Locomotive fleet turnover is slow as locomotive engines can last over 30 years, so even if the U.S. EPA were to develop a Tier 5 emission standard, it would not result in immediate emission reductions.

#### *State Actions (CARB)*

CARB has two agreements<sup>6</sup> with BNSF and UP to reduce locomotive emissions in and around railyards. An agreement in 1998 required BNSF and UP to meet a fleet average of Tier 2 locomotives in the South Coast Air Basin every year between 2010 and 2030. Both railroads have met this commitment every year. The second agreement in 2005 focused on railyards and required implementation of an idling-reduction program, maximizing the use of ultra-low sulfur diesel fuel, preparation of health risk assessments, evaluation of measures to further reduce diesel particulate emissions, and an assessment of remote sensing technology to identify high-emitting locomotives. CARB has discussed the potential for two new regulations that would reduce emissions from locomotives, including regulation to reduce idling activity and a regulation to address non-preempted locomotive use in the state through retrofit, replacement and other actions. Also, CARB staff plans to develop amendments to the Cargo Handling Equipment Regulation, Transportation Refrigeration Unit Regulation, and its Drayage Truck Regulation to begin the transition to zero-emission technology starting in 2026.<sup>7</sup>

#### *South Coast AQMD*

South Coast AQMD previously adopted rules<sup>8</sup> that would have required railroads to reduce idling, conduct recordkeeping, and prepare emissions inventories and health risk assessments for railyards. However, the railroads sued the South Coast AQMD, and the courts determined that the rules are preempted by federal law and cannot currently be enforced. South Coast AQMD is evaluating potential strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions.<sup>9</sup> The ISR was initially intended to address regional air pollution, in particular through reducing NOx emissions. However, most of the measures that would reduce NOx would also reduce diesel PM emissions, which have a more localized impact on the surrounding communities. The CSC has made it clear that an ISR should

---

<sup>i</sup> Remanufacturing can include activities like replacing an old engine in a locomotive with a new engine. The useful life of a locomotive is typically at least ten years.

also focus on reducing localized impacts from railyards. The railroads have participated in workshops related to Facility Based Mobile Source Measures and reported they will continue to work with South Coast AQMD staff and the community.

South Coast AQMD funds projects to help develop technology that can lower emissions from locomotives (e.g., natural gas, hybrid, battery electric, and fuel cell). These projects are in the design and demonstration phase and not yet commercially available. Additionally, the South Coast AQMD provides incentives for rail operators that purchase technologies for locomotives<sup>10</sup> and cargo handling equipment<sup>11</sup> that is cleaner than required.

### Opportunities for Action

The South Coast AQMD continues to seek opportunities to reduce air pollution from railyards. The actions below have been identified by the CSC to reduce emissions from railyards.

Action 1: Reduce Emissions from Railyards
<p>Course of Action(s):</p> <ul style="list-style-type: none"> <li>• Continue to pursue strategies to reduce air pollution from railyards through the development of an indirect source rule and/or other measures, including reducing localized emissions and exposures</li> <li>• Work with CARB on the development of new requirements to reduce air pollution from railyards</li> <li>• Work with local utilities and state agencies like the California Energy Commission and the Public Utilities Commission to encourage the installation of infrastructure needed to fuel/charge zero emissions vehicles and equipment, and onsite equipment at the railyards</li> <li>• Continue to support CARB's petition<sup>12</sup> to U.S. EPA for new national locomotive emission standards</li> <li>• Work with the railyards in the East Los Angeles, Boyle Heights, West Commerce community to replace diesel-fueled equipment with cleaner technologies<sup>ii</sup></li> <li>• Conduct fenceline and/or mobile <u>air monitoring measurements</u> around railyards to identify activities that may cause increased levels of air pollution. Mobile <u>air</u> measurements (and fixed <u>air</u> monitoring, when appropriate) will extend into the community to assess how railyard related emissions may contribute to the overall air pollution burden in this community             <ul style="list-style-type: none"> <li>- Collaborate with railyards on <u>an air</u> monitoring protocol</li> </ul> </li> <li>• Use emissions inventory and <u>air</u> monitoring information to identify opportunities for emission reductions</li> </ul>
Strategies:

<sup>ii</sup> A variety of technology assessments have been conducted to assist in this effort: <https://ww2.arb.ca.gov/resources/documents/technology-and-fuels-assessments>

<ul style="list-style-type: none"> <li>• Rules and Regulations</li> <li>• Incentives</li> <li>• Collaboration</li> <li>• <u>Air Monitoring</u></li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>• Provide bi-annual updates and engage the CSC on new requirements and/or other measures being developed by CARB and South Coast AQMD</li> <li>• Provide quarterly or annual updates to the CSC on air monitoring results</li> <li>• <u>Replace <del>XX pieces of</del> diesel equipment at the railyards through incentive funding programs</u></li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u></li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>• In the second half of 2019, South Coast AQMD to conduct <u>air monitoring measurements</u> at railyards and nearby communities</li> <li>• In 2020, South Coast AQMD to consider new ISR and/or other measures on railyards</li> <li>• Between 2020 and 2022, CARB to consider new regulations and/or other measures for locomotives</li> <li>• By 2020, CARB to consider amending its regulation for zero-emissions refrigeration units (TRUs)</li> <li>• Second quarter 2020, South Coast AQMD will provide incentive information to railyards to work towards replacing diesel-fueled equipment with cleaner technologies at railyards located in the Wilmington, Carson, West Long Beach community</li> <li>• Use emissions inventory and <u>air monitoring</u> information to identify opportunities for emission reductions, when available</li> <li>• By 2022, CARB to consider amending its regulations for zero-emission drayage trucks and cargo handling equipment</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Continue to pursue an indirect source rule and/or other measures for railyards, and improve community access to rule development process by holding a working group meeting in or near this community</u></li> <li>• <u>Work with CARB to develop new requirements to reduce air pollution from railyards</u></li> <li>• <u>Work with local utilities and state agencies to encourage the installation of infrastructure needed to fuel/charge zero emissions vehicles and equipment at the railyards</u></li> <li>• <u>Provide the CSC with updates on the development of the indirect source rule and/or other measures for railyards</u></li> </ul>

	<ul style="list-style-type: none"> <li>• <u>Continue to support CARB's petition to U.S. EPA for new national locomotive emission standards</u></li> <li>• Work with railroads to provide updates to the CSC on emission reduction progress within the Union Pacific Railroad Los Angeles Transportation Center Railyard (UP LATC Railyard), Union Pacific Commerce Railyard, BNSF Hobart Railyard, BNSF Commerce Eastern Railyard, and BNSF Sheila Mechanical Railyard</li> <li>• Work to allocate incentive funding to replace on-site diesel equipment with the cleanest technologies, based on commercial availability</li> <li>• <u>Conduct air monitoring in communities near the railyards and provide updates to the CSC</u></li> <li>• <u>Work with railyards to develop an air monitoring protocol</u></li> <li>• <u>Work with CARB to identify opportunities for new financial incentives in this community</u></li> <li>• <u>Use emissions inventory and air monitoring information to identify opportunities for emission reductions</u></li> </ul>
<u>BNSF</u>	<ul style="list-style-type: none"> <li>• <u>Continue participation in FBMSM working group meetings</u></li> </ul>
<u>CSC Members</u>	<ul style="list-style-type: none"> <li>• Participate in the CARB and South Coast AQMD rulemaking process (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for regulations affecting railyards</li> </ul>
CARB	<ul style="list-style-type: none"> <li>• Pursue regulations and/or other measures to achieve additional emission reductions at railyards</li> <li>• Prioritize enforcement and identify opportunities for new financial incentives in this community</li> </ul>
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• Indirect Source Rule: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp</a></li> <li>• Carl Moyer Program: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades">http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades</a></li> <li>• CARB's proposed regulations to reduce emissions from locomotives: <a href="https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives">https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives</a><sup>13</sup></li> <li>• <u>CARB's actions to minimize community health impacts from freight and estimated timelines is available at : <a href="https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf">https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf</a></u></li> </ul>	



## References

1. Southern California Association of Governments, 2016 RTP, Goods Movement Appendix.
2. California Air Resources Board, Railyard Maps, March 2013, <https://www.arb.ca.gov/railyard/community/map.htm>, Accessed May 1, 2019.
3. U.S. EPA, Regulations for Emissions from Locomotives, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-emissions-locomotives>, Accessed May 1, 2019.
4. U.S. EPA, Control of Emissions from Idling Locomotives, <https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100HP4Q.pdf>, Accessed May 1, 2019.
5. U.S. EPA, Diesel Fuel Standards and Rulemakings, <https://www.epa.gov/diesel-fuel-standards/diesel-fuel-standards-and-rulemakings#nonroad-diesel>, Accessed May 1, 2019.
6. California Air Resources Board, 1998 Tier 2 Fleet Average in the South Coast Air Basin Agreement, <https://www.arb.ca.gov/railyard/1998agree/1998agree.htm>, and 2005 Statewide Rail Yard Agreement, <https://www.arb.ca.gov/railyard/2005agreement/2005agreement.htm>, Accessed June 5, 2019.
7. California Air Resources Board, <https://www.arb.ca.gov/gmp/sfti/sfti.htm>, Accessed June 5, 2019.
8. Regulation XXXV, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxxv>
9. South Coast AQMD, Railyards & Intermodal Facilities Working Group, <http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp>, Accessed May 1, 2019.
10. South Coast AQMD, Locomotives, [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/locomotives](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/locomotives), Accessed May 31, 2019.
11. South Coast AQMD, Off-Road Compression-Ignition Equipment – Cargo Handling Equipment (CHE), [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/che-off-road-compression-ignition-equipment](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/che-off-road-compression-ignition-equipment), Accessed May 31, 2019.
12. California Air Resources Board, CARB Locomotive Petition to U.S. EPA, April 2017, <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>, Accessed June 5, 2019.
13. California Air Resources Board, Evaluation and Potential Development of Regulations to Reduce Emissions from Locomotives, <https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives>, Accessed May 30, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5D:

## METAL PROCESSING FACILITIES

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5d: Metal Processing Facilities

### Background

Metal processing facilities include a wide variety of operations such as metal finishing (e.g., plating, anodizing, metal spray coating), heat treating, plasma arc cutting, and other operations. These facilities produce parts that are commonly used in the automotive, aerospace, oil and gas, and other industries. There are sixteen (16) metal processing facilities in the East Los Angeles, Boyle Heights, West Commerce community. Certain operational activities at these facilities can be sources of toxic metal emissions.

Nine (9) of the 16 metal processing facilities within the East Los Angeles, Boyle Heights, West Commerce community are metal finishing facilities. An example of the type of metal finishing

Figure 5d-1: Chrome Plated Car Parts



facilities that can be found in the East Los Angeles, Boyle Heights, West Commerce community is decorative chromium electroplating (or decorative chromium plating). One of the key processes at these facilities is placing parts into industrial baths that contain chromic acid ("chromium tanks"). A thin layer of chromium metal (measured in millionths of an inch) is deposited on the part, resulting in a decorative and protective metal finish (Figure 5-1). Examples of parts that are processed at these decorative chromium plating facilities include furniture parts, bathroom fixtures (e.g., handles, and faucets), and automotive bumpers and wheels. Decorative chromium plating facilities are subject to South Coast AQMD Rule 1469, which includes provisions for reducing hexavalent chromium emissions from tanks used for decorative chromium electroplating. The rule also requires building enclosures, housekeeping, and best management practices that minimize the release of fugitive hexavalent chromium emissions. Other metal emissions (e.g., nickel and cadmium) from these facilities are addressed by South Coast AQMD Rule 1426. Additional information on metal processing facilities are available in the Appendix 5d~~[available in the next draft release]~~.

### Community Air Quality Priority – Reduce Exposure to Fugitive Emissions

The East Los Angeles, Boyle Heights, West Commerce CSC identified exposure to fugitive emissions from metal processing facilities as a community air quality priority. To address this

priority, the CSC identified actions that could be effective at reducing the community's exposure to fugitive emissions from metal processing facilities, such as:

- Pursuing air monitoring and focused enforcement;
- Pursuing incentives for emission controls that reduce fugitive metal emissions; and
- Providing outreach to workers, business owners (especially small business owners), trade organizations, and community members about air quality and land use regulations that affect metal processing facilities.

### Ongoing Efforts

South Coast AQMD has a set of existing rules to address toxic metal emissions from metal processing operations. Many of these rules include requirements for air pollution controls, building enclosures, and housekeeping practices. A list of the rules is provided below.<sup>i</sup>

- Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations
- Rule 1420 – Emission Standard for Lead
- Rule 1420.1 – Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead Acid Battery Recycling Facilities
- Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities
- Rule 1426 – Emissions from Metal Finishing Operations
- Rule 1430 – Control of Emissions from Metal Grinding Operations at Metal Forging Facilities
- Rule 1469 – Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations
- Rule 1469.1 – Spraying Operations Using Coatings Containing Chromium

Additionally, South Coast AQMD staff is currently working to develop new rules<sup>ii</sup> and amend existing rules that cover metal processing facilities, including:

- Proposed Amended Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations;
- Proposed Rule 1407.1 – Emissions of Toxics Air Contaminants from Chromium Alloy Melting Operations;
- Proposed Amended Rule 1426 – Reduction of Toxic Air Contaminants from Metal Finishing Operations;
- Proposed Amended Rule 1430 – Control of Emissions from Metal Grinding Operations at Metal Forging Facilities;

---

<sup>i</sup> These rules are available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xiv>.

<sup>ii</sup> The latest updates for these rule development activities are available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>.

- Proposed Rule 1435 – Control of Emissions from Metal Heat Treating Processes;
- Proposed Rule 1445 – Control of Toxic Emissions from Laser Arc Cutting;
- Proposed Amended Rule 1469.1 – Spraying Operations Using Coatings Containing Chromium; and
- Proposed Rule 1480 – Air Toxics Metals Monitoring

### Opportunities for Action

The East Los Angeles, Boyle Heights, West Commerce CSC developed the actions below to address the air quality priorities for metal processing facilities.

<b>Action 1: Identify Areas to Conduct Air Monitoring for Fugitive Toxic Metal Emissions from Metal Processing Facilities</b>	
<b>Course of Action(s):</b>	
<ul style="list-style-type: none"> <li>• Identify sources of elevated levels of toxic metal emissions</li> <li>• If persistent elevated levels of toxic metal emissions are detected at locations through air monitoring activities, <u>determine the source of emissions, collection additional measurements, inspect nearby facilities, and/or request records from the facilities</u> <del>conduct follow-up investigations at those locations using additional techniques</del></li> <li>• Determine if additional actions (e.g., focused enforcement and rule development) are needed to address elevated levels</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Air Monitoring</li> <li>• Enforcement</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>• Determine where additional air sampling or investigation efforts may be needed</li> <li>• Identify locations of metal processing facilities in this community and make this data available to the public</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li>• Mobile <del>Monitoring</del> <u>measurements</u> began July 1, 2019</li> <li>• Mid- to Late-2019, begin monitoring near metal processing facilities that have been identified as potential concerns through <del>mobile</del> <u>air measurements</u> <del>monitoring</del> within this community</li> <li>• Mid-2020, identify and prioritize facilities that may require additional compliance investigation or follow up</li> <li>• Provide the CSC quarterly or biannual updates</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Conduct air monitoring measurements to identify sources of elevated levels of metal emissions.</u> <del>and determine if</del></li> </ul>

	<p><del>additional enforcement action is needed.</del> Provide updates to CSC.</p> <ul style="list-style-type: none"> <li>• <u>If persistent elevated levels of toxic metal emissions are detected, conduct follow-up investigations and determine if any additional enforcement action is needed</u></li> <li>• <u>Determine if additional actions, such as focused enforcement and rule development are needed</u></li> </ul>
Additional Information:	

## Action 2: Reduce Emissions from Metal Processing Facilities through Outreach, Best Management Practices and Incentives

### Course of Action(s):

- Conduct targeted outreach to metal processing facilities in the community and provide information on the South Coast AQMD's Small Business Assistance Program, permitting process, and applicable rules and regulations
- Provide training to facility operators on best management practices and South Coast AQMD rules that address metal processing facilities
- Pursue incentive funds to reduce emissions from metal processing facilities (e.g., transitioning hexavalent chromium electroplating operations to trivalent chromium or installing air pollution controls to reduce emissions where emission reductions exceed rule requirements)

### Strategy:

- Public Information and Outreach
- Rules and Regulations
- Incentives

### Goal(s):

- Facilitate three training sessions to educate business owners and workers on applicable facility rules and best management practices
- Distribute information about the Small Business Assistance Program through targeted outreach to facilities and through community based events
- Provide the CSC with biannual or quarterly updates on public outreach events and incentive opportunities

### Estimated Timeline(s):

- Mid-2020 through 2022, conduct training sessions for business owners on source-specific rules and best management practices

<ul style="list-style-type: none"> <li>• Mid-2020 through 2022, engage in outreach events to distribute information about Small Business Assistance Program</li> <li>• Mid-2020, provide quarterly updates to the CSC on these activities</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Provide outreach materials to business owners on Small Business Assistance Program, best practices, and available incentives</li> <li>• Prepare and deliver training materials for facility owners and operators <u>on South Coast AQMD's permitting process, and applicable rules and regulations</u></li> <li>• <u>Conduct training and Engage in</u> outreach events</li> <li>• <u>Pursue incentive funds to reduce emissions from metal processing facilities (e.g., installing air pollution controls to reduce emissions where emission reductions exceed rule requirements)</u></li> </ul>
Additional Information:	
South Coast AQMD Small Business Assistance Program: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=small-business-assistance">http://www.aqmd.gov/home/programs/business/business-detail?title=small-business-assistance</a>	

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5E:

## RENDERING FACILITIES

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5e: Rendering Facilities

### Background

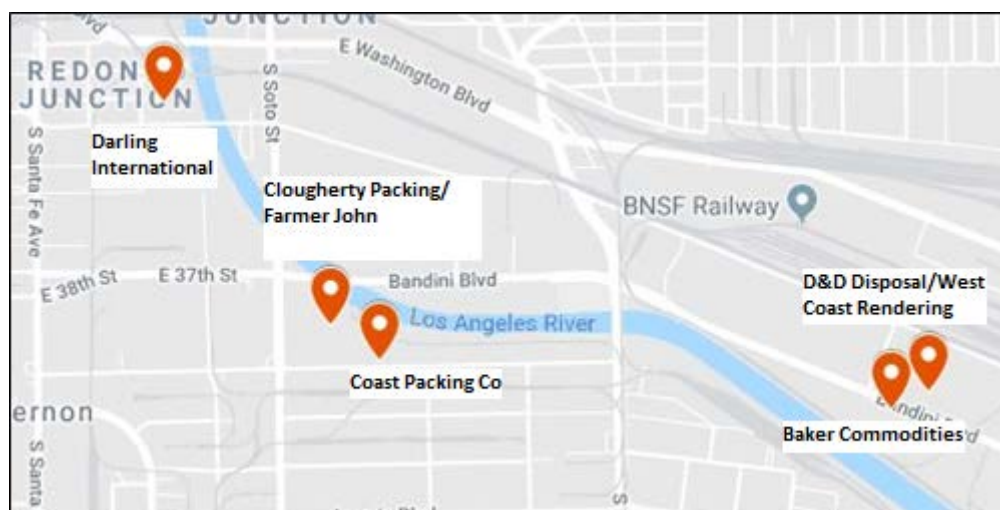
Rendering is a process that converts waste animal tissue into useful materials, such as grease, tallow, and meat meal. These materials are used to make finished products such as biofuels, animal feed, pet food, lubricants, soap, cosmetics, and fertilizer. The raw material that is rendered includes animal carcasses, slaughter waste and trimming, and out-of-date supermarket stock. Because animal carcasses are generally not allowed to be put in landfills, these materials must go to rendering facilities to be processed.

### Community Air Quality Priority – Odors from Rendering Facilities

Several processes within rendering facilities can emit odors. The processes include raw material receiving, raw material size reduction, cooking, fat processing, and wastewater treatment.

Odors from rendering facilities located in the Vernon area can impact the quality of life for the East Los Angeles, Boyle Heights, West Commerce community. There are five rendering facilities located in the Vernon area, including Baker Commodities, Darling International, D&D Disposal/West Coast Rendering, Clougherty Packing/Farmer John, and Coast Packing Co (see Figure 5e-1). It is often difficult to identify which facility is the source of an odor detected in the community because these rendering facilities are located close to one another.

Figure 5e-1: Map of Rendering Facilities



### Ongoing Efforts

Rule 415 – Odors from Rendering Facilities<sup>1</sup> was adopted by South Coast AQMD in November 2017 to reduce odors from rendering facilities. The rule requires emission controls, best management practices, and signs posted at the facility that provide contact information to the public for odor complaints. Rule requirements, such as odor best management practices, were

to have been implemented by facilities within 90 days of the rule's adoption. The installation of emission controls is required to be completed by 2022 or sooner.

### Opportunities for Action

In addition to implementing Rule 415, the CSC identified reducing odors from rendering facilities as a priority. The actions to reduce odors from rendering facilities are described below.

Action 1: Reduce Odors from Rendering Facilities	
Course of Action:	
<ul style="list-style-type: none"> <li>• <del>Engage in and provide</del> Provide public outreach information for the community on Rule 415 requirements, which address odors from rendering facilities</li> <li>• Continue response to odor complaints and update complainants on a timely basis             <ul style="list-style-type: none"> <li>– Provide CSC with periodic summaries of findings, such as whether odors were confirmed and traced back to a specific site/source, and any enforcement actions taken<sup>i</sup></li> </ul> </li> <li>• Conduct mobile <del>air monitoring</del> measurements<sup>ii</sup> for volatile organic compounds (VOCs) near each rendering facility in the community and make <u>air</u> monitoring data publicly available</li> <li>• Conduct facility inspections to evaluate compliance with Rule 415, and follow-up with enforcement action, where appropriate             <ul style="list-style-type: none"> <li>– Make referrals to other regulatory agencies and local health department, as appropriate</li> </ul> </li> </ul>	
Strategy(ies):	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Enforcement</li> <li>• Air Monitoring</li> <li>• Collaboration</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>• Engage in two public outreach events to explain the requirements of Rule 415, and how the public can report odor complaints</li> <li>• Conduct mobile <u>air</u> monitoring near each of the five facilities</li> <li>• Conduct inspections of each rendering facility in the community, and provide information about inspection results to CSC</li> </ul>	

<sup>i</sup> Specific or detailed information from ongoing enforcement investigations will not be able to be shared until Notices of Violation, if any, are settled or closed.

<sup>ii</sup> As described in the Community Air Monitoring Plan Appendix B ([http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b\\_elabhwc.pdf](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b_elabhwc.pdf)), South Coast AQMD staff will use specialized equipment that is capable of detecting VOCs at very low concentrations. However, most sources of odors are difficult to measure, even with modern ~~air monitoring~~ measurement techniques, and, at times, the human nose can detect odors better than air measurement equipment.

<ul style="list-style-type: none"> <li>• Provide quarterly or biannual <u>air</u> monitoring and enforcement updates to the CSC and engage community stakeholders (e.g., community organizations) to attend CSC updates</li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>• First quarter of 2020, begin outreach to provide information on Rule 415 requirements</li> <li>• <u>Continue response to odor complaints and update complainants on a timely basis and facility inspections to evaluate compliance with Rule 415</u></li> <li>• Second half of 2019, begin mobile <u>air monitoring measurements</u> for VOCs near rendering facilities</li> <li>• Mid-2020, begin quarterly or biannual updates to the CSC on <u>air</u> monitoring and enforcement actions, as needed</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Engage in</u><del>Conduct</del> <u>community outreach and provide information</u> on Rule 415 and how to file odor complaints</li> <li>• <u>Conduct inspections on compliance with Rule 415</u> and provide facilities with information on Best Management Practices, with enforcement follow-up as needed</li> <li>• <u>Conduct air monitoring measurements for VOCs</u>, and make data publicly available</li> <li>• Refer appropriate issues identified at these sites to other regulatory agencies and/or local health department</li> <li>• Provide updates to CSC <u>on summaries of findings and any enforcement actions taken</u></li> </ul>
Additional Information:	
Requirements for Rule 415 (Rendering Facilities): <a href="http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-415">http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-415</a>	

## References

1. South Coast AQMD, Rule 415 – Odors from Rendering Facilities, November 2017, <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-415>, Accessed July 18, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5F:

## AUTO BODY SHOPS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5f: Auto Body Shops

### Background

Auto body shops specialize in repairing vehicles by fixing paint or body damage from scratches, dents, and collisions. The paints or coatings used at auto body shops may cause odors and emit air pollutants, including volatile organic compounds (VOCs) or toxic air contaminants, such as metals. The emissions and odors may come from solvents evaporating from paint and solvent applications, clean-up of parts, and storage.

Figure 5f-1: Auto body repair shop painting a motor vehicle



Other operations conducted at auto body shops, such as sanding and grinding, can result in emissions of fine dust from metal compounds (e.g., chromium and nickel).<sup>1</sup> The fine dust containing metal compounds can collect in indoor areas, and can become re-suspended and escape into the outdoor environment, where it can impact the neighboring community.

### Community Air Quality Priority – Emissions from Auto Body Shops

The CSC identified emissions from a number of auto body shops along specific corridors and main streets in the East Los Angeles, Boyle Heights, West Commerce community as an air quality priority. The CSC recognizes that auto body or repair shops are typically small local businesses that may face difficulty complying with existing regulations (e.g., unpermitted open spraying and poor housekeeping practices), potentially contributing to increased emissions and odors.

Based on the South Coast AQMD Facility Information Detail (FIND)<sup>2</sup> database, there are 16 auto body shops with spray booth permits in this community. Additional unpermitted businesses may also exist in this community. Facilities operating without permits or not following rule requirements or permit conditions can lead to excess emissions and increased odors and dust, along with creating an unfair advantage over businesses that comply with the rules.

### Ongoing Efforts

The South Coast AQMD's Small Business Assistance Program<sup>3</sup> offers small business owners and operators free technical assistance, including information on which rules apply to their facilities and operations and how to meet the rule requirements. Among other services, the Small Business Assistance Program can help provide information to auto body shop owners or operators about compliance with the applicable rules described below.



Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations,<sup>4</sup> reduces VOCs and toxic air contaminants from automotive coatings or paints applied to motor vehicles or parts. Rule requirements include VOC limits for automotive coatings or installing an emission control system, following best practices for applying coatings, and recordkeeping.

Rule 1171 – Solvent Cleaning Operations,<sup>5</sup> reduces VOCs and toxic air contaminants from the use, storage, and disposal of solvents. Solvents are often used in auto body or repair shops to clean parts, tools, and machinery.

Some products used by auto body and repair shops, such as spray paints and solvents, contain VOCs. In addition, over the last decade, water-based automotive coatings with lower VOCs and lower VOC solvents have become available. However, the VOCs from these products can still cause odors that can travel downwind. South Coast AQMD’s Rule 402 – Nuisance,<sup>6</sup> addresses issues such as odors or annoyances (e.g., sanding dust and paint overspray) from nearby business operations. Individuals can file a complaint by calling 1-800-CUT-SMOG or can fill out an online form.<sup>7,8</sup> South Coast AQMD inspectors follow up on complaints by investigating whether an alleged source is in compliance with rule and permit requirements. A public nuisance violation can be issued if there are confirmed reports of odors from a considerable number of persons.

Auto body and repair shops may use products that are flammable or present a fire hazard. Local fire agencies require permits for the use or storage of hazardous materials.<sup>9</sup> They may require auto body shops to follow permit conditions with ventilation requirements, use spray booths, and store flammable liquids in appropriate containers. Fire departments inspect businesses to ensure compliance with permit conditions and other appropriate regulations.

### Opportunities for Action

Input provided from the CSC led to the actions described below to reduce emissions from auto body shops.

Action 1: Reduce Emissions from Auto Body Shops
Course of Action:
<ul style="list-style-type: none"> <li>• Conduct targeted outreach to auto body shop owners and operators in the community, including providing information on the South Coast AQMD’s Small Business Assistance Program, permitting process, and applicable rules and regulations</li> <li>• Provide public outreach on South Coast AQMD’s complaint system (1-800-CUT-SMOG and online form) in this community</li> <li>• Provide information to the community on the requirements of Rule 402, which address nuisance (e.g., odor and fugitive dust) and Rules 1151 and 1171, which reduce emissions from motor vehicle coating and solvent cleaning operations at auto body shops and related businesses</li> </ul>

<ul style="list-style-type: none"> <li>Collaborate with local fire departments to inspect possible unpermitted auto body shops and provide information on pertinent fire safety and hazardous waste storage regulations</li> <li>Conduct air <del>monitoring measurements</del> near auto body shops and if persistent elevated levels are found through <u>air</u> monitoring conduct follow-up investigations and/or enforcement actions, where appropriate</li> </ul>	
Strategy(ies):	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> <li>Air Monitoring</li> <li>Enforcement</li> <li>Collaboration</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>Engage in two public outreach events to distribute information about the South Coast AQMD's Small Business Assistance Program</li> <li>Distribute outreach materials on an annual basis to auto body shops in this community to explain the requirements of Rules 402, 1151, and 1171 and South Coast AQMD's complaint system</li> <li>Collaborate with local fire departments to inspect unpermitted auto body shops in the community and distribute pertinent outreach materials during the implementation period of this CERP</li> <li>Provide the CSC quarterly or biannual updates on enforcement or outreach activities</li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>Mid-2020, begin outreach to the community on information about applicable rules and regulations, permitting process, South Coast AQMD's Small Business Assistance Program, and the South Coast AQMD's complaint system</li> <li>Mid-2020, begin quarterly or biannual updates to the CSC on outreach and enforcement activities, or if new information becomes available</li> <li>Mid-2020, coordinate with local fire departments and develop plan to inspect unpermitted auto body shops and distribute outreach materials</li> <li>Early 2020, begin air monitoring near auto body shops</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Provide information to auto body shops, <del>and</del> related businesses, <del>and members of</del> in this community <del>about</del> on the South Coast AQMD's complaint system, the permitting process, and <del>about</del> compliance with Rules 402, 1151, and 1171</li> <li>Collaborate with local fire departments to inspect possible unpermitted auto body shops and provide information on pertinent safety regulations</li> <li>Conduct mobile <u>air</u> monitoring as described in the CAMP</li> </ul>

	<ul style="list-style-type: none"> <li>• Conduct targeted enforcement activities, as needed</li> </ul>
CSC members	Collaborate with South Coast AQMD to help distribute information in this community
Los Angeles City Fire Department	Provide outreach information to the community regarding fire safety regulations pertinent to auto body shops and update South Coast AQMD if any unpermitted auto body shops are found
Additional Information:	
<ul style="list-style-type: none"> <li>• South Coast AQMD's Complaint System: <a href="http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx">http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx</a></li> <li>• Small Business Assistance: <a href="https://www.aqmd.gov/docs/default-source/small-business-assistance/free-help-for-small-businesses.pdf">https://www.aqmd.gov/docs/default-source/small-business-assistance/free-help-for-small-businesses.pdf</a></li> <li>• Requirements for Rule 402 (Nuisance): <a href="http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf">http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf</a></li> <li>• Requirements for Rule 1151 (Motor Vehicle Coating Operations): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1151.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1151.pdf</a></li> <li>• Requirements for Rule 1171 (Solvent Coating Operations): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1171.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1171.pdf</a></li> </ul>	

## References

1. Air Resources Board Compliance Division, *Automotive Refinishing Self-Inspection Handbook*. Sacramento: California Air Resource Board, 1991. Print.
2. South Coast AQMD, Facility Information Detail (F.I.N.D),  
<http://www.aqmd.gov/nav/FIND/facility-information-detail>, Accessed June 20, 2019.
3. South Coast AQMD, Small Business Assistance,  
<http://www.aqmd.gov/home/programs/business/business-detail?title=small-business-assistance>, Accessed June 16, 2019.
4. South Coast AQMD, Rule 1151. Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, September 2014, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1151.pdf>, Accessed June 16, 2019.
5. South Coast AQMD, Rule 1171. Solvent Cleaning Operations, May 2009,  
<http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1171.pdf>, Accessed June 16, 2019.
6. South Coast AQMD, Rule 402. Nuisance, May 1976,  
<http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>, Accessed June 16, 2019.

7. South Coast AQMD, Complaints, <http://www.aqmd.gov/home/air-quality/complaints>, Accessed June 16, 2019.
8. South Coast AQMD, Complaint Reporting System, <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>, Accessed June 16, 2019.
9. South Coast AQMD, Final Environmental Assessment for Proposed Amended Rule 1168 – Adhesive and Sealant Applications, September 2017.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5G:

SCHOOLS, CHILDCARE CENTERS,  
COMMUNITY CENTERS, LIBRARIES,  
AND PUBLIC HOUSING PROJECTS –  
EXPOSURE REDUCTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5g: Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects – Exposure Reduction

### Background

The East Los Angeles, Boyle Heights, West Commerce community identified children's exposure to harmful air pollutants as a priority with additional focus on childcare centers, community spaces (such as community centers), and public housing developments. A major pollutant of concern in this community is diesel particulate matter (PM), generated by neighborhood and freeway truck traffic, and the railyards. The CSC also expressed concern about emissions from metal processing facilities, fugitive dust from general industrial sources, and auto body shops. Children, seniors, and people with certain medical conditions are especially sensitive to the impacts of air pollution. However, proactive steps such as installing high performance air filtration systems inside school buildings and notifying the public when air quality is unhealthy can reduce the public's exposure to harmful air pollutants.

### Community Air Quality Priority – Reducing Exposures at Schools, Childcare Centers, Community Centers, Libraries, and a Public Housing Project

CSC members identified schools and other places where children spend a lot of time (e.g., childcare centers, libraries, and community centers) as places where the South Coast AQMD should focus on reducing exposure to harmful air pollutants. Table 5g-1 lists childcare centers, community centers, libraries, parks, and a public housing project identified by the CSC. The CSC provided examples of air pollution sources, such as the idling of diesel trucks, and dust from metal processing facilities and other general industrial sources that are near schools and community centers. CSC members also shared instances where students and other sensitive populations near sources of air pollution experienced health problems.

~~To address community concerns about the health impacts of air pollution,~~ CSC members prioritized installing school air filtration systems, modifying routes for trucks to minimize movement through residential neighborhoods, and partnerships with community-based organizations for outreach and engagement efforts as ways to reduce exposure to harmful air pollutants. This includes providing information on pollutants of concern within this community, and proactive steps that can be taken to reduce exposure at schools, childcare centers, and community centers, when outdoor air pollution levels are unhealthy.

The CSC asked for the Community Emissions Reduction Plan (CERP) to focus installation of school air filtration systems at locations close to major sources of diesel PM and dust from industrial sources. Specific locations mentioned as priorities included schools near major traffic sources, such as freeways and truck routes, railyards, and metal processing facilities.



Table 5g-1: List of CSC identified childcare centers, community centers, libraries, parks, and a public housing project in the East Los Angeles, Boyle Heights, West Commerce community

CSC Identified Locations Where Children Spend Time	
Atlantic Branch Library	Garcia Park
Bandini Park	Ramona Head Start/State-Pre School
Boys and Girls Club (Ramona Gardens) <sup>i,ii,iii</sup>	Rosewood Park and Library
Bristow Park and Library	Volunteers of America Humphreys Head Start
City of Commerce Teen Center	

### Ongoing Efforts

#### *School Air Filtration ~~Program~~ Efforts*

The installation of air filtration systems in schools can reduce exposure to air pollution inside school buildings. There are certain types of air filtration systems (“high efficiency air filters”) that are effective in filtering very small particles from diesel engines and other dust sources. Small particles can be inhaled deep into the lungs and cause health problems. These filtration systems may be beneficial to schools located near freeways, truck routes, rail yards, metal processing facilities, auto body shops plants, and other sources<sup>1</sup> of PM emissions.

South Coast AQMD has helped install air filtration systems at schools in the Los Angeles Unified School District since 2006, including 20 schools and one community center within the East Los Angeles, Boyle Heights, West Commerce community. Figure 5g-~~122~~ shows a map of the schools and community centers with South Coast AQMD installed air filtration systems. Table 5g-~~2~~ provides a list of these schools and community centers.

<sup>i</sup> Ramona Gardens is a public housing project and would require funding sources or programs to be identified for a residential air filtration system. Residential air filtration systems have not been approved by CARB. South Coast AQMD plans to continue to work with CARB to establish a protocol where residential air filtration systems can be installed.

<sup>ii</sup> Air filtration systems will generally be less effective in older, pre-2006 homes due to lower energy efficiency typically found in Environmental Justice or disadvantaged communities. Limited research on the efficiency of high performance air filtration systems in older homes suggests a 25% - 30% lower efficiency for PM<sub>2.5</sub> and ultrafine PM is expected, which is comparable to having open doors and windows. Most data collected on efficiency of high performance air filtration systems has been on 2006 and new homes, showing an average removal efficiency of 90% for PM<sub>2.5</sub> and ultrafine PM.

<sup>iii</sup> The South Coast AQMD will work with CARB’s Indoor Air Quality program and its contractor to identify effectiveness and opportunities for residential filtration and share this information with the CSC.

Figure 5g-21: Map of completed and potential schools for air filtration systems in the East Los Angeles, Boyle Heights, West Commerce

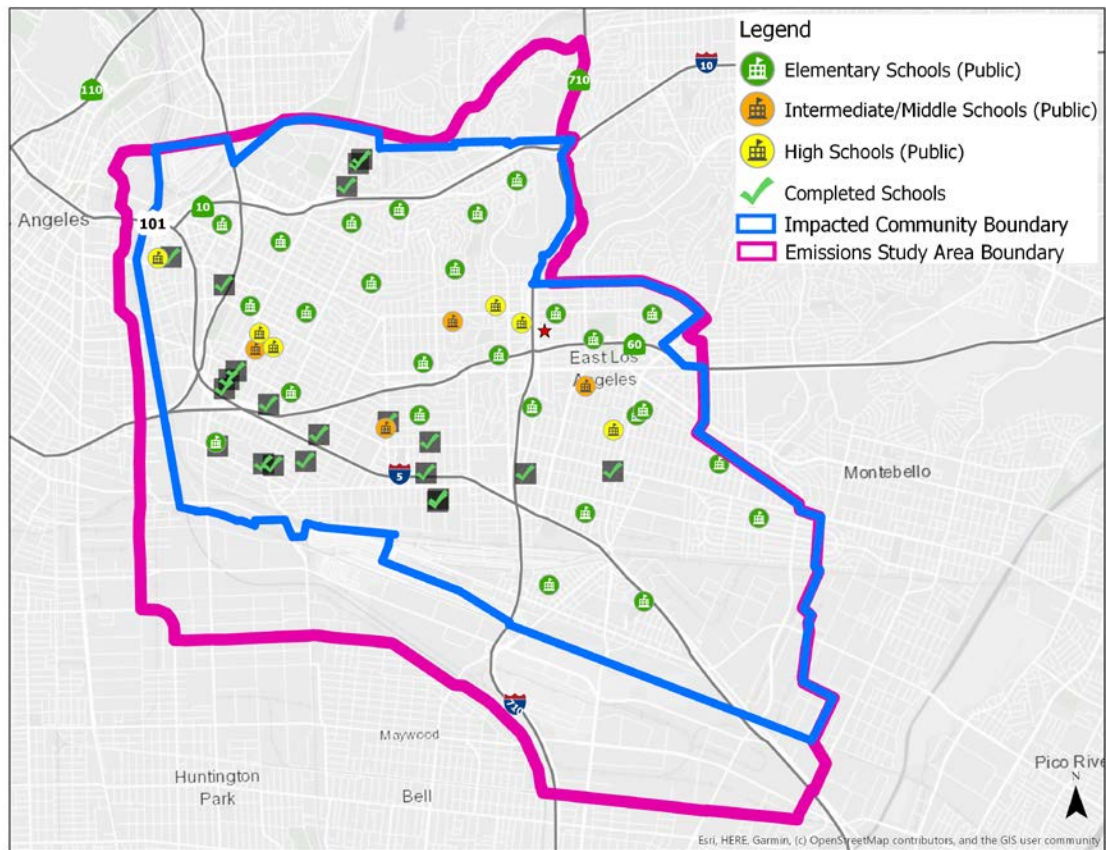


Table 5g-2: List of schools in the East Los Angeles, Boyle Heights, West Commerce community with air filtration systems ~~facilitated by~~ installed through the South Coast AQMD program

Schools and Community Center with Air Filtration Systems	
Amanecer Primary Center	Murchison Elementary School
Carmen Lomas Garza Primary Center	Plaza Community Services
Christopher Dena Elementary School	Resurrection Elementary School
Dacotah Early Elementary Center	Salesian High School
Eastman Avenue Early Education Center	Santa Isabel Elementary School
Ford Boulevard Elementary School	Santa Teresita Elementary School
Kipp Academy of Innovation	Second Street Elementary School
Las Flores Preschool	Soto Street Elementary School
Lorena Street Elementary School	Sunrise Elementary School
Murchison Early Education Center	Utah Street Elementary School

*Environmental Justice Community Partnership (EJCP)<sup>2</sup> Clean Air Ranger Education (CARE)<sup>3</sup>*

The EJCP is designed to build relationships with community members and organizations to achieve clean air and healthy, sustainable communities. The Clean Air Ranger Education (CARE) Pilot Program is a program designed for elementary school education and includes topics on air pollution and health, air quality advisories, air quality flags, and zero-emission technologies.

*Why Air Quality Matters (WHAM) High School Education Program*

The South Coast AQMD is implementing ~~Why Air Quality Matters (WHAM)~~, a Science, Technology, Engineering and Math (STEM) and experiential learning based curriculum, in high schools located within environmental justice communities. WHAM will increase teacher and student awareness on air quality issues in their communities and beyond through activities and experiments, including measuring PM using low-cost, hand-held sensors.

**Opportunities for Action**

In addition to air filtration systems, the CSC prioritized education and outreach as a way to reduce exposure to harmful air pollutants. In addition, Chapter 5b: Neighborhood Truck Traffic describes actions to provide data on truck traffic and potential emissions near schools, which may be useful to support decision-making for truck routing.

**Action 1: Reduce Exposure to Harmful Air Pollutants through Public Outreach****Course of Action:**

- Provide information about air quality-related programs to schools, including the Environmental Justice Community Partnership (EJCP), Clean Air Ranger Education (CARE) and ~~Why Air Quality Matters (WHAM)~~ programs
- Partner with AltaMed, Council of Mexican Federations (COFEM), and other community-based organizations to provide information on how to receive air quality advisories, and how to reduce exposure to air pollution, particularly for sensitive populations
- Partner with community-based organizations such as AltaMed and COFEM to share information or provide outreach to schools for asthma related programs
- Work with appropriate parties to negotiate access to conduct school-based air monitoring to provide air quality information at that location for limited-term assessments

**Strategy(ies):**

- Public Information and Outreach
- Collaboration
- Air Monitoring

**Goal(s):**

- Collaborate with community-based organizations (e.g., AltaMed and COFEM) to provide information to the public on how to receive air quality advisories, and how to reduce exposure to air pollution, particularly for sensitive populations
- Participate in at least two public outreach events (e.g., health fair, Earth Week event) during the implementation period of this CERP at schools or childcare centers to provide information relating to air quality and reducing exposure
- Provide information relating to air quality effects on young children and reducing exposure to facilities where children are located (e.g., schools, childcare centers, community centers, libraries, etc.), prioritizing based on CSC input during the implementation period of this CERP
- Implement CARE and WHAM programs at least two schools in 2020, with possibility of continuing for up to three years<sup>iv</sup>
- Work with appropriate entities to negotiate access to conduct school-based air monitoring for limited-term assessments

**Estimated Timeline(s):**

- Beginning 2020 through 2022, implement CARE and WHAM programs at schools
- Fourth quarter of 2019, begin working with AltaMed on developing health messaging for advisories

<sup>iv</sup> Number of schools and duration of program is contingent upon renewing funding source for subsequent years.

<ul style="list-style-type: none"> <li>Beginning 2020 through 2022, participate in public outreach events on reducing exposure to air pollution</li> <li>Early 2020, begin outreach efforts with community-based organizations (e.g., AltaMed)</li> <li>Installation of air monitoring <u>equipment</u> at schools<sup>v</sup>, childcare centers, libraries, and community centers<sup>vi</sup> prioritized by CSC , as necessary</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Implement the CARE and WHAM programs to schools</li> <li>Partner with community-based organizations on asthma-based programs and air quality notifications that inform the community about proactive steps to reduce exposure to harmful air pollutants</li> <li>Collaborate with organizations to implement outreach events</li> <li>Work with appropriate entities to negotiate access to conduct school-based air monitoring</li> <li>Participate in AltaMed Environmental Health Working Group to identify and address local air quality issues</li> </ul>
Community-Based Organizations (e.g., AltaMed, COFEM)	Partner with South Coast AQMD to develop health messaging and share information and/or provide outreach to schools for air quality, public health, <u>and</u> asthma-related programs
Additional Information:	
<ul style="list-style-type: none"> <li>COFEM: <a href="https://www.cofem.org/">https://www.cofem.org/</a></li> <li>AltaMed: <a href="https://www.altamed.org/">https://www.altamed.org/</a></li> </ul>	

<sup>v</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continue to be provided to schools that have had air filtration systems installed. Given that these projects are dependent on available funding, the CSC will need to prioritize schools for air filtration systems.

<sup>vi</sup> Installation of air filtration at childcare centers, libraries, and community centers is dependent upon having contacts at locations identified by CSC members who would be able to assist in the placement of air monitoring equipment, and may be dependent on the functionality of existing HVAC systems.

## Action 2: Reduce Exposure to Harmful Air Pollutants at Schools, Childcare Centers, Libraries and Community Centers

### Course of Action:

- Work with Los Angeles Unified School District, other local school districts, and CSC members to prioritize schools, childcare centers, libraries, and community centers near truck routes, railyards, and other industrial sources identified by the CSC<sup>vii</sup> that may benefit from installation of air filtration systems
- Work with appropriate agencies toward replacing filters at schools that have existing air filtration systems and installing systems at schools, childcare centers, libraries and community centers that do not have these systems

### Strategy(ies):

- Exposure Reduction

### Goal(s):

- Install air filtration systems at -schools<sup>viii</sup>, childcare centers, libraries, and community centers
- Facilitate input from the CSC on locations to install air filtration systems

### Estimated Timeline(s):

- Mid-2020, work with appropriate agencies toward the installation of high efficiency air filtration systems, replacing filters at schools with air filtration systems and installation at schools without these systems during the implementation period of this CERP

### Implementing Agency, Organization, Business or Other Entity:

Name:	Responsibility:
South Coast AQMD	Implement air filtration systems at prioritized schools, childcare centers, libraries and/or community centers without these systems and replacement filters at existing locations
Los Angeles Unified School District and other local school districts	Partner with South Coast AQMD on the installation of air filtration systems at schools at prioritized locations
Appropriate Entities (e.g., cities and county)	Partner with South Coast AQMD on the installation of air filtration systems at libraries and community centers, if these community spaces are prioritized by the CSC

<sup>vii</sup> Public schools, including charter schools, childcare centers, and public community centers, are eligible for the South Coast AQMD program.

<sup>viii</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continue to be provided to schools that have had air filtration systems installed. Given that these projects are dependent on available funding, the CSC will need to prioritize schools for air filtration systems.

**Additional Information:**

School air filtration program:

<https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf>**Action 3: Reduce Exposure to Harmful Air Pollutants at Homes<sup>ix,x</sup>****Course of Actions:**

- Identify new or existing technologies, programs, and funding sources that can provide the most effective air filtration systems in homes<sup>xi</sup>
- Seek potential partners or funding opportunities to improve weatherization in the homes to help improve the efficiency of the air filters

**Strategy(ies):**

- Exposure Reduction
- Incentives
- Public Information and Outreach

**Goal(s):**

- Partner with appropriate entities to determine new or existing programs that can provide home filtration systems
- If funding or programs become available, share information with CSC

**Estimated Timeline(s):**

- Mid-2020, consult with CSC members and appropriate stakeholders to identify any new or existing home air filtration programs
- If opportunities are identified for residential filtration systems, provide updates to the CSC

**Implementing Agency, Organization, Business or Other Entity:****Name:**South Coast AQMD**Responsibility:**

- Identify new or existing sources or programs that can provide home air filtration resources or home weatherization resources

<sup>ix</sup> Air filtration systems will generally be less effective in older, pre-2006 homes due to lower energy efficiency typically found in Environmental Justice or disadvantaged communities. Limited research on the efficiency of high performance air filtration systems in older homes suggests a 25% - 30% lower efficiency for PM<sub>2.5</sub> and ultrafine PM is expected, which is comparable to having open doors and windows. Most data collected on efficiency of high performance air filtration systems has been on 2006 and new homes, showing an average removal efficiency of 90% for PM<sub>2.5</sub> and ultrafine PM.

<sup>x</sup> Residential air filtration systems have not been approved by CARB. The South Coast AQMD plans to continue to work with them to establish a protocol where residential air filtration systems can be installed.

<sup>xi</sup> If a funding source is identified, South Coast AQMD will install residential air filtration based on the guidelines outlined by the funding source.

	<ul style="list-style-type: none"><li>• <u>Conduct outreach and share information with CSC members, if this becomes available</u></li></ul>
<u>Additional Information:</u>	

## References

1. Polidori, A., et al. "Pilot Study of High-Performance Air Filtration for Classroom Applications." *Indoor Air*, vol. 23, no. 3, 2012, pp. 185–195., doi:10.1111/ina.12013
2. South Coast AQMD, Environmental Justice Community Partnership, <http://www.aqmd.gov/ejcp>, Accessed June 6, 2019.
3. South Coast AQMD, Environmental Justice Community Partnership Advisory Council, June 2019, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf>, Accessed June 6, 2019.



THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5H:

## GENERAL CONCERNS ABOUT INDUSTRIAL FACILITIES, INCLUDING WASTE TRANSFER STATIONS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5h: General Concerns about Industrial Facilities, including Waste Transfer Stations

### Background

The CSC members for the East Los Angeles, Boyle Heights, West Commerce community expressed concerns regarding the large number of industrial facilities and the cumulative impact of all these facilities on the community. The CSC members also expressed concern about odors from industrial facilities, including waste management transfer stations.

These facilities typically require permits from South Coast AQMD as well as other agencies, such as Department of Toxic Substances Control, CalRecycle, and Los Angeles County Sanitation District. While some of the concerns identified by the CSC are outside the regulatory authority of South Coast AQMD, concerns about fugitive dust and odors from these facilities are addressed through existing South Coast AQMD regulations.

### Community Air Quality Priorities –Improved Access to Facility Information, Cumulative Impacts, Odors, and Fugitive Dust Emissions

The East Los Angeles, Boyle Heights, West Commerce CSC identified areas within the community where there are concentrations of industrial facilities, and emphasized the importance of being able to find credible information about these facilities. Specifically, the community would like to be able to search and filter the South Coast AQMD facility database by the type of facility, rather than just by name or a specific location. This feature would allow the community to better understand the specific types of facilities in their area, and obtain emissions information about those facilities. This type of information may be useful to inform land use decisions and facility permitting requirements, if local city ordinances and policies allow for consideration of such additional information.

The CSC also identified concerns about odors in the community, and the lack of community awareness about how to make air quality complaints. CSC members noted that many people in this community do not use the internet or smart phones. The CSC identified the Republic Services East Los Angeles Transfer Station as a particular odor concern, especially because it is located near homes. Other waste transfer stations, such as the Waste Management Los Angeles Transfer Station and the Republic Services Innovative Waste Control Transfer Station, are also located in the community. In addition to odors, these types of facilities can also release fugitive dust, which could impact neighboring residents.

### Ongoing Efforts

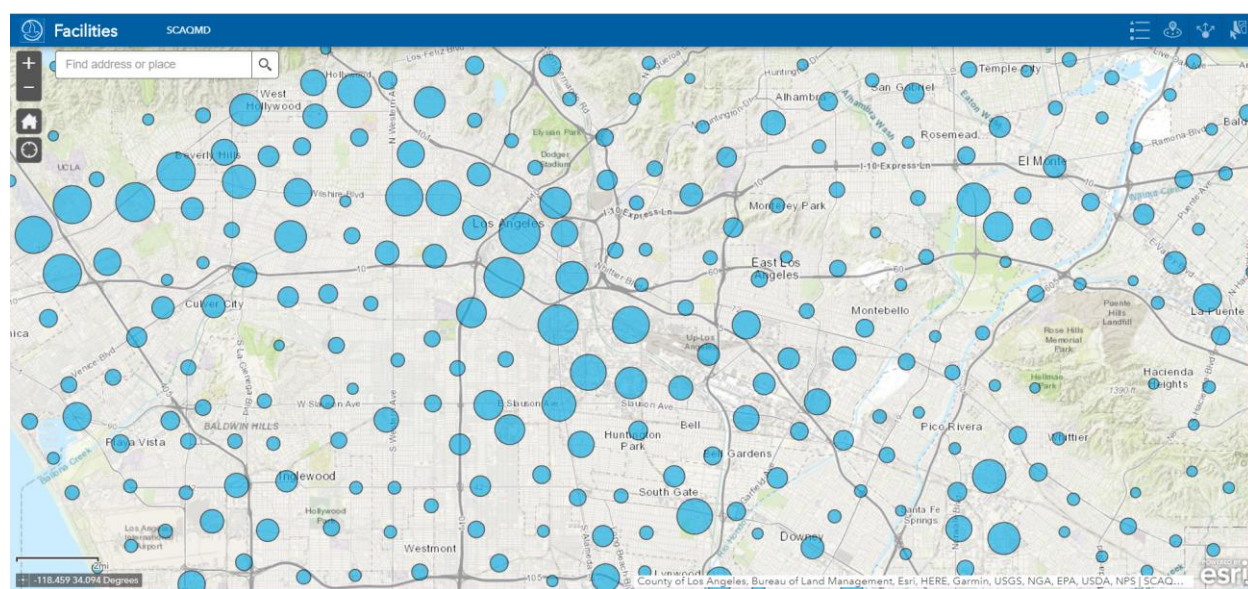
#### *South Coast AQMD Facility Information Detail (FIND)*

South Coast AQMD has a web application where users can search for permitted facilities by name and location. The FIND tool provides detailed information for each facility, including equipment lists, facility air pollution emissions information on key enforcement actions (Notices of Violation,

Notices to Comply, Hearing Board cases), and other documents. The information in FIND is updated daily.<sup>i</sup>

In 2019, South Coast AQMD added an improved interactive map to the FIND tool (Figure 5h-1), so that users can use a map to locate facilities and link to information about those facilities. Users can also search for addresses and place names, and the tool will show a list of active facilities close to that address (Figure 5h-2). Users can also click a link to access more detailed information about the facility.<sup>ii</sup> Additional enhancements to the FIND tool will soon provide detailed information about the status of new permit applications submitted to South Coast AQMD.

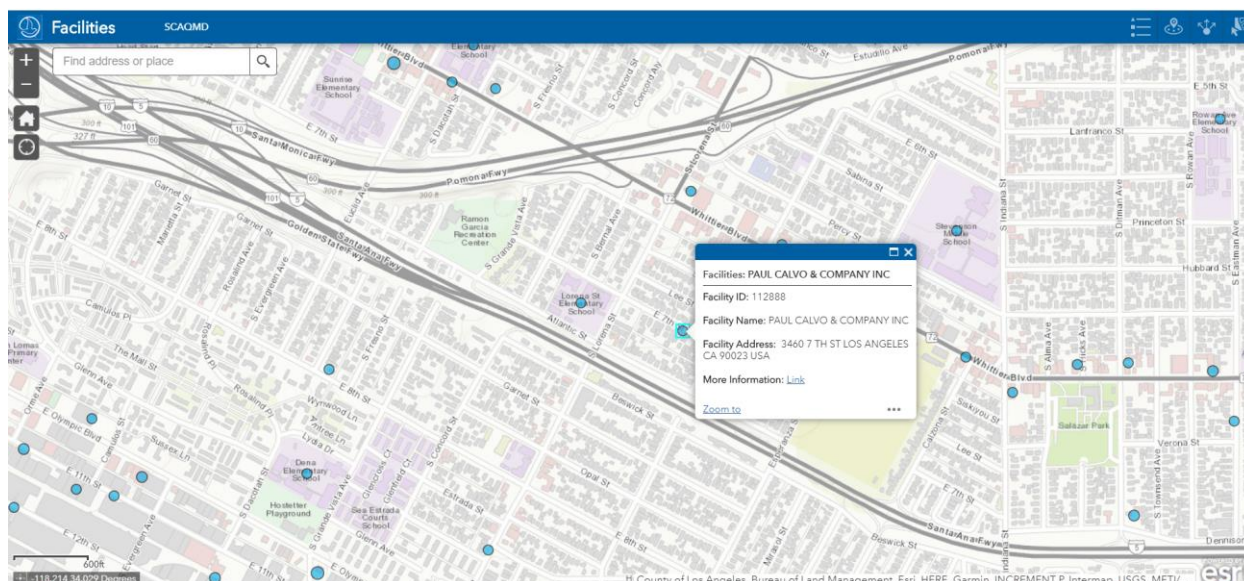
Figure 5h-1: South Coast AQMD FIND interactive map showing location of active facilities; A larger blue dot represents a larger number of facilities in that area



<sup>i</sup> FIND can be accessed by going to <http://www.aqmd.gov/> and clicking the “FIND” menu at the top of the page, or by following this link: <https://xappprod.aqmd.gov/find>.

<sup>ii</sup> The interactive facility map can be accessed by going to <http://www.aqmd.gov/> and selecting “GIS Open Data” under the “Online Services” menu at the top of the page, or by following this link: <https://arcg.is/1Drmjn>.

Figure 5h-2: South Coast AQMD FIND interactive map showing pop-up information about a specific facility; Users can click on a link to access more detailed information about the facility



### *Los Angeles County Department of Regional Planning Green Zones Program<sup>iii</sup>*

The Los Angeles County Department of Regional Planning launched the Green Zones Program in 2015, focusing efforts on disproportionate environmental and health impacts in disadvantaged communities. The Green Zones Program focuses on land use policies, zoning regulations, collaboration with various regulatory agencies, and supporting businesses' to become better neighbors in order to help minimize exposure to toxic pollutants in neighborhoods.<sup>1</sup>

Several existing South Coast AQMD rules address odors, fugitive dust, and other emissions from facilities, including waste transfer stations.

Rule 402 – Nuisance<sup>2</sup> was adopted in 1976, and requires that a person shall not discharge air contaminants that cause injury, detriment, a nuisance, or annoyance to the public.

Rule 403 – Fugitive Dust<sup>3</sup> was amended by South Coast AQMD in 2005 to reduce the amount of particulate matter that may be emitted into the air as a result of man-made dust sources. The rule requires actions to prevent, reduce, or mitigate fugitive dust emissions.

Rule 410 – Odors from Transfer Stations and Material Recovery Systems<sup>4</sup> was adopted by the South Coast AQMD in 2006 to reduce odors from certain municipal solid waste transfer stations and material recovery facilities. The rule requires best odor management practices and requirements.

<sup>iii</sup> The Los Angeles County Green Zones Program applies to the unincorporated area of Los Angeles County in this community.

Rule 415 – Odors from Rendering Facilities was adopted by South Coast AQMD in November 2017 to reduce odors from rendering facilities. The rule requires emission controls, best management practices, and signs posted at the facility that provide contact information to the public for odor complaints.

### Opportunities for Action

South Coast AQMD is seeking to collaborate more closely with land use agencies to identify additional opportunities to reduce fugitive dust and minimize odors. The actions below have been identified by the CSC as strategies that address air quality concerns about industrial facilities more generally in this community, including improving access to facility emissions information, ensuring that facilities have correct permits and working with land use agencies to develop enhanced permit requirements, improving public awareness of how to file air quality complaints, and addressing odors and fugitive dust from waste transfer stations, which could serve as models for other similar facilities.

<b>Action 1: Improve Public Outreach and Accessibility to Facility Information</b>	
<b>Course of Action(s):</b>	
<ul style="list-style-type: none"> <li>Gather community input on features and enhancements that would be useful to include in the South Coast AQMD Facility INformation Detail (FIND) web tool               <ul style="list-style-type: none"> <li>Examples of enhancements could include adding the ability to search by facility type, and whether a facility is in certain regulatory programs (e.g., AB 2588)</li> </ul> </li> <li>Make improvements to the FIND tool to address the community's highest priority requests</li> <li>Conduct community training on how to use the improved FIND tool, when available</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> <li>Collaboration</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>Hold a community meeting biannually to gather feedback on enhancements to the FIND tool</li> <li>Demonstrate revised FIND database at events 4 to provide training and increase awareness of FIND as a public information tool</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li>Second half of 2020 to first half of 2021, conduct community outreach to gather input on the FIND tool</li> <li>2021, implement updates to FIND tool</li> <li>2022, conduct community training on improved FIND tool</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>



South Coast AQMD	<ul style="list-style-type: none"> <li><del>Gather public feedback, make priority improvements to FIND tool, and conduct community training on how to use the FIND tool</del><u>Gather community input on feedback to enhance the FIND web tool (e.g., the ability to search by facility)</u></li> <li><u>Make improvements to FIND tool to address community's highest priority requests</u></li> <li><u>Conduct community training on how to use improved FIND tool</u></li> </ul>
<u>CSC</u>	<ul style="list-style-type: none"> <li><u>Provide South Coast AQMD with feedback to enhance the FIND web tool</u></li> <li><u>Work with South Coast AQMD on community training for how to use improved FIND</u></li> </ul>
Additional Information:	
For FIND web tool: <a href="https://www.arcgis.com/apps/webappviewer/index.html?id=b6c6c754c96648fea71b0cbcb0fca48d">https://www.arcgis.com/apps/webappviewer/index.html?id=b6c6c754c96648fea71b0cbcb0fca48d</a>	

## Action 2: Improve Public Awareness about How to File an Air Quality Complaint

### Course of Action(s):

- Work with local community centers and organizations to provide outreach and training on how to file air quality complaints by phone, web, or mobile app. This outreach would include information about what complaints are handled by South Coast AQMD and CARB (see also Action 4 below)
- Seek opportunities for funding to increase advertising for South Coast AQMD's 1-800-CUT-SMOG complaint line

### Strategies:

- Public Information and Outreach

### Goal(s):

- Identify community partners (e.g., community centers, organizations, etc.) to assist with outreach
- ~~Engage in at least~~Conduct 2 outreach events in this community to provide information and training on how to file air quality complaints by phone, web, or mobile app (See also Action 4 below)
- If funding is obtained, conduct targeted advertising in this community for the 1-800-CUT-SMOG complaint line

### Estimated Timeline(s):



<ul style="list-style-type: none"> <li>• First quarter of 2020, work with CSC to identify community partners that would benefit from education on how to file an air quality complaint</li> <li>• 2020-2022, <del>engage in</del> <del>conduct</del> outreach at a variety of venues</li> <li>• 2020-2022, seek funding opportunities for advertising 1-800-CUT-SMOG</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <del>Work with community partners to conduct outreach on how to</del> <u>file an air quality complaint by phone, web, or mobile app</u></li> <li>• <del>and seek funding for advertising complaint line</del> <u>South Coast AQMD's 1-800-CUT-SMOG complaint line</u></li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• How to file air quality complaint: <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></li> <li>• South Coast AQMD mobile app: <a href="https://www.aqmd.gov/nav/online-services/smartphone">https://www.aqmd.gov/nav/online-services/smartphone</a></li> </ul>	

### Action 3: Work with Land Use Agencies to Identify Facilities that Require a South Coast AQMD Permit

#### Course of Action(s):

- Collaborate with city and county planning departments to conduct annual permit cross-checks for facilities in this community for, to ensure that any facility with a conditional use permit also has an air district permit, where required
  - Work with city and county planning departments to develop a list of relevant facility types that would be included in the permit cross-check efforts
- Conduct Small Business Assistance outreach to identified facilities to provide information about permit applications
  - Follow-up with compliance inspections and enforcement action for facilities not in compliance with South Coast AQMD permit requirements
- Consult with land use agencies to develop guidelines (e.g., design guidelines) that could reduce air pollution impacts from facilities prioritized by this community
- Work with local planning agencies to develop a process for identifying new or renewal permit applications that may warrant South Coast AQMD review for potential air quality impacts

#### Strategies:

- Public Information and Outreach
- Enforcement
- Collaboration

#### Goal(s):

- For every facility identified that requires a permit but does not yet have one, work with the facility to obtain appropriate South Coast AQMD permits

<ul style="list-style-type: none"> <li>Publish guidelines for land use agencies on building and property features that could reduce air pollution impacts from common facility types in this community</li> <li>If the Green Zones ordinance is adopted, develop a system to provide technical consultation pertaining to reducing facility air pollution emissions to LA County Planning on permit applications and renewals<sup>iv</sup></li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>First half of 2020, develop a list of relevant facility types for permit cross-check, and a list of common facility types for guideline development.</li> <li>Second half of 2020, begin conducting annual permit cross-checks with land use agencies</li> <li>2020-2021, develop guidelines for building and property features for the list of common facility types</li> <li>2021, if Green Zones ordinance is adopted, develop criteria and implement the system to provide technical consultation on permit applications or renewals that meet the criteria</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li><u>Work with city and county planning departments to conduct annual permit cross-checks</u></li> <li><u>Work with city and county planning departments to develop a list of relevant facility types that would be included in the permit cross-check process</u></li> <li><u>Conduct Small Business Assistance outreach to identify facilities to provide information about permit applications</u></li> <li><u>Follow-up with South Coast AQMD compliance inspections and enforcement actions for facilities not in compliance with permit regulations</u></li> <li><u>Consult with city and county planning departments to develop design guidelines that could reduce air pollution impacts</u></li> <li><u>Work with city and county planning departments to develop process to identifying new or renewal permit applications that may warrant South Coast AQMD review for potential air quality impacts</u> <del>Work with appropriate land use authorities to provide guidance to ensure that land uses with potentially negative air quality impacts are informed of relevant South Coast AQMD rules, and assist in outreach for land use developments that involve public process and engagement</del></li> </ul>
Los Angeles County Department of Regional Planning and other	<ul style="list-style-type: none"> <li>Work with South Coast AQMD to develop a list of relevant facilities <u>would be included in permit cross-check efforts</u> <del>and conduct permit cross-checks</del></li> </ul>

collaborating agencies and cities	<ul style="list-style-type: none"> <li>• <u>Develop a Green Zones<sup>4</sup> ordinance in consultation with South Coast AQMD, relevant agencies, and the public to help further reduce air pollution impacts from facilities through enhanced building and property features and other permit requirements</u></li> <li>• <u>Work with South Coast AQMD to develop design guidelines that could reduce local air pollution impacts</u></li> <li>• <u>Work with South Coast AQMD to develop a process for identifying new or renewal permit applications that may warrant South Coast AQMD review for potential air quality impacts</u></li> </ul>
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• South Coast AQMD, Small Business Assistance: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=small-business-assistance">http://www.aqmd.gov/home/programs/business/business-detail?title=small-business-assistance</a></li> <li>• Los Angeles County Department of Regional Planning, Green Zones Program: <a href="http://planning.lacounty.gov/greenzones">http://planning.lacounty.gov/greenzones</a></li> </ul>	

#### Action 4: Reduce Odors and Dust from Waste Transfer Stations

##### Course of Action(s):

- Provide public outreach information for the community on how to file odor complaints, and what rules apply to waste transfer stations (Rules 402, 403, and 410) (see also Action 2 above)
- Conduct a training course for transfer station facility operators on best management practices and rules that address odors and fugitive dust
- Conduct unannounced inspections at waste transfer stations in the community
- Respond to odor complaints, conduct appropriate follow-up investigations and enforcement activities, where appropriate, and provide periodic updates to CSC
- Conduct initial screening using air measurement equipment to help identify potential facilities that may be responsible for fugitive dust emissions and odor emissions

##### Strategies:

- Public Information and Outreach
- Enforcement
- Air Monitoring

##### Goal(s):

- Host one training course in the community and invite operators of each of the transfer stations; additional training courses can be organized if necessary

<ul style="list-style-type: none"> <li>• <del>Conduct</del> <u>Engage in at least 2</u> outreach events in this community to provide information and training on how to file air quality complaints by phone, web, or mobile app             <ul style="list-style-type: none"> <li>- Outreach will include information about rules that apply to waste transfer stations (see also Action 2 above)</li> </ul> </li> <li>• Provide the CSC quarterly or biannual updates on outreach, enforcement, and monitoring activities</li> <li>• Conduct initial screening using air measurement equipment to identify potential facilities that may be responsible for fugitive dust emissions and odor emissions             <ul style="list-style-type: none"> <li>- If persistent elevated levels are found and traced to a facility, notify facility operator and conduct additional follow-up monitoring to track progress with reducing emissions</li> </ul> </li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>• First half of 2020, conduct a training course in the community for transfer station operators</li> <li>• Beginning 2020 through 2022, <u>engage in at least</u><del>conduct</del> 2 outreach events at a variety of venues within this community</li> <li>• Mid-2020, begin quarterly or biannual updates to the CSC</li> <li>• Second half of 2019, conduct initial mobile <u>air monitoring</u><del>measurements</del> to evaluate air quality in the community and identify, if any, facilities that may be emitting high levels of pollutants</li> <li>• First half of 2020, begin follow-up <u>air monitoring</u><del>measurements</del> near facilities, that are determined to be the source of persistent elevated levels of emissions</li> <li>• Ongoing, respond to odor complaints, and conduct unannounced inspections</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Provide public outreach for community on how to file odor complaints</u></li> <li>• <u>Conduct training course for transfer station facility operators</u></li> <li>• <u>Conduct unannounced inspections at waste transfer stations</u></li> <li>• <u>Respond to odor complaints, conduct appropriate follow-up investigations and enforcement activities</u></li> <li>• <u>Conduct initial screening using air measurements to help identify potential facilities that may be responsible for fugitive dust emissions and odor emissions</u><del>Conduct community outreach, conduct facility training, conduct initial air measurements, and inspect facilities and conduct enforcement action where appropriate. Provide periodic updates to CSC</del></li> </ul>
<u>CSC</u>	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD to effectively disseminate information on how to file odor related air quality complaints</u></li> </ul>

	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD to identify waste transfer stations of highest priority within the community to conduct inspections</u></li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• South Coast AQMD Rule 402 (Nuisance): <a href="https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf">https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf</a></li> <li>• South Coast AQMD Rule 403 (Fugitive Dust): <a href="https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf">https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf</a></li> <li>• South Coast AQMD Rule 410 (Odors from Transfer Stations and Material Recovery Systems): <a href="https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-410.pdf">https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-410.pdf</a></li> </ul>	

## References

1. Los Angeles County Department of Regional Planning, Green Zones Program, <http://planning.lacounty.gov/greenzones>, Accessed June 19, 2019.
2. South Coast AQMD, Rule 402 - Nuisance, <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>, Accessed June 2019.
3. South Coast AQMD, Rule 403 – Fugitive Dust, <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf>, Accessed June 2019.
4. South Coast AQMD, Rule 410 – Odors From Transfer Stations and Material Recovery Facilities, <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-410.pdf>, Accessed June 2019.

---

# CHAPTER 51:

## IMPLEMENTATION SCHEDULE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5i: Implementation Schedule

The Community Steering Committee (CSC) developed a set of priorities and actions to be implemented by government agencies, organizations, businesses, and other entities to reduce air pollution in their community. The implementation period of the actions in this Community Emissions Reduction Plan (CERP) is expected to be approximately five years. The actions will occur during the timeframe of the plan; however, some actions by South Coast AQMD will be ongoing (e.g., certain regulatory, enforcement, and incentive activities). Rules that are adopted or amended will continue to be in effect past the implementation period of the CERP, as will enforcement of rules to ensure applicable facilities are in compliance. Additionally, some actions in the CERP are designed to allow for minor adjustments when new information becomes available. For example, based on initial air monitoring results, the CSC may refine specific strategies to focus on sources that show elevated emissions. Allowing for these types of adjustments will enable the plan to be successfully implemented.

Each action contains goals and estimated timelines. The goals include metrics designed to measure the progress of the CERP. Examples of these metrics are quarterly enforcement sweeps and emission reduction targets. Beginning in 2021, the South Coast AQMD staff will provide an annual update to the CSC on the progress of meeting these goals.

An overview of the schedule for implementing the actions in the CERP is in Figure 5i-1: Implementation Timeline for Rule Development and Implementation Activities and Figure 5i-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions. Figure 5i-1 covers rule development activities to address air quality priorities in the CERP, and Figure 5i-2 provides a timeline for air monitoring, enforcement, incentives, outreach, and other activities.



Figure 5i-1: Implementation Timeline for Rule Development and Implementation Activities




	2019	2020	2021-2022	2024-2030
	<p><del>Consider Warehouse Indirect Source Rule (ISR)</del></p> <ul style="list-style-type: none"> <li>Rule development for Proposed Amended Rule 1407</li> </ul>	<ul style="list-style-type: none"> <li>Rule development for Proposed Rules 1407.1, 1435, 1469.1, and 1480 and Proposed Amended Rule 1426</li> <li><u>Consider Railyard Indirect Source Rule (ISR)</u></li> <li><u>Consider Warehouse ISR</u></li> </ul>	<ul style="list-style-type: none"> <li>Rule development for Proposed Amended Rules 1420.2 and 1445</li> <li>Participate in CARB's rule development efforts for CARB regulations applicable to this plan</li> </ul>	
		<ul style="list-style-type: none"> <li>CARB to consider: <ul style="list-style-type: none"> <li>Heavy-Duty Low NOx Rule</li> <li>Transport Refrigeration Unit (TRU) Regulation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>CARB to consider: <ul style="list-style-type: none"> <li>Drayage Truck Rule</li> <li>Zero-Emission Fleet Rule</li> <li>Cargo Handling Equipment Rule</li> <li>Potential new locomotive regulations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Phase-in CARB Regulations including: <ul style="list-style-type: none"> <li>Drayage Truck Rule</li> <li>Advanced Clean Truck Rule</li> <li>Zero-Emission Fleet Rule</li> <li>Heavy-Duty Low NOx Rule</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>U.S. EPA to release Draft Clean Truck Initiative</li> </ul>		<ul style="list-style-type: none"> <li>Phase-in U.S. EPA's Cleaner Truck Initiative</li> </ul>

Figure 5i-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions<sup>ii</sup>

	2019	2020	2021
Neighborhood Trucks	<ul style="list-style-type: none"> <li>• Begin mobile air monitoring</li> <li>• Begin working with CARB on quarterly sweeps and focused inspections</li> <li>• <u>Begin quarterly or biannual updates</u></li> <li>• <u>South Coast AQMD will develop an ALPR privacy policy in compliance with Civil Code Section 1798.90.5, et seq. and hold a public hearing to provide the public an opportunity to comment on the proposed program</u></li> </ul>	<ul style="list-style-type: none"> <li>• Begin incentive outreach and public outreach events<sup>i</sup></li> <li>• Organize incentive outreach events and provide updates to CSC</li> <li>• Begin to prioritize Automated License Plate Reader (ALPR) locations with CSC and CARB</li> <li>• CARB will begin to adjust enforcement actions to address areas identified by the CSC based on idling sweeps</li> <li>• Begin working with local cities and county to address signage for truck idling, prioritizing locations identified by the CSC</li> </ul>	<ul style="list-style-type: none"> <li>• Begin implementation of ALPR systems, including compiling data at CSC prioritized locations</li> </ul>
Railyards	<ul style="list-style-type: none"> <li>• Begin air monitoring</li> <li>• Begin quarterly, biannual, or annual updates</li> </ul>	<ul style="list-style-type: none"> <li>• Provide railyards incentive information to work towards replacing diesel-fueled equipment with cleaner technologies</li> </ul>	
Metal Processing	<ul style="list-style-type: none"> <li>• Begin mobile <u>air</u> monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and prioritize metal processing facilities that may require additional compliance follow up</li> <li>• Begin to conduct training on rules and best management practices</li> <li>• Begin to organize outreach events to distribute information about Small Business Assistance Program</li> </ul>	

<sup>i</sup> When incentive programs are available<sup>ii</sup> Actions mentioned in Table 5i-2 will be conducted by South Coast AQMD unless otherwise stated.

Figure 5i-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions<sup>iii</sup> (Continued)

	2019	2020	2021
Rendering	<ul style="list-style-type: none"> <li>Begin mobile <u>air</u> monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Begin outreach on Rule 415 requirements</li> <li>Begin quarterly updates on <u>air</u> monitoring and enforcement, as needed</li> </ul>	
Auto Body Shops		<ul style="list-style-type: none"> <li>Begin air monitoring</li> <li>Begin outreach regarding rules, permitting process, and the South Coast AQMD's complaint system</li> <li>Begin updates to the CSC on outreach and enforcement activities, as needed</li> <li>Develop plan with local fire departments to inspect unpermitted auto body shops and distribute outreach materials</li> </ul>	
Exposure Reduction (Schools, etc.)	<ul style="list-style-type: none"> <li>Work with AltaMed to develop health messaging for advisories</li> </ul>	<ul style="list-style-type: none"> <li>Install air monitoring at locations prioritized by the CSC</li> <li>Begin to participate in outreach events on reducing exposure to air pollution</li> <li>Begin CARE and WHAM programs</li> <li>Work to install school air filtration systems and replace existing filters</li> <li>Begin outreach efforts with community-based organizations</li> </ul>	

<sup>iii</sup> Actions mentioned in Table 5i-2 will be conducted by South Coast AQMD unless otherwise stated.

Figure 5i-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions<sup>iv</sup> (Continued)

	2019	2020	2021	2022
General Industrial	<ul style="list-style-type: none"> <li>Conduct initial mobile <u>air</u> monitoring to identify facilities that may be emitting high levels of pollutants</li> </ul>	<ul style="list-style-type: none"> <li>Begin stationary <u>air</u> monitoring near some high priority facilities, if any</li> <li>Conduct community outreach and training on filing air quality complaints and gather input on the FIND tool</li> <li>Seek funding opportunities for advertising 1-800-CUT-SMOG</li> <li>Train transfer station operators</li> <li>Identify partners to benefit from education on filing air quality complaints</li> <li>Develop a list of facility types for permit cross-checks and for guideline development</li> <li>Conduct annual permit cross-checks with land use agencies</li> <li>Begin to develop guidelines for building and property features on list of facility types</li> <li>Begin quarterly or biannual updates to the CSC</li> </ul>	<ul style="list-style-type: none"> <li>Implement updates to FIND tool</li> <li>If Green Zone ordinance is adopted, develop criteria and implement system to provide technical consultation on permit applications or renewals</li> </ul>	<ul style="list-style-type: none"> <li>Conduct community training on improved FIND tool</li> </ul>

<sup>iv</sup> Actions mentioned in Table 5i-2 will be conducted by South Coast AQMD unless otherwise stated.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5J:

## CEQA ANALYSIS SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5j: California Environmental Quality Act (CEQA) Analysis

The California Environmental Quality Act (CEQA) requires agencies to consider the environmental impacts of a proposed project. CEQA describes and imposes specific legal requirements that agencies must follow when evaluating and making decisions about whether a project will cause a significant environmental impact. The information below describes what South Coast AQMD staff has done and determined with respect to this project – the Community Emissions Reduction Plan (CERP). The information below does contain some legal terms because that is the language contained in the law and use of that language is part of how an agency demonstrates compliance with that law. As noted below, South Coast AQMD staff has looked at all aspects of the CERP and has determined that the CERP is exempt from the requirements of CEQA. The paragraphs below identify the exemptions that apply to the CERP. If the South Coast AQMD Board agrees with staff and determines that the CERP is exempt from CEQA, and approves the CERP, a Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside, and San Bernardino counties.

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the proposed project, has reviewed the proposed project pursuant to:– 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the overall purpose of this project is to improve the environment and health of residents of this selected community and all of the action items within the CERP to support this goal. Thus, the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The CERP contains elements that qualify as feasibility and planning studies, because information needs to be collected to make an informed decision about further action (e.g., rule development). However, the portions of the CERP that qualify as feasibility and planning studies do not prescribe or commit to specific rule requirements, nor have future actions been approved or adopted in advance, because they require an open public process. The regulated community, stakeholders, interested parties, and the public are invited to participate in the rule development process in a public forum. Thus, the portion of the CERP that contains action items which qualify as feasibility or planning studies is statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies.

Additionally, some of the action items in the CERP would require minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, and these action items are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 –



New Construction or Conversion of Small Structures. A portion of the action items within the CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. Another component of the action items in the CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, a portion of the action items within the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies.

South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, as mentioned above, the proposed project is exempt from CEQA. ~~A Notice of Exemption will be prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.~~

---

# CHAPTER 6:

## AIR MONITORING SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 6: Air Monitoring Summary

Air monitoring will be conducted in the East Los Angeles, Boyle Heights, West Commerce community as part of the AB 617 program. Air monitoring can provide valuable information about sources of air pollution, types of pollutants, and air quality impacts in the community. Information that is collected from air monitoring can be used to track air quality prioritized by the community that reduce local resident's exposure to harmful air pollutants.

### Chapter 6 Highlights

- Will provide new information about air pollution at the community level
- Monitoring will be done in areas of concern identified by the selected communities
- Areas selected for monitoring reflect the air quality priorities in AB 617 communities
- Many types of monitoring equipment will be used, from advanced techniques to low-cost sensors

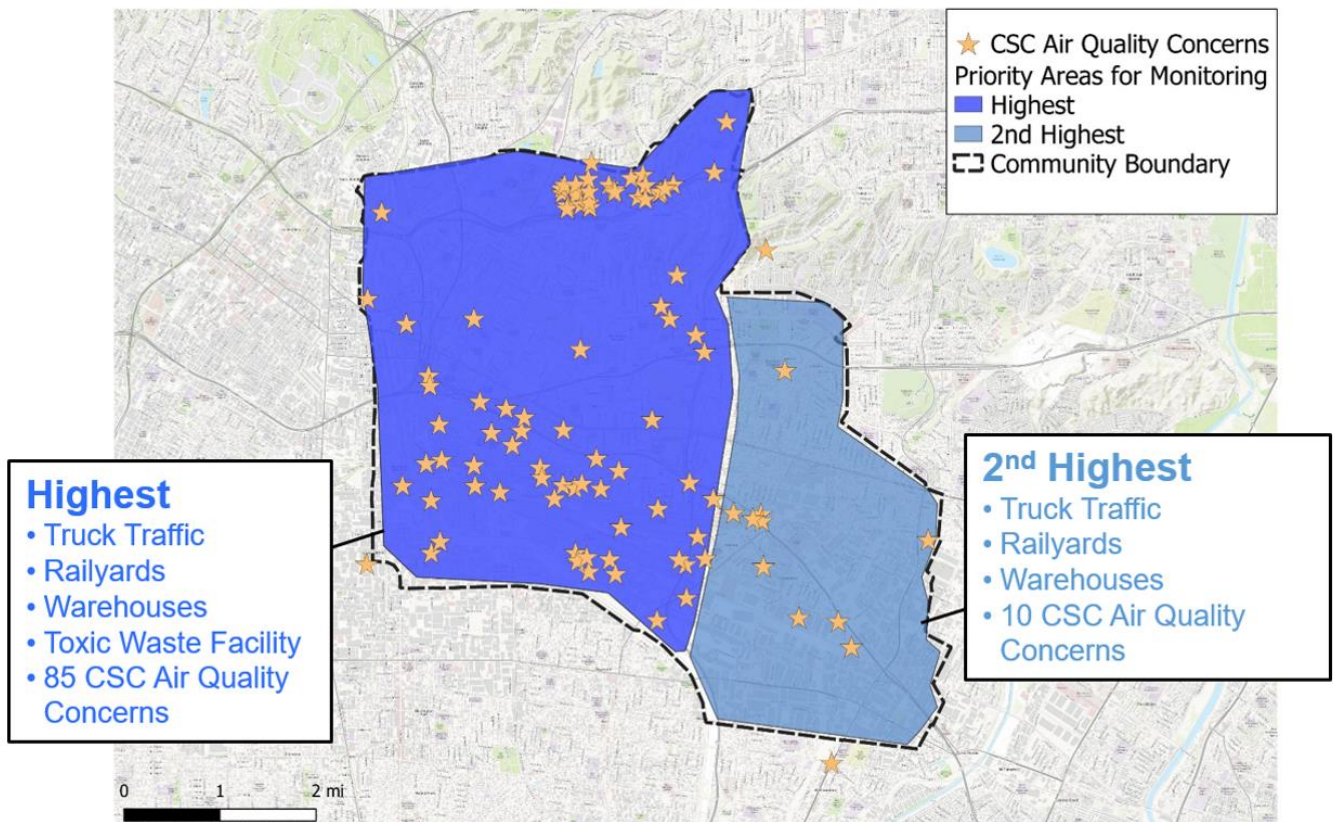
The Community Air Monitoring Plan (CAMP) for the East Los Angeles, Boyle Heights, West Commerce community<sup>1</sup> was developed through close collaboration between the CSC and South Coast AQMD staff. The plan outlines the objectives and strategies for monitoring air pollution in the community based on the air quality priorities identified by the CSC. A detailed description for these priorities is available in the CAMP Appendix B.<sup>2</sup>

The East Los Angeles, Boyle Heights, West Commerce community covers a large geographical area that is affected by a variety of air pollution sources. Consequently, multiple air monitoring methods are necessary to address the community's air quality priorities. These methods include mobile, fixed, and low-cost sensor air monitoring. Mobile air monitoring can be conducted using real- or near-real-time instruments to allow for wide scale community air pollution mapping, and provide more detailed information about air pollution levels at specific locations at specific times (i.e., higher spatial and temporal resolution). Fixed air monitoring can be strategically placed at specific locations near one or more air pollution sources of interest to fully characterize emissions in the community and assess residents' exposure to air pollution. Mobile and fixed air monitoring can be further enhanced with information from air quality sensors that provide real- or near-real-time air pollution information. A benefit of these sensors compared to other monitoring technologies is that they can be installed in more places in the community thereby providing more detailed real-time air quality information. However, low-cost sensors are not as accurate as traditional monitoring techniques, and only measure a limited number of pollutants.

Figure 6-1 identifies areas where air monitoring will occur within the East Los Angeles, Boyle Heights, West Commerce community. The areas are prioritized based on input from the CSC

about community air quality concerns and sources of air pollution. The monitoring areas and priorities can change based on the information gathered during monitoring, input from the community, and/or newly available data from different organizations. A discussion regarding air pollutants measurements and technologies that will be deployed in these areas is provided in the CAMP. The air monitoring strategies outlined in the CAMP may be updated based on future community input, air monitoring results, and other information gathered through implementation of AB 617. Updates to air monitoring strategies will be presented to the CSC for input.

Figure 6-1: Proposed monitoring areas prioritized based on the relative density of air quality concerns in the East Los Angeles, Boyle Heights, West Commerce community



## References

1. South Coast AQMD, AB 617 Community Air Monitoring Plan (CAMP) for the East Los Angeles, Boyle Heights, West Commerce Community, <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/elabhw-camp.pdf>, Accessed July 16, 2019.

- 
2. South Coast AQMD, AB 617 Appendices for the Community Air Monitoring Plan (CAMP) for the East Los Angeles, Boyle Heights, West Commerce Community, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b\\_elabhwc.pdf](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b_elabhwc.pdf), Accessed July 16, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---



THIS PAGE IS INTENTIONALLY LEFT BLANK



# Assembly Bill (AB) 617 Community Air Initiatives

Boyle Heights, East Los Angeles, West Commerce  
Community Steering Committee Meeting #1

Wednesday, November 28<sup>th</sup>, 2018 — 6:00 p.m. - 8:00 p.m.  
Resurrection Church  
3324 Opal St.  
Los Angeles, CA 90023

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open	Reception table	
6:00 pm	Welcome and Introductions	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members	
6:10 pm	AB 617 Program Overview, Community Steering Committee Role and Expectations	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	To know what we are working on, the timeline, and what we are expected to do.
	Air Pollution Background	Philip Fine (Deputy Executive Officer, Planning, Rule Development & Area Sources)	To be able to use the same words (terms) in our discussions, to understand air pollution and the process that we go through to clean the air and to help identify air pollution sources in this community.
6:25 pm	Air Quality Concerns Mapping Activity	SCAQMD Staff, Committee Members, and Members of the Public	To help us understand this community's air quality concerns
7:00 pm	Community Boundaries	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	To help guide where we focus resources from the AB 617 program
7:10 pm	Clean Air Incentives	Dinh Quach (California Air Resources Board)  Mei Wang (Program Supervisor, Science and Technology Advancement)	To show some of the work we are already doing in this community to help clean the air, and to let people know how to submit ideas on how to spend incentive money to make facilities cleaner.
	Steering Committee Charter and Considerations	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members	To talk about the CSC charter and other things to make this committee more effective.
7:35 pm	Public Comment		
	Next Steps	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	
8:00 pm	Adjourn		



# Assembly Bill (AB) 617 Community Air Initiatives

East Los Angeles, Boyle Heights, West Commerce  
Community Steering Committee Meeting #2

Thursday, January 24, 2019 — 6:00 p.m. – 8:00 p.m.  
East Los Angeles Service Center  
133 N. Sunol Drive Los Angeles, CA 90063

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open  Poster session – Monitoring Technologies		
6:00 pm	Welcoming Remarks, and Meeting Expectations – 5 min	Anna Araujo ( <i>East LA Rising, ELA Resident and Cohost</i> )	<ul style="list-style-type: none"> <li>• Set expectations for this meeting</li> </ul>
6:05 pm	Meeting Overview, Air Quality Concerns and Community Boundaries, continued committee discussion and input – 60 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )  Anna Araujo ( <i>East LA Rising, ELA Resident and Cohost</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Help us understand this community's air quality concerns, and start thinking of which concerns can be addressed through AB 617</li> <li>• Provide input on community boundaries, which will help guide technical analysis and prioritization of air quality concerns in this community</li> </ul>
7:05 pm	Public Comment on Community Boundaries – 5 min		
7:10 pm	STRETCH BREAK - 5 min		
7:15 pm	Community Air Monitoring and committee Q&A – 30 min	Andrea Polidori ( <i>Atmospheric Measurements Manager, Science &amp; Technology Advancement</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Provide ideas for what monitoring we may want to do through AB 617</li> </ul>
7:45 pm	CSC Charter and Next Steps – 5 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>• Ask committee to sign charter</li> <li>• Preview of next steps, next meeting topics</li> </ul>
7:50 pm	Public Comment – 10 min		
8:00 pm	Adjourn		



## Ley (AB) 617

### Iniciativas Comunitarias para el Aire

East Los Angeles, Boyle Heights, West Commerce

Reunión #2 del Comité Directivo Comunitario (CDC)

Jueves, 24 de enero, 2019 — 6:00 p.m. – 8:00 p.m.

East Los Angeles Service Center

133 N. Sunol Drive Los Angeles, CA 90063

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas  Sesión de posters - Tecnologías de monitoreo		
6:00 pm	Expectativas de la reunión - 5 min	Anna Araujo ( <i>East LA Rising, Residente de East Los Angeles, y co-anfitrión</i> )	<ul style="list-style-type: none"> <li>• Establecer expectativas para esta reunión.</li> </ul>
6:05 pm	Resumen de la reunión, Preocupaciones de la calidad del aire y límites de la comunidad, y seguir la discusión del comité para que nos den sugerencias - 60 min	Jo Kay Ghosh ( <i>Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área</i> )  Anna Araujo ( <i>East LA Rising, Residente de East Los Angeles, y co-anfitrión</i> )  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Ayúdenos a comprender las inquietudes sobre la calidad del aire de esta comunidad y empiece a pensar qué preocupaciones se pueden abordar a través de AB 617</li> <li>• Proporcionar información sobre los límites de la comunidad, lo que ayudará a guiar el análisis técnico y la priorización de los problemas de calidad del aire en esta comunidad</li> </ul>
7:05 pm	Comentario público sobre los límites de la comunidad – 5 min		<ul style="list-style-type: none"> <li>•</li> </ul>
7:10 pm	DESCANSO PARA ESTIRARSE - 5 min		
7:15 pm	Control del aire comunitario y preguntas y respuestas del comité - 30 min.	Andrea Polidori ( <i>Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología</i> )  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Brindar ideas sobre qué tipo de monitoreo queremos hacer a través de AB 617</li> </ul>
7:45 pm	Carta del Acta y Próximos Pasos - 5 min	Jo Kay Ghosh ( <i>Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área</i> )	<ul style="list-style-type: none"> <li>• Pedirle al comité que firme la carta</li> <li>• Vista previa de los próximos pasos, temas para la próxima reunión</li> </ul>
7:50 pm	Comentario público - 10 min		
8:00 pm	Fin de la reunión		



# Assembly Bill (AB) 617 Community Air Initiatives

East Los Angeles, Boyle Heights, West Commerce  
Community Steering Committee Meeting #3

Thursday, February 28, 2019 — 6:00 p.m. – 8:00 p.m.  
Commerce Senior Center  
2555 Commerce Way Commerce, CA 90040

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	Welcoming Remarks – 5 min	Johncito Peraza Romero (Co-host) and Facilitator	
	Enforcement Overview – 5 min	Terrence Mann (Assistant Deputy Executive Officer, Compliance and Enforcement)	<ul style="list-style-type: none"> <li>To help explain examples of enforcement strategies used by SCAQMD</li> </ul>
	Committee Questions on Enforcement – 5 min	<b>Committee Members only</b>	<ul style="list-style-type: none"> <li>Requested by CSC members</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>Strategies to Address Air Pollution Concerns – 10 min</li> <li>Air Pollution Emissions Data – 5 min</li> </ul>	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	<ul style="list-style-type: none"> <li>To help with developing emission reduction plans in this community</li> <li>To understand where emissions come from in this community</li> </ul>
	Q & A on Strategies and Emissions Data – 5 min	<b>Committee Members and the public</b>	
6:35 pm	<ul style="list-style-type: none"> <li>Community Boundary and Prioritization of Air Quality Concerns – 10 min</li> <li>Prioritization Activity – 30 min</li> <li>Activity Report Back – 15 min</li> <li>Break – 5 min</li> <li>Activity Consensus Results Discussion – 10 min</li> </ul>	SCAQMD staff; Facilitator; Johncito Peraza - Romero (Co-host)  <b>Committee Members and the public</b>	<ul style="list-style-type: none"> <li>Helps SCAQMD prioritize the top air quality concerns from the community</li> <li>Helps guide the SCAQMD's focus for the community emission reduction plans</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Johncito Peraza Romero (Co-host)	
7:50 pm	Public Comment – 10 min	Members of the public, moderated by Facilitator	
8:00 pm	Adjourn		



# Ley(AB) 617

## Iniciativas Comunitarias del Aire

Este de Los Angeles, Boyle Heights, Oeste de Commerce  
Reunión del Comité Directivo Comunitario # 3

Jueves, 28 de Febrero, 2019 — 6:00 p.m. – 8:00 p.m.

Commerce Senior Center

2555 Commerce Way Commerce, CA 90040

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	Bienvenida e introducción del facilitador – 5 min	Johncito Peraza Romero (Co-anfitrión) y Facilitador	
	Perspectiva general de la ejecución de la ley – 5 min  Preguntas y respuestas sobre la ejecución – 5 min	Terrence Mann (Subdirector Ejecutivo Adjunto, Cumplimiento y Cumplimiento)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Para ayudar a explicar ejemplos de estrategias de ejecución utilizadas por SCAQMD</li> <li>• Solicitado por miembros de CSC</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>• Estrategias para abordar los problemas de contaminación del aire – 10 min</li> <li>• Datos de emisiones de contaminación del aire. – 5 min</li> </ul>	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)	<ul style="list-style-type: none"> <li>• Ayudar con el desarrollo de planes de reducción de emisiones en esta comunidad.</li> <li>• Comprender de dónde provienen las emisiones en esta comunidad.</li> </ul>
	Preguntas y respuestas sobre estrategias y datos de emisiones. – 5 min	<b>Miembros del comité y el público</b>	
6:35 pm	<ul style="list-style-type: none"> <li>• Límites comunitarios y priorización de los problemas de calidad del aire – 10 min</li> <li>• Actividad de priorización – 30 min</li> <li>• Reporte de la actividad – 15 min</li> <li>• Descanso – 5 min</li> <li>• Discusión de resultados de consenso de actividad – 10 min</li> </ul>	Personal de SCAQMD; Facilitador; Johncito Peraza - Romero (Co-anfitrión)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Ayuda a SCAQMD a priorizar los principales problemas de calidad del aire de la comunidad</li> <li>• Ayuda a guiar el enfoque de SCAQMD para los planes de reducción de emisiones de la comunidad</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Johncito Peraza Romero (Co-anfitrión)	
7:50 pm	Comentario público – 10 min	Miembros del público, moderado por el coanfitrión	
8:00 pm	Final de la reunión		



# Assembly Bill (AB) 617 Community Air Initiatives

## East Los Angeles, Boyle Heights, West Commerce Community Steering Committee Meeting #4

Thursday, March 28, 2019 — 6:00 p.m. – 8:00 p.m.

Resurrection Church

3324 Opal St., Los Angeles, CA 90023

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks Meeting #3 recap</li> <li>Current progress: What we've done so far – 5 min</li> </ul>	Facilitator; SCAQMD Staff	<ul style="list-style-type: none"> <li>To understand where we are at with developing the community plans</li> </ul>
6:05 pm	Current Rule Development Efforts: <ul style="list-style-type: none"> <li>Best Available Retrofit Control Technology (BARCT) – 3 min</li> <li>Indirect Source Rules (ISR) or Facility Based Mobile Source Measures – 7 min</li> </ul>	Kevin Orellana <i>(Program Supervisor, Planning, Rule Development, &amp; Area Sources)</i>  Ian MacMillan <i>(Manager, Planning, Rule Development, &amp; Area Sources)</i>	<ul style="list-style-type: none"> <li>To provide information on specific rule development efforts related to this community</li> <li>Requested by CSC members</li> </ul>
	Q & A on Current Rule Development Efforts – 5 min	<b>Committee Members</b>	
6:20 pm	<ul style="list-style-type: none"> <li>Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Update on the Community Air Monitoring Plan</li> <li>(Part I): Neighborhood Truck Traffic (Including Trucks from/to Warehouses and to the Railyards), Railyards, On-site Warehouse Emissions – 30 min</li> </ul>	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development, &amp; Area Sources)</i>  Andrea Polidori <i>(Atmospheric Measurements Manager, Science &amp; Technology Advancement)</i>	<ul style="list-style-type: none"> <li>Provides information on the actions that can be included in the CERP to address air quality concerns from this community through AB 617</li> <li>Provides information on the air monitoring plan for the air quality concerns from this community through AB 617</li> </ul>
6:50 pm	CSC Table Discussion Activity <ul style="list-style-type: none"> <li>Introduction – 5 min</li> <li>Activity Discussion, Q&amp;A, and Report Back – 50 min</li> </ul>	SCAQMD Staff; Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To get community input on the proposed measures (actions) to help guide SCAQMD staff in writing the CERP and Community Air Monitoring Plan</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Facilitator	
7:50 pm	Public Comment – 10 min	Members of the Public	
8:00 pm	Adjourn		



# Ley 617

## Iniciativas del Aire en la Comunidad

East Los Angeles, Boyle Heights, West Commerce  
Reunión del Comité Directivo de la Comunidad #4

Jueves, 28 de Marzo, 2019 — 6:00 p.m. – 8:00 p.m.  
Resurrection Church  
3324 Opal St., Los Angeles, CA 90023

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>• Bienvenida y resumen de la reunión #3</li> <li>• Progreso actual: lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador; Personal de SCAQMD	<ul style="list-style-type: none"> <li>• Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:05 pm	Esfuerzos actuales de desarrollo de reglas: <ul style="list-style-type: none"> <li>• La mejor tecnología de control de adaptación disponible (BARCT) – 3 min</li> <li>• Reglas de fuentes indirectas (ISR) o medidas de fuentes móviles basadas en instalaciones – 7 min</li> </ul>	Kevin Orellana (Supervisor, Planificación, Desarrollo de Reglas y Fuentes de Área)  Ian MacMillan (Gerente, Planificación, Desarrollo de Reglas y Fuentes de Área)	<ul style="list-style-type: none"> <li>• Proporcionar información sobre esfuerzos específicos de desarrollo de reglas relacionados con esta comunidad.</li> <li>• Solicitado por miembros de CSC</li> </ul>
	Preguntas y respuestas sobre los esfuerzos actuales de desarrollo de reglas – 5 min	<b>Miembros del comité</b>	
6:20 pm	<ul style="list-style-type: none"> <li>• Ideas iniciales para acciones en el Plan de Reducción de emisiones de la Comunidad (CERP) y actualización sobre el Plan de Monitoreo de Aire de la Comunidad</li> <li>• Parte I): Tráfico de Camiones en el Vecindario (Incluyendo Camiones que Vienen y Van de los Almacenes y del patio ferroviario), Patio ferroviario, Emisiones de almacén en el sitio  – 30 min</li> </ul>	Jo Kay Ghosh (Oficial de efectos a la salud, planificación, desarrollo de reglas y fuentes de área)  Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)	<ul style="list-style-type: none"> <li>• Proporcionar información sobre las medidas (acciones) propuestas para los problemas de calidad del aire de esta comunidad a través de AB 617</li> <li>• Proporcionar información sobre el plan de monitoreo de aire para los problemas de calidad del aire de esta comunidad a través de AB 617</li> </ul>
6:50 pm	Actividad de del comité en mesas <ul style="list-style-type: none"> <li>• Introducción (Facilitador) – 5 min</li> <li>• Actividad, preguntas y respuestas, y resumen – 50 min</li> </ul>	Personal de SCAQMD; Facilitador  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Obtener información de la comunidad sobre las medidas (acciones) propuestas para ayudar a guiar al personal de SCAQMD a redactar el CERP</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador	
7:50 pm	Comentario publico – 10 min	Miembros del público	
8:00 pm	Fin		





# Assembly Bill (AB) 617 Community Air Initiatives

## East Los Angeles, Boyle Heights, West Commerce Community Steering Committee Meeting #5

Thursday, April 25, 2019 — 6:00 p.m. – 8:15 p.m.  
East Los Angeles Service Center  
133 N. Sunol Drive, Los Angeles, CA 90063

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>CSC Business: Charter and Roster, Community Tour Recap Meeting #4 Recap &amp; Current progress: What we've done so far – 10 min</li> </ul>	Facilitator, Anna Araujo <i>(Co-host, East LA Rising)</i> <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Discuss finalizing the CSC roster</li> <li>To understand where we are in developing the community plans</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Committee Presenters – 15 min</li> </ul>	<b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:25 pm	<ul style="list-style-type: none"> <li>Draft Community Air Monitoring Plan (CAMP) – 5 min</li> </ul> <p>Q &amp; A on this agenda item* – 20 min</p>	Andrea Polidori <i>(Atmospheric Measurements Manager, South Coast AQMD)</i>  <b>Committee Members;</b> <i>South Coast AQMD</i>	<ul style="list-style-type: none"> <li>Discuss the Draft Community Air Monitoring Plan</li> </ul>
6:50 pm	<ul style="list-style-type: none"> <li>Information on Sources in this Community and Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Community Air Monitoring Plan (CAMP) (Part II): – 10 min</li> </ul> <p>Q &amp; A on this agenda item &amp; CSC Open Discussion on CAMP and CERP* – 60 min</p>	Jo Kay Ghosh <i>(Health Effects Officer, South Coast AQMD)</i>  Andrea Polidori <i>(Atmospheric Measurements Manager, South Coast AQMD)</i>  Co-host  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Provides information on the sources contributing to air pollution in this community</li> <li>Provides information on ideas for these air quality concerns:               <ul style="list-style-type: none"> <li>-Metal Processing</li> <li>-Toxic Waste Facilities</li> <li>-Rendering Facilities</li> <li>-Auto body Shops</li> <li>-Schools, etc.</li> </ul> </li> <li>To gather community input on the proposed measures (actions) and to help guide South Coast AQMD staff in writing the CERP</li> </ul>
8:00 pm	Next Meeting Topics and Important Reminders – 5 min	Anna Araujo <i>(Co-host, East LA Rising; Facilitator)</i> <b>Committee Members</b>	
8:05 pm	Public Comment – 10 min	Members of the Public	
8:15 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

East Los Angeles, Boyle Heights, y West Commerce  
Reunión del Comité Directivo de la Comunidad #5

Jueves, 25 de Abril, 2019 — 6:00 p.m. – 8:15 p.m.  
East Los Angeles Service Center  
133 N. Sunol Drive, Los Angeles, CA 90063

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Temas del CSC: Constitución y Lista de Participantes, resumen de la tour comunitaria</li> <li>Reunión # 4, Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> <li>– 10 min</li> </ul>	Facilitador, Anna Araujo <i>(Co-anfitrión, East LA Rising)</i> <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Discutir la finalización de la CSC lista de participantes</li> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Presentadores de comité</li> <li>– 15 min</li> </ul>	<b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:25 pm	<ul style="list-style-type: none"> <li>Proyecto de Plan de Monitoreo de Aire de la Comunidad (CAMP)</li> <li>– 5 min</li> </ul> <p>Preguntas y respuestas sobre este tema del programa *</p> <p>– 20 min</p>	Andrea Polidori <i>(Gerente de Mediciones Atmosféricas, South Coast AQMD)</i> <b>Miembros del comité;</b> <i>South Coast AQMD</i>	<ul style="list-style-type: none"> <li>Hablar sobre el borrador del plan de monitoreo de aire comunitario</li> </ul>
6:50 pm	<ul style="list-style-type: none"> <li>Información sobre las fuentes en esta comunidad e ideas iniciales para acciones en el Plan de reducción de emisiones de la comunidad (CERP) y en el Plan de monitoreo del aire de la comunidad (CAMP) (Parte II):</li> <li>– 10 min</li> </ul> <p>Preguntas y respuestas sobre este tema de la agenda y discusión abierta de CSC sobre CAMP y CERP*</p> <p>– 60 min</p>	Jo Kay Ghosh <i>(Oficial de efectos a la salud, South Coast AQMD)</i>  Andrea Polidori <i>(Gerente de Mediciones Atmosféricas, South Coast AQMD)</i>  Anna Araujo <i>(Co-anfitrión, East LA Rising)</i> <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Proporciona información sobre las fuentes que contribuyen a la contaminación del aire en esta comunidad</li> <li>Proporciona información sobre ideas para estas preocupaciones sobre la calidad del aire:               <ul style="list-style-type: none"> <li>- Procesando metal</li> <li>- Instalaciones de residuo tóxicos</li> <li>- Instalaciones de Renderización</li> <li>- Talleres de Carrocería</li> <li>- Escuelas, etc.</li> </ul> </li> <li>Recopilar opiniones de la comunidad sobre las medidas propuestas (acciones) y ayudar a guiar al personal de South Coast AQMD a redactar el CERP.</li> </ul>
8:00 pm	Recordatorios importantes y próximos pasos – 5 min	Anna Araujo <i>(Co-host, East LA Rising;</i> Facilitador <b>Miembros del comité</b>	
8:05 pm	Comentario publico – 10 min	Miembros del público	
8:15 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

## East Los Angeles, Boyle Heights, West Commerce Community Steering Committee Meeting #6

Thursday, May 23, 2019 — 6:00 p.m. – 8:30 p.m.  
Resurrection Church  
3324 Opal St., Los Angeles, CA 90023

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #5 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Facilitator	<ul style="list-style-type: none"> <li>To understand where we are in developing the community plans</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Committee Presenters</li> <li>TBD – 20 min</li> <li>Q &amp; A on this agenda item – 5 min</li> </ul>	TBD  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Actions - Regulations – 5 min</li> <li>Q &amp; A on this agenda item – 30 min</li> <li>Automated License Plate Reader (ALPR) – 10 min</li> <li>Q &amp; A on this agenda item – 10 min</li> </ul>	CARB Staff  Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current regulatory efforts by CARB to address the air quality concerns in this community</li> <li>To provide information on the automated license plate reader</li> </ul>
7:30 pm	<ul style="list-style-type: none"> <li>Committee Discussion on the Community Emission Reduction Plan (CERP) – 30 min</li> </ul>	Jo Kay Ghosh <i>(Health Effects Officer, South Coast AQMD)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To discuss the proposed measures (actions) and begin discussion on goals</li> </ul>
8:00 pm	<ul style="list-style-type: none"> <li>Committee Discussion on Community Air Monitoring Plan (CAMP) – 15 min</li> </ul>	Andrea Polidori <i>(Advanced Monitoring Technologies Manager, South Coast AQMD)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Discuss the Draft CAMP and gather community input</li> </ul>
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Facilitator; <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

*\* Staff is also available for questions after the meeting.*



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Este de Los Ángeles, Boyle Heights, y Oeste Commerce  
Reunión del Comité Directivo de la Comunidad #6

Jueves, 23 de mayo, 2019 — 6:00 p.m. – 8:30 p.m.  
Resurrection Church  
3324 Opal St., Los Angeles, CA 90023

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Facilitador	<ul style="list-style-type: none"> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios.</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité</li> <li>TBD – 20 min</li> <li>Preguntas y respuestas sobre este tema del programa – 5 min</li> </ul>	TBD  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>Acciones y regulaciones de la Junta de Recursos del Aire de California (CARB) – 5 min</li> <li>Preguntas y respuestas sobre este tema del programa – 30 min</li> <li>Lector automático de placas de matrículas (ALPR) – 10 min</li> <li>Preguntas y respuestas sobre este tema del programa – 10 min</li> </ul>	Miembros de CARB  Facilitador  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de CARB para abordar los problemas de calidad del aire</li> <li>Proporciona información sobre el lector automatizado de placas de matrículas</li> </ul>
7:30 pm	<ul style="list-style-type: none"> <li>Discurso del Comité sobre el plan de reducción de emisiones de la comunidad (CERP) – 30 min</li> </ul>	Jo Kay Ghosh <i>(Oficial de efectos a la salud, South Coast AQMD)</i>  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Hablar sobre las medidas propuestas (acciones) y comenzar la discusión sobre metas</li> </ul>
8:00 pm	<ul style="list-style-type: none"> <li>Discurso del Comité sobre el Plan de monitoreo de aire de la comunidad (CAMP) – 15 min</li> </ul>	Andrea Polidori <i>(Gerente de Mediciones Atmosféricas, South Coast AQMD)</i>  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Hablar sobre el borrador del CAMP y recopilar opiniones de la comunidad</li> </ul>
8:15 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador; <b>Miembros del Comité</b>	
8:20 pm	Comentario publico – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

## East Los Angeles, Boyle Heights, West Commerce Community Steering Committee Meeting #7

Thursday, June 27th, 2019 — 6:00 p.m. – 8:30 p.m.  
Commerce Senior Center  
2555 Commerce Way Commerce, CA 90040

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #6 Recap &amp; Current Progress: What we've done so far – 5 min</li> </ul>	Facilitator  Johncito Peraza Romero <i>(Co-host, Active Resident – Commerce)</i>	<ul style="list-style-type: none"> <li>To understand where we are in developing the community plans</li> </ul>
6:05 pm	<ul style="list-style-type: none"> <li>Committee Presenters <ul style="list-style-type: none"> <li>Los Angeles (LA) County Department of Regional Planning – 10 min</li> </ul> </li> <li>Q &amp; A on this agenda item – 5 min</li> </ul>	Soyeon Choi <i>(LA County Department of Regional Planning)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:30 pm	<ul style="list-style-type: none"> <li>Source Attribution: Technical Advisory Group Meeting Update – 5 min</li> </ul>	Rafael Yanez <i>(Active Resident, East LA)</i>	<ul style="list-style-type: none"> <li>To discuss a brief overview of the last TAG committee meeting</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>Discuss the Draft Community Emissions Reductions Plan (CERP) and Measuring Success: Goals* – 10 min</li> <li>Committee Discussion – 40 min</li> </ul>	Dan Garcia <i>(Planning and Rules Manager, South Coast AQMD)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To discuss elements of the Discussion Draft CERP and establish goals for measuring success</li> </ul>
7:25 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Enforcement Actions – 15 min</li> <li>Committee Discussion – 35 min</li> </ul>	CARB Staff  South Coast AQMD Staff; CARB Staff; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current enforcement actions that will be taken by CARB to address the air quality concerns in this community</li> </ul>
8:15 pm	<ul style="list-style-type: none"> <li>Next Meeting Topics and Important Reminders – 5 min</li> </ul>	Johncito Peraza Romero <i>(Co-host, Active Resident – Commerce)</i>  <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\*Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

East Los Angeles, Boyle Heights, West Commerce  
Reunión del Comité Directivo de la Comunidad #7

Jueves, 27 de Junio, 2019 — 6:00 p.m. – 8:30 p.m.  
Commerce Senior Center  
2555 Commerce Way Commerce, CA 90040

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Reunion #6 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador  Johncito Peraza Romero (Co-anfitrión, Residente Activo – Commerce)	<ul style="list-style-type: none"> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios</li> </ul>
6:05 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité <ul style="list-style-type: none"> <li>Departamento de Planificación Regional del Condado de Los Ángeles (LA) – 10 min</li> </ul> </li> <li>Preguntas y respuestas sobre este tema – 5 min</li> </ul>	Soyeon Choi (Departamento de Planificación Regional del Condado de LA)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:30 pm	<ul style="list-style-type: none"> <li>Atribución de la fuente: Actualización de la reunión del Grupo Asesor Técnico – 5 min</li> </ul>	Rafael Yanez (Residente Activo, East LA)	<ul style="list-style-type: none"> <li>Revisar un breve resumen de la última reunión del comité TAG</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>Revisar el borrador para discusión del plan de reducción de emisiones de la comunidad (CERP) y como medir los logros * – 10 min</li> <li>Debate con el comité – 40 min</li> </ul>	Dan Garcia (Gerente de Planificación y Reglas, South Coast AQMD)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Revisar los elementos del borrador del CERP y establecer metas para medir los logros</li> </ul>
7:25 pm	<ul style="list-style-type: none"> <li>Junta de Recursos del Aire de California (CARB) Acciones de ejecución – 15 min</li> <li>Debate con el comité – 35 min</li> </ul>	Personal de CARB  Personal de South Coast AQMD; Personal de CARB; <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad</li> </ul>
8:15 pm	<ul style="list-style-type: none"> <li>Recordatorios importantes y próximos pasos – 5 min</li> </ul>	Johncito Peraza Romero (Co-anfitrión, Residente Activo – Commerce)  <b>Miembros del comité</b>	
8:20 pm	Comentario público – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

East Los Angeles, Boyle Heights, West Commerce  
Community Workshop and Community Steering Committee Meeting #8

Thursday, July 25, 2019  
Workshop 5:30 – 6:00 p.m.  
CSC Meeting 6:00 – 8:30 p.m.  
East Los Angeles Service Center  
133 N. Sunol Drive  
Los Angeles, CA 90063

Time	Item	Presenter	Why is this important?
5:30 pm	<ul style="list-style-type: none"> <li>Doors open – Community Workshop – 30 min</li> </ul>	<b>Committee Members</b>  Members of the Public	To provide information on: <ul style="list-style-type: none"> <li>Community Emissions Reduction Plan (CERP)</li> <li>Community Air Monitoring</li> <li>Incentives</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #7 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Anna Araujo (Co-Host)  <b>Committee Members</b>	To understand where we are in developing the community plans
6:10 pm	<ul style="list-style-type: none"> <li>Technical Advisory Group (TAG) Update – 5 min</li> </ul>	Hector Garcia (Our Lady of Victory Church)	To provide a brief overview of the TAG meeting
6:15 pm	<ul style="list-style-type: none"> <li>Committee Presenter USC Keck School of Medicine – 10 min</li> <li>Committee Discussion – 10 min</li> </ul>	Wendy Gutschow (Administrator, Community Engagement, USC Keck School of Medicine)  <b>Committee Members</b>	To understand current efforts in the community by CSC members to address air quality concerns
6:35 pm	<ul style="list-style-type: none"> <li>Discuss the Discussion Draft Community Emissions Reduction Plan (CERP) Comments Received* – 10 min</li> <li>Committee Discussion – 50 min</li> </ul>	Daniel Garcia (Planning and Rules Manager, South Coast AQMD)  <b>Committee Members</b>	To discuss community feedback and comments received on the Discussion Draft CERP
7:35 pm	<ul style="list-style-type: none"> <li>Community Air Monitoring Update* – 15 min</li> <li>Committee Discussion – 10 min</li> </ul>	Payam Pakbin (Program Supervisor, Monitoring, South Coast AQMD)  <b>Committee Members</b>	To provide an update on the current monitoring efforts being deployed
8:00 pm	<ul style="list-style-type: none"> <li>Facility INformation Detail (FIND) Introduction* – 10 min</li> <li>Committee Discussion – 10 min</li> </ul>	Brian Roche (Systems and Programming Supervisor, Information Management, South Coast AQMD)  <b>Committee Members</b>	To provide introduction to the FIND system
8:20 pm	<ul style="list-style-type: none"> <li>Public Comment – 10 min</li> </ul>	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.





# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

East Los Angeles, Boyle Heights, West Commerce

Taller Comunitario y Reunión del Comité Directivo de la Comunidad no.8

Jueves, 25 de Julio, 2019

Taller 5:30 – 6:00 p.m.

Reunión 6:00 – 8:30 p.m.

East Los Angeles Service Center

133 N. Sunol Drive

Los Angeles, CA 90063

Hora	Asunto	Presentador	¿Porqué es importante?
5:30 pm	<ul style="list-style-type: none"> <li>Puertas Abiertas – Taller Comunitaria – 30 min</li> </ul>	<b>Miembros del Comité</b>  Miembros del Publico	Para proveer información sobre: <ul style="list-style-type: none"> <li>Plan de Reducción de Emisiones de la Comunidad (CERP)</li> <li>Plan de Monitoreo de Aire Comunitario (CAMP)</li> <li>Incentivos</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Reunión #7 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Anna Araujo <i>(Co-anfitriona )</i>  <b>Miembros del Comité</b>	Comprender dónde estamos en el desarrollo de los planes comunitarios
6:10 pm	<ul style="list-style-type: none"> <li>Actualización del Grupo de Asesoramiento Técnico (TAG) – 5 min</li> </ul>	Hector Garcia <i>(Our Lady of Victory Church)</i>	Para proporcionar una breve descripción de la reunión TAG
6:15 pm	<ul style="list-style-type: none"> <li>Presentador del Comité USC Keck School of Medicine – 10 min</li> </ul> Discusión del comité – 10 min	Wendy Gutschow <i>(Administrador, Participación comunitaria, USC Keck School of Medicine)</i>  <b>Miembros del Comité</b>	Para comprender los esfuerzos actuales en la comunidad por parte de los miembros del CSC para abordar los problemas de calidad del aire
6:35 pm	<ul style="list-style-type: none"> <li>Hablar sobre el borrador de discusión Comentarios recibidos del Plan de reducción de emisiones de la comunidad (CERP) – 10 min</li> </ul> Discusión del comité – 50 min	Daniel Garcia <i>(Gerente de Planificación y Reglas, South Coast AQMD)</i>  <b>Miembros del Comité</b>	Para discutir los comentarios de la comunidad y los comentarios recibidos en el borrador de discusión del CERP
7:35 pm	<ul style="list-style-type: none"> <li>Actualización del monitoreo del aire de la comunidad – 15 min</li> </ul> Discusión del comité – 10 min	Payam Pakbin <i>(Supervisor del Programa de Monitoreo, South Coast AQMD)</i>  <b>Miembros del Comité</b>	Para proporcionar una actualización de los esfuerzos de monitoreo actuales que se implementarán
8:00 pm	<ul style="list-style-type: none"> <li>Introducción al programa de FIND (Facility INformation Detail) – 10 min</li> <li>Discusión del comité – 10 min</li> </ul>	Brian Roche <i>(Supervisor de Sistemas y Programación, Gestión de la Información, South Coast AQMD)</i>  <b>Miembros del Comité</b>	Proporcionar una introducción al sistema FIND
8:20 pm	<ul style="list-style-type: none"> <li>Comentario público – 10 min</li> </ul>	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión





# Assembly Bill (AB) 617 Community Air Initiatives

## East Los Angeles, Boyle Heights, West Commerce Community Steering Committee Meeting #9

Thursday, August 22, 2019  
CSC Meeting 6:00 p.m. – 8:30 p.m.  
Commerce Senior Center  
2555 Commerce Way, Commerce, CA 90040

Time	Item	Presenter	Why is this important?
5:30 pm	• Doors Open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Announcements</li> <li>• Meeting #8 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Facilitator  Johncito Peraza Romero <i>(Co-host, Active Resident – Commerce)</i>	To understand where we are in developing the community plans
6:10 pm	<ul style="list-style-type: none"> <li>• Committee Presenters               <ul style="list-style-type: none"> <li>◦ Los Angeles (LA) County Department of Public Health – 10 min</li> <li>◦ Office of LA Mayor Eric Garcetti – 10 min</li> </ul> </li> <li>Committee Discussion – 5 min</li> </ul>	Cristin Mondy <i>(Regional Health Officer, LA County Department of Public Health)</i>  Irene Burga <i>(Air Quality Advisor, Office of LA Mayor Eric Garcetti)</i>  <b>Committee Members</b>	To understand current efforts in the community by CSC members to address air quality concerns
6:35 pm	<ul style="list-style-type: none"> <li>• Governing Board Process Overview and Stationary Source Committee Meeting Recap – 15 min</li> <li>Committee Discussion – 10 min</li> </ul>	Dan Garcia <i>(Planning and Rules Manager, South Coast AQMD)</i>  <b>Committee Members</b>	To provide information on the Governing Board process and a recap of the Stationary Source Committee Meeting
7:00 pm	<ul style="list-style-type: none"> <li>• Draft Community Emissions Reduction Plan (CERP) and Emissions Reduction Targets* – 15 min</li> <li>Committee Discussion – 35 min</li> </ul>	Dan Garcia <i>(Planning and Rules Manager, South Coast AQMD)</i>  <b>Committee Members</b>	To provide an update on revisions of the Draft CERP based on comments received and how actions in the CERP will lead to emission reductions
7:50 pm	<ul style="list-style-type: none"> <li>• Community Air Monitoring Highlights* – 10 min</li> <li>Committee Discussion – 15 min</li> </ul>	Payam Pakbin <i>(Advanced Monitoring Technologies Program Supervisor, South Coast AQMD)</i>  <b>Committee Members</b>	To provide an update on the current monitoring efforts being deployed in the community
8:15 pm	<ul style="list-style-type: none"> <li>• Next Meeting Topics and Important Reminders – 5 min</li> </ul>	Facilitator  <b>Committee Members</b>	
8:20 pm	<ul style="list-style-type: none"> <li>• Public Comment – 10 min</li> </ul>	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Los Angeles, Boyle Heights, Commerce  
Reunión del Comité Directivo de la Comunidad #9

Jueves, 22 de Agosto, 2019  
Reunion 6:00 p.m – 8:30 p.m.  
Commerce Senior Center  
2555 Commerce Way, Commerce, CA 90040

Hora	Asunto	Presentador	¿Porqué es importante?
5:30 pm	Puertas Abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Anuncios</li> <li>Reunion #8 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> </ul> <p>– 10 min</p>	<p>Facilitador</p> <p>Johncito Peraza Romero (Coanfitrión, Residente activo – Commerce)</p>	Comprender dónde estamos en el desarrollo de los planes comunitarios
6:10 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité               <ul style="list-style-type: none"> <li>Departamento de Salud Pública del Condado de Los Angeles (LA)</li> </ul> <p>– 10 min</p> <li>Oficina del alcalde de LA, Eric Garcetti</li> </li></ul> <p>– 10 min</p> <p>Discusión con la comité</p> <p>– 5 min</p>	<p>Cristin Mondy (Oficial Regional de Salud, Departamento de Salud Pública del Condado de Los Angeles)</p> <p>Irene Burga (Asesor de calidad del aire, Oficina del alcalde de Los Angeles, Eric Garcetti)</p> <p><b>Miembros del Comité</b></p>	Comprender los esfuerzos actuales en la comunidad de los miembros de CSC para abordar las preocupaciones sobre la calidad del aire.
6:35 pm	<ul style="list-style-type: none"> <li>Resumen del proceso de la Junta de Gobierno y resumen de la reunión del Comité de fuente estacionaria</li> </ul> <p>– 15 min</p> <p>Discusión con el comité</p> <p>– 10 min</p>	<p>Dan Garcia (Gerente de Planificación y Reglas, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	Para proporcionar información sobre el proceso de la Junta de Gobierno y proporcionar un resumen de la Reunión del Comité de Fuente Estacionaria
7:00 pm	<ul style="list-style-type: none"> <li>Revisar el borrador del plan de reducción de emisiones de la comunidad (CERP) y objetivos de reducción de emisiones</li> </ul> <p>– 15 min</p> <p>Discusión con el comité</p> <p>– 35 min</p>	<p>Dan Garcia (Gerente de Planificación y Reglas, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	Revisar el borrador del CERP basado en los comentario del comité que se han recibido y cómo las acciones en el CERP conducirán reducciones de emisiones
7:50 pm	<ul style="list-style-type: none"> <li>Aspectos destacados del monitoreo del aire comunitario*</li> </ul> <p>– 10 min</p> <p>Discusión del comité</p> <p>– 15 min</p>	<p>Payam Pakbin (Supervisor del Programa de Tecnologías de Monitoreo Avanzado, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	Proporcionar una actualización sobre los esfuerzos de monitoreo actuales que se están implementando en la comunidad
8:15 pm	<ul style="list-style-type: none"> <li>Recordatorios importantes y próximos pasos</li> </ul> <p>– 5 min</p>	<p>Facilitador</p> <p><b>Miembros del Comité</b></p>	
8:20 pm	<ul style="list-style-type: none"> <li>Comentario publico</li> </ul> <p>– 10 min</p>	Miembros del Publico	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión



AB 617: Community Meeting -- Boyle Heights/East Los Angeles/West Commerce -- October 16, 2018 -- 6:00 to 8:00PM

Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
mark Lopez	Executive Director	EYCEJ			
Rocio Hernandez	CD14	→			
Michael Roman	Policy Researcher	PSR-LA			
Irene Burga	AA Advisor	City of LA			



AB 617: Community Meeting -- Boyle Heights/East Los Angeles/West Commerce -- October 16, 2018 -- 6:00 to 8:00PM  
Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Peggy Nguyen	Environmental Supervisor	City of LA Sustainability Envision			
2 Priscilla Hamill	EA program Mgr	Seal Gas			
3 Marbella Flores					
4 Felipe Viarsa					
5 Ray Cheung	Executive Director	Smart ArLA			
6 Bryan Hardwick					
7 [Signature]	Director 1975	BRUNNEN HEALTH			
8 Zully Juarez	Community Engagement Coordinator	USC Environmental Health Center			
9 Ryan Antonio	Staff	CARB			
10 Valerie Gonzalez	Equity Specialist	Center for Sustainable Energy			



AB 617: Community Meeting -- Boyle Heights/East Los Angeles/West Commerce -- October 16, 2018 -- 6:00 to 8:00PM  
Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	PAULINA VARGAS					
2	LAURA MCALISTER	EEA	LASAN			
3						
4	Richard H. Whitlock		ceeb			
5	Terrell G					
6	Angela Lopez		MFN EYES			
7	Fredrick Harris	Director	CITY OF KENNON			
8	Tom Gross		SCF			
9	CINDY DONIS		EYGEJ			
10	Cindy Dipola	Director M-O	Paramount USD			



AB 617: Community Meeting -- Boyle Heights/East Los Angeles/West Commerce -- October 16, 2018 -- 6:00 to 8:00PM  
Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Chavez	Coalition for Clean Air	→ Deputy Policy Director			
2						
3	B. Timberlake Tom Williams		San Tech Adv. D. Stephens for A Safe Community			
4	Melanie GAYN					
5	Alicia CARRA	Engineer mechan	CA County Superior Court			
6	Lupe Franco					
7	Hector Corona					
8	Joan Greenwood	President	Wrigley Area Neighborhood Alliance			
9	Kim Tachiki-Chin		Rep. Evelyn Alford			
10						



**Liliana Isabel Nuñez**

Air Pollution Specialist  
State Strategy Section  
Office of Community Air Protection



**BizFed** Los Angeles  
County  
Business  
Federation

Strengthening the Voice of Business

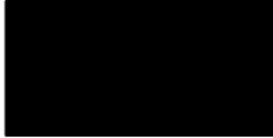
bizfed.org  
twitter.com/@bizfed  
facebook.com/bizfed

**Sarah Wiltfong**  
Policy Manager



**LaDonna DiCamillo**  
Regional Asst. Vice President  
State Government Affairs

**BNSF**  
RAILWAY



CALIFORNIA  
Small Business **Alliance**  
Dedicated to Environmental Progress and Economic Growth



**W. R. "Bill" La Marr**  
Executive Director



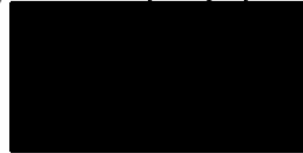
**Nick Vizenor**

Air Pollution Specialist  
Community Air Monitoring South  
Monitoring and Laboratory Division  
Nick.Vizenor@arb.ca.gov



**BNSF**  
RAILWAY

**BNSF Railway Company**

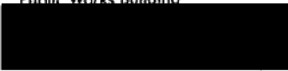


Department of Public Works  
LA Sanitation



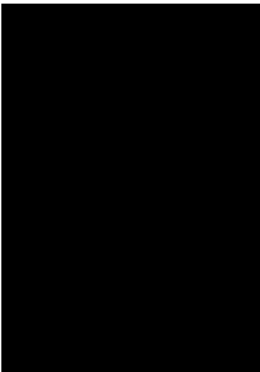
**DANIEL HACKNEY**  
Environmental Affairs Officer

Public Works Building



**BUILDING AMERICA®**

**Lupe C. Valdez**  
Dir Public Affairs - Corporate Relations



**Cody Rosenfeld**  
Policy Associate

**COALITION FOR  
CLEAN AIR**



**SoCalGas**  
A Sempra Energy utility

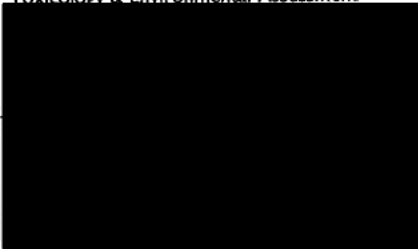
**Edith Moreno**  
Sr. Environmental Policy Advisor  
Energy and Environmental Affairs





**ELENA HOEPPNER, MPH, CHES**  
Research Analyst III

Toxicology & Environmental Assessment



**ECOTEK**  
Environmental Solutions



Environmental Consulting

Software & Data Management

**Natasha M. Meskal, CPP**  
President



**JAMES RONALD C. TALavera**  
ENVIRONMENTAL ENGINEERING ASSOCIATE



OFFICE OF SUSTAINABILITY







**AB 617: Boyle Heights / East LA / West Commerce**  
**Wednesday, November 28, 2018 -- 6:00-8:00pm**

**Resurrection Church**  
**3324 Opal St., CA 90023**

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Joe Gonzalez	Resident				
2	Gileyn B					
3	Terry Cano	Resident				
4	Theodore Higgins	CITY OF LA SANITATION				
5	Bill Magavern	Policy Director	Coalition for Clean Air			
6	David Edwards	Assistant Division Chief	CARB			
7	Tammy Yamasaki	SCE AQ Specialist	SCE			
8	Gordon KACOW					
9						
10						



**AB 617: Boyle Heights / East LA / West Commerce**  
**Wednesday, November 28, 2018 -- 6:00-8:00pm**  
**Resurrection Church**  
**3324 Opal St., CA 90023**

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Olga Solís		TELA TROVA ✓			
2						
3	<del>FERUSA MARGUIZ</del> Scott Greaver	PREP	MECA			
4	Rocio Hernandez	CD14 →				
5	Angela Wilensky					
6						
7						
8						
9						
10						



**AB 617: Boyle Heights / East LA / West Commerce**  
**Wednesday, November 28, 2018 -- 6:00-8:00pm**

**Resurrection Church**  
**3324 Opal St., CA 90023**

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	RYAN ANTONIO		CARB			
2	CARLOS		PEATRO C. S.O			
3	Kristie Hernandez	Active Community Resident	(Filled out App) <del>Wendy</del> ref. Wendy Carrillo			
4	Esperanza Guevara	Rep Jimmy Gomez	Rep. Jimmy Gomez			
5	Sophia Leon	Community Resident Educator	LAUSD			
6						
7						
8						
9						
10						





**AB 617: Boyle Heights / East LA / West Commerce**  
**Wednesday, November 28, 2018 -- 6:00-8:00pm**  
**Resurrection Church**  
**3324 Opal St., CA 90023**

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Jose Lopez					
2	Meredith Cook		elyce			
3	KEEVAN SIFEDY		SETH COACH 731			
4	Karina Simpson		City of LA			
5	Joe Martinez					
6	Martin Gonzalez	Field Rep	Asm. Wendy Carrillo			
7	ASGARCIA					
8	Michael Binn	Policy Researcher	PSR-LA			
9	Alma Rodriguez					
10						



Tammy L. Yamasaki  
Senior Advisor  
Air & Climate Policy  
Regulatory Affairs

**Berenice Nuñez Constant, MPH**  
Vice President, Government Relations

**AltaMed**

SOUTHEAST LOS ANGELES COUNTY



**GATEWAY CITIES**  
COUNCIL OF GOVERNMENTS



**MATT BACA, BSHA, DR, TLO**  
Health Program Analyst III

Toxicology & Environmental Assessment Branch

California Environmental Protection Agency  
**Air Resources Board**

Enforcement Division

Diesel Program Enforcement Branch/Diesel Equipment Enforcement Section

**Martina P. Diaz**  
Manager

California Environmental Protection Agency  
**Air Resources Board**

Mobile Source Control Division  
Carl Moyer Program

**Dinh Quach**  
Air Pollution Specialist

Alessandro Negrete



**Alberto Rivadeneyra Jr., RN, PHN**  
Public Health Nurse/Enfermero de Salud Pública

Toxicology & Environmental Assessment Branch



**W. R. "Bill" La Marr**  
Executive Director  
email: [billlamarr@msn.com](mailto:billlamarr@msn.com)

Cody Rosenfield  
Policy Associate





**Chris Chavez**  
Deputy Policy Director



**Nick Vizenor**  
Air Pollution Specialist  
Community Air Monitoring South  
Monitoring and Laboratory Division



**Liliana Isabel Nuñez**  
Air Pollution Specialist  
State Strategy Section  
Office of Community Air Protection



Department of Public Works  
LA Sanitation



**THEODORE HIGGINS**

Chief Environmental Compliance Inspector I  
FOG Group



**USC** University of  
Southern California

**Wendy Gutschow**  
Program Coordinator  
Division of Environmental Health  
Keck School of Medicine  
University of Southern California






















**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**

Thursday, January 24, 2018 -- 6:00 - 8:00PM







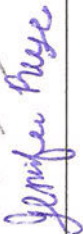
East LA Service Center

133 N. Sunol Drive., Los Angeles, CA 90063

Affiliation	Representative	Alternate	Signature	Signature
Agency, school, university, hospital				
City of Los Angeles - Department of City Planning	Priya Mehendale	Jason Douglas		
City of Commerce	Oralia Rebollo	Michelle Keshishian		
Los Angeles County Department of Public Health	Cristin Mondy	Tiffany Romo		
Los Angeles County Planning Department	<del>Sophia Choi</del> Norman Ornelas Jr.	Sophia Choi		
DTSC				
USC	Wendy Gutschow	Jill Johnston		
AltaMed Health Services	Bernice Nunez Constant			
White Memorial Medical Center	Brian Johnston			
Elected Officials and Neighborhood Councils				
Assemblymember Cristina Garcia - District 58	Evelyn Nuno			
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete			
Office of Los Angeles Mayor Eric Garcetti	Irene Burga	Irene Burga		
First District Supervisor Hilda Solis	Joseph Martinez	Elizabeth Andalon		

Business representative, business organization or labor organization				
BNSF	Trini Jimenez	Marisa Blackshire		
SEIU 721	Maribel Castillon	Griselda Mariscal		
Los Angeles Area Chamber of Commerce	Kendal Asuncion	Olivia Lee		
Boyle Heights Chamber of Commerce	Jennifer Lahoda	Jennifer Lahoda		
Barrio Planners	Frank Villalobos			
Community organization				
East LA Rising	Anna Araujo	Anna Araujo		
Our Lady of Victory Catholic Church	Hector H. Jose Garcia	Luis Reyes		
Mothers of East LA	Teresa Marquez			
Resurrection Church	Father John Moretta			
East Yard Communities for Environmental Justice	Cindy Donis			
COFEM	Anabella Bastida	Anabella Bastida		
Legacy LA	Jacky Rodriguez	Jarelyne Rodriguez		



Active residents (not representing a community organization or a business)				
Active Resident - Boyle Heights	Veronica Polanco			
Active Resident - Boyle Heights	Nadine Diaz			
Active Resident - Boyle Heights	Terry Cano			
Active Resident - Boyle Heights	Joe Gonzalez			
Active Resident - Boyle Heights	Fabiola Rivas			
Active Resident - East Los Angeles	Rafael Yanez			
Active Resident - East Los Angeles	Ruby Perez	Carina Sanchez		
Active Resident - East Los Angeles	mark Lopez	Laura Cortez		
Active Resident - West Commerce	Jennifer Reyes			
Active Resident - West Commerce	Paulina Becerra			
Active Resident - West Commerce	Johncito Peraza			



East Los Angeles Services Center

133 N. Sunol Drive, Los Angeles, CA 90063

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Elio Torrealba	Director, Air Quality	—			
2	Diana Herrer	Adelina				
3	Gdith Moron	Sr. Env. Admin PUBIC	SILVIA			
4	Krystal Ramirez	Resident				
5	MIGUEL AVILA MONJARRAS	Resident				
6	Mavis flow	Resident				
7	KEENAN SHEEDY	PUBLIC	SEIU 721			
8	Martha Jimenez	Public	City Terrace Committee for Environmental & Social Justice			
9			Exide Community Advisory Council			
10						



AB 617: Community Meeting -- Boyle Hts. / East LA / West Commerce -- January 24, 2019 -- 6:00 PM to 8:00 PM  
East Los Angeles Services Center

133 N. Sunol Drive, Los Angeles, CA 90063

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Sander lichtenstein	Ar Pollution Specialist	CARB			
2	Kui Kui	Planner	Dep. Reg. Planning			
3	Ernesto Hidalgo	resident	Neighborhood Council Sustainability Alliance			
4	Aaron Wlosky					
5	Freda Aguil	Director	CITY OF VANUATU			
6	Caroline Chen	Planner	LA County Regional Planner			
7	Cody Rosenfield		CCA			
8	John Lord					
9	Brian Crisp	—	Action			
10						





East Los Angeles Services Center

133 N. Sunol Drive, Los Angeles, CA 90063

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING


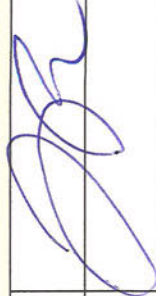




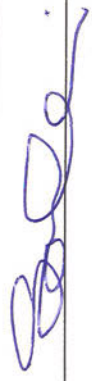
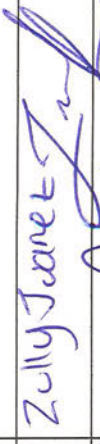







Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento








PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

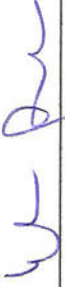






	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Wenling Tu					
2	HARVEY EDER	Ex Dir. PSC	PUBLIC SOLAR POWER coalition			
3	Xiaoxi Liu		CARB			
4	William Roney	APS	CARB			
5	THEO DUFF HIGGINS	CHIEF ECF	LA CITY SANITATION			
6	Hugo VEGA	President	CBE			
7	Ana Góñez	Communications	Our Lady of Victory Church			
8	Jessica Burtis					
9	Chris Chavez	Deputy Policy Director	CCA			
10	Katie Cox		UCI			

**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**  
 Thursday, February 28, 2018 -- 6:00 - 8:00PM  
 Commerce Senior Citizen Center  
 2555 Commerce Way, Commerce, CA 90040

Affiliation	Representative	Signature	Alternate	Signature
Agency, school, university, hospital				
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas	
City of Commerce	Oralia Rebollo		Michelle Keshishian	
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo	
Los Angeles County Planning Department	Norman Orrelas		Soyen Choi	
DTSC				
USC	Jill Johnston		Wendy Gutschow	
AltaMed Health Services	Bernice Nunez Constant		Corina Martinez	
White Memorial Medical Center	Brian Johnston			
Elected Officials and Neighborhood Councils				
Assemblymember Cristina Garcia - District 58	Evelyn Nuno			
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete			
Office of Los Angeles Mayor Eric Garcetti	Irene Burga			
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon	
Assemblymember Miguel Santiago - District 53	David Juarez			

Affiliation	Representative	Signature	Alternate	Signature
Business representative, business organization or labor organization				
BNSF	Trini Jimenez		Marisa Blackshire	
SEIU 721	Maribel Castillon		Griselda Mariscal	
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee	
Boyle Heights Chamber of Commerce	Jennifer Lahoda			
Barrio Planners	Frank Villalobos			
Community organization				
East LA Rising	Anna Araujo			
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes	
Mothers of East LA	Teresa Marquez			
Resurrection Church	Father John Moretta			
East Yard Communities for Environmental Justice	Cindy Donis ✓			
COFEM	Anabella Bastida			
Legacy LA	Jacky Rodriguez			



Affiliation	Representative	Signature	Alternate	Signature
Active residents (not representing a community organization or a business)				
Active Resident - Boyle Heights	Veronica Polanco			
Active Resident - Boyle Heights	Nadine Diaz			
Active Resident - Boyle Heights	Terry Cano			
Active Resident - Boyle Heights	Joe Gonzalez			
Active Resident - Boyle Heights	Fabiola Rivas			
Active Resident - East Los Angeles	Rafael Yanez			
Active Resident - East Los Angeles	Ruby Perez		Carina Sanchez	
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez	
Active Resident - West Commerce	Jennifer Reyes			
Active Resident - West Commerce	Paulina Becerra			
Active Resident - West Commerce	Johncito Peraza			



Commerce Senior Citizen Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Alfonso Ruiz	Field Representative	Assemblymember Wendy Carrillo			
2	Rosa Zambrano		"			
3	José E. Ramirez					
4	KEENAN SHEEDY	member	SEIU Local 721			
5	Augustine Poma	Pres. Logistics				
6	John SERNOW	COORDINATOR	COMITE PRO UNO			
7						
8						
9						
10						





Commerce Senior Citizen Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Armando Hegdani	Analyst Management	City of Irwindale			
2	NICK VIZNER	APS	ARB			
3	<del>Esther Zavala</del>					
4	Esther Zavala	Parks & Rec Comm	Commerce			
5	Womi Cheung	Special Proj Mgr	PACE			
6	Administradora		Commerce			
7	Kim Kim		Dep			
8	Galim Morano	Sr. Enviro Policy Advisor	Socal Gas			
9	Colby Norrington	Affairs	Socal Gas			
10	F. P. P. P.		ARB			



AB 617: Community Meeting -- Boyle Hts. / East LA / West Commerce -- February 28, 2019 -- 6:00 PM to 8:00 PM

Commerce Senior Citizen Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mr. Caff					
2	JESSE N. MARONA	EXECUTIVE DIRECTOR	COALITION FOR A SAFE ENVIRONMENT			
3	Janet Scully	Prog. mgr	LA County P.H.			
4	Leonard Mendez	Council member City of Commerce	City of Commerce			
5	Scott Andrews	Director	ACUMA			
6	Emma Gonzalez					
7	Adolfo Gonzalez					
8	Marbella Flores					
9	FELIPE VILLASENOR					
10	RICHARD HERNANDEZ	RESIDENT				

present



**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**  
 Thursday, March 28, 2018 -- 6:00 - 8:00PM  
 Resurrection Church  
 3324 Opal St., Los Angeles, CA 92410

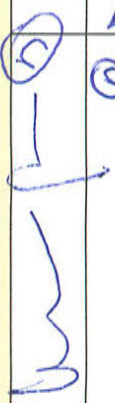

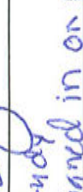

Affiliation	Representative	Signature	Alternate	Signature
Agency, school, university, hospital				
City of Los Angeles - Department of City Planning	Priya Mehendale	<i>P Mehendale</i>	Jason Douglas	
City of Commerce	Oralia Rebollo		Michelle Keshishian	
Los Angeles County Department of Public Health	Cristin Mondy	<i>[Signature]</i>	Tiffany Romo	<i>[Signature]</i>
Los Angeles County Planning Department	Norman Orreilas	<i>[Signature]</i>	Soyen Choi	
DTSC				
USC	Jill Johnston	<i>[Signature]</i>	Wendy Gutschow	<i>[Signature]</i>
AltaMed Health Services	Bernice Nunez Constant		Cofina Martinez CLK	
White Memorial Medical Center	Brian Johnston	<i>[Signature]</i>		
Elected Officials and Neighborhood Councils				
Assemblymember Cristina Garcia - District 58	Evelyn Nuno	<i>[Signature]</i>		
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete	<i>[Signature]</i>		
Office of Los Angeles Mayor Eric Garcetti	Irene Burga			
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon	<i>[Signature]</i>
Assemblymember Miguel Santiago - District 53	David Juarez		Luis Melchor	<i>[Signature]</i> signed in on pg 2

EXIDE COMMUNITY ADVISORY COUNCIL  
 Martha Jimenez-Martha Jimenez

Affiliation	Representative	Signature	Alternate	Signature
Business representative, business organization or labor organization				
BNSF	Trini Jimenez		Marisa Blackshire	
SEIU 721	Maribel Castillon		Griselda Mariscal	
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee	
Boyle Heights Chamber of Commerce	Jennifer Lahoda			
Barrio Planners	Frank Villalobos			
Community organization				
East LA Rising	Anna Araujo			
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes	
Mothers of East LA	Teresa Marquez			
Resurrection Church	Father John Moretta			
East Yard Communities for Environmental Justice	Cindy Donis			
COFEM	Anabella Bastida			
Legacy LA	Jacky Rodriguez			

Luis Melchor Pro Mella  
①



Affiliation	Representative	Signature	Alternate	Signature
Active residents (not representing a community organization or a business)				
Active Resident - Boyle Heights	Veronica Polanco			
Active Resident - Boyle Heights	Nadine Diaz	②	Tarengo ① Diana <del>Diaz</del> Tarengo	
Active Resident - Boyle Heights	Terry Cano			
Active Resident - Boyle Heights	Joe Gonzalez			
Active Resident - Boyle Heights	Fabiola Rivas			
Active Resident - East Los Angeles	Rafael Yanez	 10		
Active Resident - East Los Angeles	Ruby Perez	 signed in on public sheet	Carina Sanchez	 7
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez	
Active Resident - West Commerce	Jennifer Reyes			
Active Resident - West Commerce	Paulina Becerra			
Active Resident - West Commerce	Johncito Peraza			



Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Crystal Reul-Chen	Dr.	CARB			
2	Carina Rodriguez	Ms.	COPEN			
3	Nick Vizeror	Dr.	CARB			
4	Sam Ribicoff		C.A. Tulo			
5	Dave Saldivar		CARB			
6	Joe Loft					
7	Austin M.					
8	Liliana Nunez		CARB			
9	Carina					
10	KEENAN SHEED		SEIU LOCAL 721			



Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone	Address/City/Zip
1	HARVEY EGOR	Dir - FO-PSRC	PUBLIC SCAR POWER CONSTRUCTION S.W. - 10118 SECTION CLUB			
2	Esther Mares		CD14			
3	Denise Campos	Public Affairs Mgr.	SoCal Gas			
4	Rigoberto Jiménez		residente de city terrace			
5	FRANCISCO		CARB			
6	Jimenez Martha Sofia	Legal Aid Attorney LA Advocate	LAFLA			
7	Vernon Hughes	OCAP Branch chief	CARB			
8	Andre Freeman	Manager Freight policy	CARB			
9	Alejo Bronzoner					
10	Toni Griffin	Sec/Transaction	MEVA			





Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento









PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS



POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES


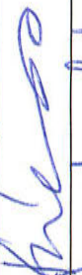





	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Janet Scully	Program mgr	LAC Public Health Dep			
2	Stephanie Cardena	Planner	Gateway Cities COG			
3	Marbella Florsy					
4	Felipe Vukobrat					
5	JOSEPH NORIEGA	Coach at Resurrection				
6	Rudy Perez					
7						
8						
9						
10						



**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**  
 Thursday, April 25, 2019 -- 6:00 - 8:15 PM  
 East Los Angeles Service Center  
 133 N. Sunol Drive, Los Angeles, CA 90063

Affiliation	Representative	Signature	Alternate	Signature
Agency, school, university, hospital				
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas	
City of Commerce	Oralia Rebollo		Michelle Keshishian	
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo	
Los Angeles County Planning Department	Norman Ornelas		Soyen Choi	
USC	Jill Johnston <sup>*Bio</sup>		Wendy Gutschow	
AltaMed Health Services	Corina Martinez		Bernice Nunez Constant	
White Memorial Medical Center	Brian Johnston			
Elected Officials and Neighborhood Councils				
Assemblymember Cristina Garcia - District 58	Evelyn Nuno			
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete			
Office of Los Angeles Mayor Eric Garcetti	Irene Burga			
First District Supervisor Hilda Solis	Joseph Martinez		<del>Daisy Martinez</del> Elizabeth Andalon	
Assemblymember Miguel Santiago - District 53	David Juarez		Luis Melchor	

Affiliation	Representative	Signature	Alternate	Signature
Active residents (not representing a community organization or a business)				
Active Resident - Boyle Heights	Veronica Polanco			
Active Resident - Boyle Heights	Nadine Diaz		Diana Tarango	
Active Resident - Boyle Heights	Terry Cano		Joe Gonzalez	
Active Resident - Boyle Heights	Fabiola Rivas			
Active Resident - Boyle Heights				
Active Resident - East Los Angeles	Rafael Yanez			
Active Resident - East Los Angeles	Rudy Perez		Carina Sanchez	
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez	
Active Resident - East Los Angeles	Martha Ofelia Jimenz			
Active Resident - West Commerce	Jennifer Reyes			
Active Resident - West Commerce	Paulina Becerra			
Active Resident - West Commerce	Johncito Peraza			

Affiliation	Representative	Signature	Alternate	Signature
Business representative, business organization or labor organization				
BNSF	Trini Jimenez		Marisa Blackshire	
SEIU 721	Maribel Castillon		Griselda Mariscal	
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee	
Boyle Heights Chamber of Commerce	Jennifer Lahoda			
Community organization				
East LA Rising	Anna Araujo			
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes	
Mothers of East LA	Teresa Marquez			
Resurrection Church	Father John Moretta			
East Yard Communities for Environmental Justice	Cindy Donis			
COFEM	Anabella Bastida			
Legacy LA	Jacky Rodriguez			





East Los Angeles Service Center

133 N. Sunol Dr., Los Angeles, CA 90063

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	David Salcido	ARS1	CARB			
2	CRYSTAL CHEV		CARB			
3	Vernon Hughes		CARB			
4	Richard Byrd		CARB			
5	NICK VIZERR	APS	CARB			
6	Eileen selleck					
7	Chor Lant		CARB			
8	Wiliana Nung		CARB			
9	JOEY AKJA	EPS	Dept of Energy & ENVIRONMENT			
10	Alyssa Beltran	env. sci.	LADPH.			



East Los Angeles Service Center

133 N. Sunol Dr., Los Angeles, CA 90063

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

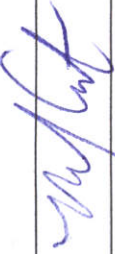


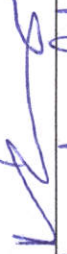








Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

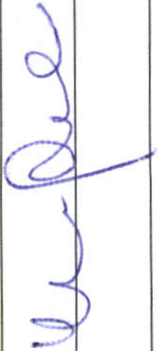




POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Kelly Willmott		Amvac			
2	Coyotl Villa					
3	gitvartl					
4	Mike Lewis		CIHQC			
5	Stephanie Cadena		Gateway Cities COG			
6						
7						
8						
9						
10						

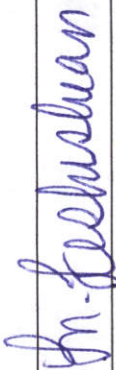

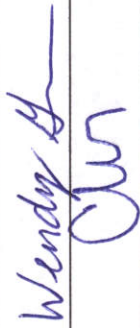

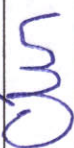



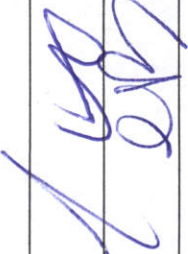

Chris Chavez  
Deputy Policy Director

Affiliation	Representative	Signature	Alternate	Signature
Business representative, business organization or labor organization				
BNSF	Trini Jimenez		Marisa Blackshire	
SEIU 721	Maribel Castillon		Griselda Mariscal	
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee	
Boyle Heights Chamber of Commerce	Jennifer Lahoda			
Community organization				
East LA Rising	Anna Araujo			
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes	
Mothers of East LA	Teresa Marquez			
Resurrection Church	Father John Moretta			
East Yard Communities for Environmental Justice	Cindy Donis			
COFEM	Anabella Bastida			
Legacy LA	Jacky Rodriguez			



Affiliation	Representative	Signature	Alternate	Signature
Active residents (not representing a community organization or a business)				
Active Resident - Boyle Heights	Veronica Polanco			
Active Resident - Boyle Heights	Nadine Diaz		Diana Tarango	
Active Resident - Boyle Heights	Terry Cano			
Active Resident - Boyle Heights	Joe Gonzalez			
Active Resident - Boyle Heights	Fabiola Rivas			
Active Resident - East Los Angeles	Rafael Yanez			
Active Resident - East Los Angeles	Rudy Perez		Carina Sanchez	
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez	
Active Resident - East Los Angeles	Martha Jiménez			
Active Resident - West Commerce	Jennifer Reyes			
Active Resident - West Commerce	Paulina Becerra			
Active Resident - West Commerce	Johncito Peraza			

**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**  
 Thursday, May 23, 2019 -- 6:00 - 8:30 PM  
 Resurrection Church  
 3324 Opal St., Los Angeles, CA 90023

Affiliation	Representative	Signature	Alternate	Signature
Agency, school, university, hospital				
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas	
City of Commerce	Oralia Rebollo		Michelle Keshishian	
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo	
Los Angeles County Planning Department	Norman Ornelas		Soyen Choi	
USC	Wendy Gutschow		Jill Johnston	
AltaMed Health Services	Corina Martinez		Bernice Nunez Constant	
White Memorial Medical Center	Brian Johnston			
Elected Officials and Neighborhood Councils				
Assemblymember Miguel Santiago - District 53	David Juarez		Luis Melchor	
Assemblymember Cristina Garcia - District 58	Evelyn Nuno			
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete			
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon	
Office of Los Angeles Mayor Eric Garcetti	Irene Burga			





Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Jue Gonzalez	Rosendo	By the way			
2						
3						
4						
5						
6						
7						
8						
9						
10						



Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Luis Villa		COFEM			
2	Edmundo		SUOLGA S			
3	HARVEY EDER	Dirij	PSPC & SIGMA PUBLIC SCHOOL POWER CATALIN			
4	Jorgel Chavez	Asm. Intern Gracia				
5	DORA GOMEZ	HOME OWNER				
6	Sylvia Nuñez	HOME OWNER				
7	Chris Chavez	CCA	Deputy Policy Director			
8	Mark Abramowitz	Presided	Community Environmental Service			
9						
10						



Resurrection Church

3324 Opal St., Los Angeles, CA 90023

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Warren Anderson	Pres I	CARB			
2	Jeremy Herbert		CARB			
3	Samar Hichtensten		CARB			
4	Vernon Hughes		CARB			
5	Leoda Volantevala		COFEM			
6	Nick Vignar		CARB			
7	Norman Oakes Jr.		DRP			
8	Mimi Cheung					
9	Aaron Wifordy					
10	Sara Foresteri		CARB			





East LA Service Center - WDACS

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Francisco	interpreter				
2 Juliana	Park & Rec S				
3 Jeremy Lambert		CARD			
4 Lila Lopez	Community				
5 Aaron Wilcasby					
6 Jose S.	Govt	CARB			
7 Crystal Rene-Carter	Dr.	CARB			
8 Vernon Hughes	CARB	CARB			
9					
10 Sharon L. Rose	resident	Commerce			
Laura Perez	Resident				



East LA Service Center - WDACS

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Dave Saldivar	CARB	CARB			
2	Val Martinez	Facid.				
3	Daniel C.					
4	Sandra Meza					
5	Nick Vizenor	Calb	APS			
6	Arturo Flores	Resident	—			
7	MATTI BAGA	LA Co DPH				
8	Cruz A. Simmons	CARB	CARB			
9	Wiliana Nunez	CARB	CARB			
10	Martina Diaz	CARB	CARB			



East LA Service Center - WDACS

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Niki Oluk		calstart			
2	Yvonne Sandoval	Commerce Resident				
3	Marbella Flores	commerce resident				
4						
5						
6						
7						
8						
9						
10						



**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**

Thursday, June 27, 2019 -- 6:00 - 8:30 PM

Resurrection Church





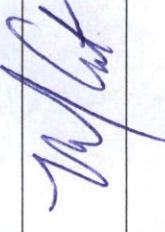
3324 Opal St., Los Angeles, CA 90023

Affiliation	Representative	Signature	Alternate	Signature	Category
Active Resident - Boyle Heights	Fabiola Rivas				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Joe Gonzalez				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Nadine Diaz		Diana Tarango		Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Terry Cano				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Veronica Polanco				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez		Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Martha Jimenez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Rafael Yanez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	<i>Rafael Yanez</i>	<i>Rafael Yanez</i>	Carina Sanchez	<i>Carina Sanchez</i>	Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Jennifer Reyes				Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Johncito Peraza	<i>Johncito Peraza</i>			Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Paulina Becerra				Active residents (not representing a community organization or a business)



Affiliation	Representative	Signature	Alternate	Signature	Category
AltaMed Health Services	Corina Martinez		Bernice Nunez Constant		Agency, school, university, hospital
Assemblymember Cristina Garcia - District 58	Evelyn Nuno				Elected Officials and Neighborhood Councils
Assemblymember Miguel Santiago - District 53	David Juarez		Luis Melchor		Elected Officials and Neighborhood Councils
BNSF	Trini Jimenez		Marisa Blackshire		Business representative, business organization or labor organization
Boyle Heights Chamber of Commerce	Jennifer Lahoda				Business representative, business organization or labor organization
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete				Elected Officials and Neighborhood Councils
City of Commerce	Oralia Rebollo		Michelle Keshishian		Agency, school, university, hospital
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas		Agency, school, university, hospital
COFEM	Anabella Bastida		Leoda Valenzuela		Community organization
East LA Rising	Anna Araujo				Community organization
East Yard Communities for Environmental Justice	Cindy Donis				Community organization
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon		Elected Officials and Neighborhood Councils
Legacy LA	Jacky Rodriguez				Community organization



Affiliation	Representative	Signature	Alternate	Signature	Category
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee		Business representative, business organization or labor organization
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo		Agency, school, university, hospital
Los Angeles County Planning Department	Norman Ornelas		Soyen Choi		Agency, school, university, hospital
Mothers of East LA	Teresa Marquez				Community organization
Office of Los Angeles Mayor Eric Garcetti	Irene Burga				Elected Officials and Neighborhood Councils
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes		Community organization
Resurrection Church	Father John Moretta				Community organization
SEIU 721	Maribel Castillon		Griselda Mariscal		Business representative, business organization or labor organization
USC	Wendy Gutschow		Jill Johnston		Agency, school, university, hospital
White Memorial Medical Center	Brian Johnston				Agency, school, university, hospital



\*STAFF\*

AB 617: Community Meeting -- Boyle Heights, East LA, West Commerce -- June 27, 2019 -- 6:00 PM to 8:30 PM  
East LA Service Center - WDACS

	Name	Division	Title	Phone Extension
1	Arlene Farol	LPAM		
2	Pedro Riqueras	PRDAS		
3	Ricardo A. Rivera	LPAM		
4	Jason Aspin	CEE		
5	Jokay Ghosh	PRDAS		
6	Emily B-Martinez	PRDAS		
7	Jack Chua	LPAM		
8	Trangelina Barrera	LPAM		
9	Devin Sloan	LPAM		
10	Daniel Garcia	PRDAS		





\*STAFF\*

AB 617: Community Meeting -- Boyle Heights, East LA, West Commerce -- June 27, 2019 -- 6:00 PM to 8:30 PM  
East LA Service Center - WDACS

	Name	Division	Title	Phone Extension
1	NICOLE SILVA	PRDAS		
2	Patrice Kwon	THO		
3	Margaret Isied	PRDAS		
4	Brian Roche	WM		
5	Derrick Alcantara	LP Am		
6	Wayne Nastri	EO		
7	Nicholas Sanchez	GO		
8	Victor Yip	C+E		
9	Pavan Rami	C+E		
10	Pargam Pakbani	STA		



\*STAFF\*

AB 617: Community Meeting -- Boyle Heights, East LA, West Commerce -- June 27, 2019 -- 6:00 PM to 8:30 PM  
East LA Service Center - WDACS

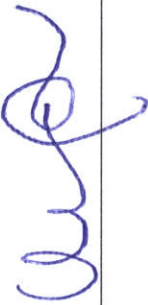
Name	Division	Title	Phone Extension
1 Sueat Rees	Planning		
2 Ian MacMillan	"		
3 Jacqueline Dean	Legal		
4			
5			
6			
7			
8			
9			
10			







**AB 617: Boyle Heights/East LA West Commerce - Community Steering Committee**  
 Thursday, July 25, 2019 -- 6:00 - 8:30 PM  
 East Los Angeles Service Center  
 133 N. Sunol Drive, Los Angeles, CA 90063

Affiliation	Representative	Signature	Alternate	Signature	Category
Active Resident - Boyle Heights	Fabiola Rivas				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Joe Gonzalez				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Nadine Diaz		Diana Tarango		Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Terry Cano				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Veronica Polanco				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez		Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Martha Jimenez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Rafael Yanez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Rudy Perez		Carina Sanchez		Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Jennifer Reyes				Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Johncito Peraza				Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Paulina Becerra				Active residents (not representing a community organization or a business)



Affiliation	Representative	Signature	Alternate	Signature	Category
AltaMed Health Services	Corina Martinez		Bernice Nunez Constant		Agency, school, university, hospital
Assemblymember Cristina Garcia - District 58	Evelyn Nuno				Elected Officials and Neighborhood Councils
Assemblymember Miguel Santiago - District 53	David Juarez		Luis Melchor		Elected Officials and Neighborhood Councils
BNSF	Trini Jimenez		Marisa Blackshire		Business representative, business organization or labor organization
Boyle Heights Chamber of Commerce	Jennifer Lahoda				Business representative, business organization or labor organization
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete				Elected Officials and Neighborhood Councils
City of Commerce	Oralia Rebollo		Michelle Keshishian		Agency, school, university, hospital
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas		Agency, school, university, hospital
COFEM	Anabella Bastida		Leoda Valenzuela		Community organization
East LA Rising	Anna Araujo				Community organization
East Yard Communities for Environmental Justice	Cindy Donis				Community organization
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon		Elected Officials and Neighborhood Councils
Legacy LA	Jacky Rodriguez				Community organization

CVPM C

Baran  
JATHSTSD



Affiliation	Representative	Signature	Alternate	Signature	Category
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee		Business representative, business organization or labor organization
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo		Agency, school, university, hospital
Los Angeles County Planning Department	Norman Ornelas		Soyen Choi		Agency, school, university, hospital
Mothers of East LA	Teresa Marquez				Community organization
Office of Los Angeles Mayor Eric Garcetti	Irene Burga				Elected Officials and Neighborhood Councils
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes		Community organization
Resurrection Church	Father John Moretta				Community organization
SEIU 721	Maribel Castillon		Griselda Mariscal		Business representative, business organization or labor organization
USC	Wendy Gutschow		Jill Johnston		Agency, school, university, hospital
White Memorial Medical Center	Brian Johnston				Agency, school, university, hospital



**Chris Chavez**  
Deputy Policy Director



[ccair.org](http://ccair.org)



**Warren Hawkins, Manager**  
Community Outreach Enforcement Section  
Enforcement Division



[www.arb.ca.gov](http://www.arb.ca.gov)  
8340 Ferguson Ave.  
Sacramento, CA 95828  
@AirResources



\*STAFF\*

CERP Workshop - BHELAWC - July 25, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- BHELAWC -- July 25, 2019 -- 6:00 PM to 8:30 PM  
East LA Service Center - WDACS

	Name	Division	Title	Phone Extension
1	Margaret Isied	PRDAS		
2	Arlene Farol	LTAM		
3	AUDREY POLIGNI	<del>PRDAS</del>		
4	Dan Garcia	PRDAS		
5	NICOLE SILVA	PROAS		
6	Mohammed Sawlat	AMT		
7	Jill Whynot	EO		
8	Brian Roche	IM		
9	Lo Kay Gnoor	PRDAS		
10	Pagum Pakbun	AMT		



\*STAFF\*

CERP Workshop - BHELAWC - July 25, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- BHELAWC -- July 25, 2019 -- 6:00 PM to 8:30 PM  
East LA Service Center - WDACS

	Name	Division	Title	Phone Extension
1	Pedro Piqueras	PDAS		
2	Emily Banger-Martinez	PRDS		
3	Stacy Garcia	LPAM		
4	Jack Chin	LPAM		
5	Ryan Stromer	LPAM		
6	Gina Triviso	LPAM		
7	Favaz Ahangar	STA / ARS17		
8	Barbara Bard	GCO		
9	Jason Law	MMA		
10	David Wong	LPAM		





**\*STAFF\***

CERP Workshop - BHELAWC - July 25, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- BHELAWC -- July 25, 2019 -- 6:00 PM to 8:30 PM

East LA Service Center - WDACS

	Name	Division	Title	Phone Extension
1	Ricardo D. Rivera	LPA M		
2	Sarah Rees	PRDAS		
3	Derrick Gray	C&E		
4				
5	Victoria Yip	OCE		
	Alicia Rodriguez	\$LPA M		
6				
	Ian MacMillan	PRDAS		
7				
8				
9				
10				



Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	CRYSTAL REIN-CHEN	Dr.	CARB			
2	Robert Nguyen	Grad Student	UC Davis			
3	Brian Atencio		CARB			
4	Fauza Vivasencia					
5	MELISSA PLAMONDON	ENV. AFFAIRS OFFICER	CITY OF LA			
6	Theresa Lara		SM			
7	Marbella Flores		commerce resident			
8						
9	Moses Hoek					
10						



AB 617: Community Meeting -- Boyle Hts. / East LA / West Commerce -- August 22, 2019 -- 6:00 PM to 8:30 PM  
Commerce Senior Center

2555 Commerce Way, Commerce, CA 90040

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Robert Fair					
2	Harvey Edgar	Ex Dir FEDORA	PUBLIC SCLAP, POWER CENTER			
3	Esther Zavala					
4	JAMES SHAMUEL		CT			
5	NICK VIZCARRA	ABS	CARB			
6	Aaron Wilkerson					
7	Fernando Delgado	Field Deputy	LA County SDH			
8	Veronica Lopez	AEO	CARB			
9						
10						



August 22, 2019

**AB 617: Boyle Heights/East LA/West Commerce - Community Steering Committee**

Thursday, July 25, 2019 -- 6:00 - 8:30 PM

East Los Angeles Service Center

133 N. Sunol Drive, Los Angeles, CA 90063

Commerce Senior Center  
2555 Commerce Way, Commerce

Affiliation	Representative	Signature	Alternate	Signature	Category
Active Resident - Boyle Heights	Fabiola Rivas				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Joe Gonzalez				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Nadine Diaz		Diana Tarango		Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Terry Cano				Active residents (not representing a community organization or a business)
Active Resident - Boyle Heights	Veronica Polanco				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	mark! Lopez		Laura Cortez		Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Martha Jimenez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Rafael Yanez				Active residents (not representing a community organization or a business)
Active Resident - East Los Angeles	Rudy Perez		Carina Sanchez		Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Jennifer Reyes				Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Johncito Peraza				Active residents (not representing a community organization or a business)
Active Resident - West Commerce	Paulina Becerra				Active residents (not representing a community organization or a business)



Affiliation	Representative	Signature	Alternate	Signature	Category
AltaMed Health Services	Corina Martinez		Bernice Nunez Constant		Agency, school, university, hospital
Assemblymember Cristina Garcia - District 58	Evelyn Nuno				Elected Officials and Neighborhood Councils
Assemblymember Miguel Santiago - District 53	Jorge Adame		Luis Melchor		Elected Officials and Neighborhood Councils
BNSF	Marisa Blackshire		LaDonna DiCamillo		Business representative, business organization or labor organization
Boyle Heights Chamber of Commerce	Jennifer Lahoda				Business representative, business organization or labor organization
Boyle Heights Neighborhood Council	Hector-Alessandro Negrete				Elected Officials and Neighborhood Councils
City of Commerce	Oralia Rebollo		Michelle Keshishian		Agency, school, university, hospital
City of Los Angeles - Department of City Planning	Priya Mehendale		Jason Douglas		Agency, school, university, hospital
COFEM	Anabella Bastida		Leoda Valenzuela		Community organization
East LA Rising	Anna Araujo				Community organization
East Yard Communities for Environmental Justice	Cindy Donis				Community organization
First District Supervisor Hilda Solis	Joseph Martinez		Elizabeth Andalon		Elected Officials and Neighborhood Councils
Legacy LA	Jacky Rodriguez				Community organization



Affiliation	Representative	Signature	Alternate	Signature	Category
Los Angeles Area Chamber of Commerce	Kendal Asuncion		Olivia Lee		Business representative, business organization or labor organization
Los Angeles County Department of Public Health	Cristin Mondy		Tiffany Romo		Agency, school, university, hospital
Los Angeles County Planning Department	Norman Ornelas		Soyen Choi		Agency, school, university, hospital
Mothers of East LA	Teresa Marquez				Community organization
Office of Los Angeles Mayor Eric Garcetti	Irene Burga				Elected Officials and Neighborhood Councils
Our Lady of Victory Catholic Church	H. Jose Garcia		Luis Reyes		Community organization
Resurrection Church	Father John Moretta				Community organization
SEIU 721	Maribel Castillon		Griselda Mariscal		Business representative, business organization or labor organization
USC	Wendy Gutschow		Jill Johnston		Agency, school, university, hospital
White Memorial Medical Center	Brian Johnston				Agency, school, university, hospital



**Liliana Isabel Nuñez**

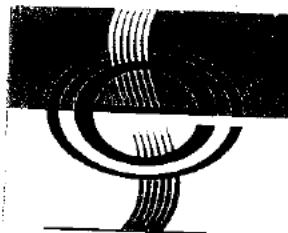
Air Pollution Specialist  
State Strategy Section  
Office of Community Air Protection

[www.arb.ca.gov](http://www.arb.ca.gov)  
9480 Telstar Avenue #4  
El Monte, CA 91731  
@AirResources

**COALITION FOR  
CLEAN AIR**

Chris Chavez  
Deputy Policy Director

[ccair.org](http://ccair.org)



**community  
environmental  
services**

mark abramowitz  
president



**Elio Torrealba**  
Director - Air Quality

**GOT SCRAP?**  
[www.sarecycling.com](http://www.sarecycling.com)



\*STAFF\*

AB 617: CSC Meeting -- BHELAWC -- August 22, 2019 -- 6:00 PM to 8:30 PM  
Commerce Senior Center

	Name	Division	Title	Phone Extension
1	RICARDO A. RIVERA	LPAM		
2	Nicholas Sanchez	legl		
3	Gina Triviso	LPAM		
4	JACK OFFIN	LPAM		
5	SASON LOW	MAD		
6	DANIEL WONG	LPAM		
7	ARLENE FAROL	"		
8	RYAN STROMAR	"		
9	EVANGELINA BARBERA	"		
10	Margaret Isied	PPDAS		





\*STAFF\*

AB 617: CSC Meeting -- BHELAWC -- August 22, 2019 -- 6:00 PM to 8:30 PM  
Commerce Senior Center

	Name	Division	Title	Phone Extension
1	Nish Krishnamurthy	PRDAS		
2	Estela Moll	Spanish Interpreter		
3	WALTER SHEN	SCAQMD		
4	Jo Kay Gnoeth	PRDAS		
5	Dan Garcia	PRDAS		
6	Francisco Porras	Interpreter		
7	Peggy Takbin	STA		
8	Derrick Dingo	Compliance & Enforcement		
9	Anita Rodriguez	UPAM		
10	Wayne Nastri	EO		



\*STAFF\*

AB 617: CSC Meeting -- BHELAWC -- August 22, 2019 -- 6:00 PM to 8:30 PM

Commerce Senior Center

	Name	Division	Title	Phone Extension
1	Derrick Alatorre	LPAM		
2	Sina Hasheminasab	STA		
3	Scrah Grees	PRD4S		
4	Terrence Mann	OCE		
5	Josith Mitchell	GBM		
6	Artene Farol	LPAM		
7				
8				
9				
10				

## Appendix 2

The East Los Angeles, Boyle Heights, and West Commerce (ELABHWC) community Outreach Summary includes an overview of the public engagement efforts and the Community Steering Committee (CSC) process that has been integral in the development of the CERP. This Appendix contains additional information on committee documents, meeting materials, and additional community engagement. Many of these materials are posted on this community's webpage:

<http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/east-la>

### CHARTER

A Charter was developed by South Coast AQMD staff with CSC member input to describe committee objectives, roles and responsibilities, meeting frequency, meeting dates, times, and locations, etc. The Charter is available here:

English: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/charter-english.pdf?sfvrsn=8>

Spanish: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/charter-spanish.pdf?sfvrsn=8>

### AGENDAS

All meeting agendas are posted on the community webpage. Copies of the agendas are also attached.

### SIGN-IN SHEETS

At every CSC meeting, members of the CSC and public were requested to sign in. Copies of the sign-in sheets are attached.

### MEETING DATES, TIMES, LOCATION, AND MEETING MATERIALS

Recent and upcoming activities regarding the ELABHWC community, including interactive maps, the discussion draft of the CERP and CAMP, all meeting invitations, presentations, materials and summary notes can be found on community webpage.

Specific links for meeting flyers, presentations, and meeting summaries are listed below:

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation Links	Presentation Links	Meeting Summary/Notes Links
<b>Public Workshop Community Kick-Off Meeting</b>	October 16, 2018 <b>Commerce Senior Center, Commerce</b>	60			
<b>1</b>	November 28, 2018 <b>Resurrection Church, Los Angeles</b>	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-nov-28-2018.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-nov-28-2018.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-nov28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-nov28-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-spanish-nov-28-2018.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-spanish-nov-28-2018.pdf?sfvrsn=9</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-boyle-nov28-2018.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-boyle-nov28-2018.pdf?sfvrsn=8</a>
<b>2</b>	January 24, 2019 <b>East LA Service Center – WDACS, Los Angeles</b> Co-host: Anna Araujo	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-ela-wc-steering-committee-meeting-flyer-jan-24-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-ela-wc-steering-committee-meeting-flyer-jan-24-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-jan-24-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-jan-24-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-jan-24-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-jan-24-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/summary-jan24-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/summary-jan24-2019.pdf?sfvrsn=8</a>

## Appendix 2-2



				<a href="#">committees/east-la/meeting-presentation--jan-24-2019--spanish.pdf?sfvrsn=8</a>	
3	February 28, 2019 <b>Commerce Senior Center, Commerce</b> Co-host: Johncito Peraza	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-meeting-flyer-feb-28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-meeting-flyer-feb-28-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-feb28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-feb28-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-spanish-feb28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-spanish-feb28-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-feb28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-feb28-2019.pdf?sfvrsn=8</a>
4	March 28, 2019 <b>Resurrection Church, Los Angeles</b>	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-mar28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-mar28-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation--march-28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation--march-28-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation--march-28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation--march-28-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/summary-mar28-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/summary-mar28-2019.pdf?sfvrsn=8</a>

Appendix 2-3

				<a href="#">la/meeting-presentation--march-28-2019---spanish.pdf?sfvrsn=8</a>	
5	April 25, 2019 <b>East LA Service Center – WDACS, Los Angeles</b> Co-host: Anna Araujo	40	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-ela-wc-steering-committee-meeting-flyer---april-25-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/bh-ela-wc-steering-committee-meeting-flyer---april-25-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-apr25-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-apr25-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentaci%C3%B3n-apr25-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentaci%C3%B3n-apr25-2019.pdf?sfvrsn=14</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-april25-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-summary-april25-2019.pdf?sfvrsn=9</a>
6	May 23, 2019 <b>Resurrection Church, Los Angeles</b>	40	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-may23-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-may23-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-may26-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-may26-2019.pdf?sfvrsn=14</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-may23-2019-spanish.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-may23-2019-spanish.pdf?sfvrsn=14</a>	
7	June 2019	40	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-june-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-flyer-june-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-june-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/meeting-presentation-june-2019.pdf?sfvrsn=14</a>	

Appendix 2-4

	<b>Commerce Senior Center, Commerce</b> Co-host: Johncito Peraza		<a href="#">134/steering-committees/east-la/flyer-june27-2019.pdf?sfvrsn=8</a>	<a href="#">fault-source/ab-617-ab-134/steering-committees/east-la/presentation-june27-2019.pdf?sfvrsn=8</a> Span <a href="#">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-june27-2019-span.pdf?sfvrsn=12</a> ish:	
8	July 25, 2019 <b>East LA Service Center – WDACS, Los Angeles</b>	50	<a href="#">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/flyer-july25-2019.pdf?sfvrsn=15</a>	English: <a href="#">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-july25-2019-english.pdf?sfvrsn=14</a> Spanish: <a href="#">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-july25-2019-spanish.pdf?sfvrsn=14</a>	tbd
9	August 22, 2019 <b>Commerce Senior Center, Commerce</b>	65	<a href="#">http://www.aqmd.gov/docs/default-source/ab-617-</a>	English: <a href="#">http://www.aqmd.gov/docs/default-</a>	tbd

Appendix 2-5

			<a href="#">ab-134/steering-committees/east-la/meeting-flyer-aug22-2019.pdf?sfvrsn=8</a>	<a href="#">source/ab-617-ab-134/steering-committees/east-la/presentation-aug22-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-aug22-2019-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/presentation-aug22-2019-span.pdf?sfvrsn=8</a>	
<b>10</b>	September 26, 2019 <b>Resurrection Church, Los Angeles</b>		tbd	tbd	tbd
<b>11</b>	October 24, 2019 <b>East LA Service Center – WDACS, Los Angeles</b>		tbd	tbd	tbd

#### INTERPRETERS

The following California Certified Interpreters were contracted to provide services at the meetings.

- Gloria Carrallo
- Patricia Chavez
- Monica Desiderio
- Astrid Estrada
- Martha Falencik
- Alejandro Franco
- Carmen Garza
- Consuelo V. Gonzalez
- Cecilia Ibarra

- Estela Moll
- Yolanda Ramirez
- Madeline Rios

#### ADDITIONAL OUTREACH

South Coast AQMD staff had more than 35 in-person or phone meetings with CSC members as well as members of the community. The list below provides some information about meetings that staff have had, as of the date of this document. Additional phone calls and conversations with CSC members and members of the committee also took place, but not all these conversations are documented here.

Date	Meeting
12/21/18	Call with Jason Patrick Douglas (City of LA Planning Department)
2/10/19	In-person meeting with Evelyn Nuno (Assemblymember Cristina Garcia)
2/14/19	Call with Joe Gonzalez (Active Resident – Boyle Heights)
2/20/19	Call with Johncito Active Resident – City of Commerce)
4/11/19	Conference Call with Los Angeles Department of Regional Planning
3/12/19	Call with Jackie Rodriguez (Legacy LA)
3/22/19	In-person meeting with David Juarez (Assemblymember Miguel Santiago)
4/11/19	Conference Call with LA County Department of Regional Planning
4/16/19	In-person meeting with Wendy Gutschow (USC)
4/23/19	In-person meeting with LACDPH
5/3/19	In-person meeting with Evelyn Nuno (Assemblymember Cristina Garcia)
5/6/19	Call with Corina Martinez (AltaMed)
5/14/19	Call with Anabella Bastida (COFEM)
5/14/19	Call with Johncito (Active Resident – City of Commerce)
5/15/19	Conference Call with LA City Planning Department
5/20/19	Call with Wendy Gutschow (USC)
5/24/19	Call with CalTrans
5/29/19	In-person meeting with Rafael Yanez (Active Resident – ELA)
5/31/19	In-person meeting with Annabella Bastida and Leoda Valenzuela (COFEM)
6/5/19	In-person meeting with City of Commerce
6/5/19	In-person meeting with COFEM
6/5/19	Call with Rudy and Carina (Active Residents – ELA)
6/6/19	In-person meeting with Brian Johnston (White Memorial Medical Center)
6/6/19	In-person meeting with Corina Martinez, Hector Garcia (AltaMed, Our Lady of Victory)
6/14/19	Call with Irene Burga (LA City Mayor’s Office)
6/19/19	Conference Call with LA County Dept. Public Health
7/2/19	In-person meeting with Joseph Martinez (1st Supervisor Hilda Solis’ office)
7/24/19	Call with LACDPH
7/30/19	Call with LACDPH

#### Appendix 2-7

---

# APPENDIX 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 3a: Community Profile

### Information on the Best Available Retrofit Control Technology and AB 2588 Program

AB 617 requires air districts to implement Best Available Retrofit Control Technology (BARCT) for facilities in the state greenhouse gas cap-and-trade program by December 31, 2023. The East Los Angeles, Boyle Heights, West Commerce community has facilities that are subject to BARCT, specifically larger facilities that are in the REgional CLean Air Incentives Market (RECLAIM) program. In addition, CARB's Blueprint states that facilities located within the community with Risk Reduction Plans under the Assembly Bill (AB) 2588 program must be identified. Descriptions of the facilities that are subject to BARCT (specifically RECLAIM facilities) and the AB 2588 program are provided below.

### Best Available Retrofit Control Technology (BARCT)

#### *RECLAIM facilities*

Facilities within the RECLAIM program are typically larger facilities that have NO<sub>x</sub> emissions greater than four tons per year. The RECLAIM program<sup>1</sup> uses a market-based approach to achieve emission reductions from facilities for nitrogen oxides (NO<sub>x</sub>) and sulfur oxides (SO<sub>x</sub>) in the aggregate. However, an analysis of the RECLAIM program has shown that the ability to achieve NO<sub>x</sub> emission reductions using a market-based approach has diminished; therefore, pursuant to Board direction, RECLAIM NO<sub>x</sub> facilities will transition<sup>i</sup> to a command-and-control regulatory structure to ensure facilities meet BARCT. RECLAIM facilities that are also in the State greenhouse gas cap-and-trade program are subject to the BARCT requirements of AB 617. South Coast AQMD staff completed an analysis of the equipment at each RECLAIM facility, giving higher priority to older, higher polluting units that will need to install retrofit controls. The higher polluting units at RECLAIM facilities will be or have been evaluated for BARCT and will be subject to the following South Coast AQMD rules: Rules 1109.1,<sup>2</sup> 1110.2,<sup>3</sup> 1117,<sup>4</sup> 1118.1,<sup>5</sup> 1134,<sup>6</sup> 1135,<sup>7</sup> 1146, 1146.1, 1146.2,<sup>8</sup> 1147, 1147.1,<sup>9</sup> and 1147.2.<sup>10</sup> A BARCT assessment includes an evaluation of emission limits for existing units, South Coast AQMD regulatory requirements, other regulatory requirements, and pollution control technologies. Table Appendix 3a-1 lists the RECLAIM facilities that may be subject to BARCT and whether they are in the State cap-and-trade program.

---

<sup>i</sup> For more information on the RECLAIM transition please see: <http://www.aqmd.gov/home/rules-compliance/reclaim-transition>.



Table Appendix 3a-1: List of NOx RECLAIM facilities within the East Los Angeles, Boyle Heights, West Commerce community

RECLAIM Facility Name	Facility Address	Cap-and-Trade Facility (Yes/No)
BAKER COMMODITIES INC	4020 BANDINI BLVD., VERNON	No
CALMAT CO	2715 E WASHINGTON BLVD, LOS ANGELES	No
D&D DISPOSAL INC, WEST COAST RENDERING CO	4105 BANDINI BLVD, VERNON	No
DARLING INGREDIENTS INC.	2626 E 25TH ST, LOS ANGELES	No
EXIDE TECHNOLOGIES	2700 S INDIANA ST, VERNON	Yes
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	6250 E BANDINI BLVD, LOS ANGELES	No
MEDICLEAN	4500 DUNHAM ST, COMMERCE	No
SMITHFIELD PACKAGED MEATS CORP	3049 E VERNON AVE, VERNON	No
THE NEWARK GROUP, INC.	6001 S EASTERN AVE, COMMERCE	Yes

#### *Non-RECLAIM facilities*

As a result of the BARCT assessment conducted for RECLAIM facilities, some equipment at non-RECLAIM facilities will also be affected and will be required to meet BARCT NOx emissions. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities that may be subject to additional requirements is being developed.

#### [AB 2588 Program](#)

The AB 2588 Program<sup>11</sup> is a statewide program that requires air districts to establish emissions inventory of air toxics from individual facilities.<sup>ii</sup> The AB 2588 program is implemented in South Coast AQMD through Rule 1402 - Control of Toxic Air Contaminants from Existing Sources<sup>12</sup> which requires certain facilities to conduct Health Risk Assessments to assess the health risk (long-term versus short-term) to the surrounding community. Facilities are required to submit Health Risk Assessments<sup>13</sup> based upon the toxicity and volume of toxic air contaminants released within proximity to potential receptors (e.g., hospitals, residences, work sites). Depending on the risk, facilities may be required to do public notices and hold a public meeting. If a facility is determined to exceed the significant risk level, as determined by each air district, they are required to reduce this risk by submitting a Risk Reduction Plan (RRP).<sup>14</sup> The RRP outlines what measures (e.g., high-efficiency particulate air (HEPA) filters) the facility will incorporate to reduce their risk. (Some facilities may be subject to the AB 2588 program, but do not exceed the action risk threshold and

<sup>ii</sup> The South Coast AQMD's AB 2588 Program incorporates the requirements of the state AB 2588 program, as well as additional and/or more stringent requirements.

therefore are not required to submit a RRP.) Some facilities may also choose to voluntarily reduce their risk by submitting a voluntary RRP (VRRP).<sup>iii</sup> If a facility has an approved VRRP, the risks will be reduced below the voluntary risk threshold. Table Appendix 3a-2<sup>iv</sup> shows facilities within the East Los Angeles, Boyle Heights, West Commerce community that are currently in the AB 2588 program in the South Coast AQMD. This table includes the facility name, location address, and the most recent status under the AB 2588 program. Facilities in the AB 2588 program without a RRP or VRRP will have the prioritization level (High, Intermediate, or Low)<sup>v</sup> and what year the prioritization was conducted listed as the status. Prioritization is based on reporting every four years.

Table Appendix 3a-2: List of facilities in the AB 2588 program within the East Los Angeles, Boyle Heights, West Commerce community

Facility Name	Facility Address	Status within the AB 2588 Program
UNIVERSITY SO CALIFORNIA,HEALTH SCIENCES	2011 ZONAL AVE, LOS ANGELES	Prioritization from 2017 - Low
ELLIS PAINTS CO/PACIFIC COAST LACQUER	3150 E PICO BLVD, LOS ANGELES	Prioritization from 2017 - Intermediate
WHITE MEMORIAL MEDICAL CENTER	1720 CESAR CHAVEZ AVE, LOS ANGELES	Prioritization from 2017 - Intermediate
LAC/USC MEDICAL CENTER	1200 N STATE ST, LOS ANGELES	Prioritization from 2015 - Low
RAMCAR BATTERIES INC	2700 CARRIER AVE, COMMERCE	Prioritization from 2016 - Low
KECK HOSPITAL OF USC	1500 SAN PABLO ST, LOS ANGELES	Prioritization from 2018 - Low
ELITE COMFORT SOLUTIONS	4542 E DUNHAM ST, COMMERCE	VRRP under review
GROVER PROD. CO (EIS USE)	3424 E OLYMPIC BLVD, LOS ANGELES	Prioritization from 2015 - Low
AMVAC CHEMICAL CORP	4100 E WASHINGTON BLVD, LOS ANGELES	Prioritization from 2015 - Low
CERTIFIED ENAMELING INC	3340-42 EMERY ST, LOS ANGELES	Prioritization from 2017 - Low

<sup>iii</sup> Some facilities may have submitted applications for a VRRP; however, if the facility is found to be already under the voluntary risk threshold, no further reduction measures are required.

<sup>iv</sup> Facilities listed in the table are reducing risk or in the process of reducing risk.

<sup>v</sup> Facilities designated as high priority are required to submit Health Risk Assessments to assess the risk to their surrounding community. Facilities ranked as Intermediate priority are required to submit a complete toxics inventory once every four years. Facilities ranked as low priority are exempt from reporting.

### Technology Clearinghouse

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process. Permit considerations for both new and modified sources throughout the district are based on rule requirements.

### References

1. South Coast AQMD, RECLAIM, <http://www.aqmd.gov/home/programs/business/business-detail?title=reclaim>, Accessed July 29, 2019.
2. South Coast AQMD, PR 1109.1: Refinery Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1109.1>, Accessed July 29, 2019.
3. South Coast AQMD, PAR 1110.2: Emissions from Gaseous and Liquid-Fueled Engines, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1110.2>, Accessed July 29, 2019.
4. South Coast AQMD, Rule 1117: Emissions of Oxides of Nitrogen from Glass Melting Furnaces, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1117.pdf>, Accessed July 30, 2019.
5. South Coast AQMD, PR 1118.1: Control of Emissions from Non-Refinery Flares, <https://www.aqmd.gov/home/rules-compliance/compliance/r1118-1>, Accessed July 29, 2019.
6. South Coast AQMD, PAR 1134: Emissions of Oxides of Nitrogen, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1134>, Accessed July 29, 2019.
7. South Coast AQMD, PAR 1135: Emissions of Oxides of Nitrogen from Electricity Generating Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1135>, Accessed July 29, 2019.
8. South Coast AQMD, PAR 1146, 1146.1, 1146.2: Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters; and - Implementation Schedule for NOx Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1146>, Accessed July 29, 2019.

9. South Coast AQMD, PAR 1147, 1147.1: NOx Reductions from Miscellaneous Sources, NOx Reductions from Large Miscellaneous Combustion, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147>, Accessed July 29, 2019.
10. South Coast AQMD, PAR 1147.2: NOx Reductions from Metal Processing Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147.2>, Accessed July 29, 2019.
11. South Coast AQMD, Air Toxics “Hot Spots” Program (AB 2588), <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588>, Accessed July 19, 2019.
12. South Coast AQMD, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1402.pdf>, Accessed August 9, 2019.
13. South Coast AQMD, Health Risk Assessment, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/health-risk-assessment>, Accessed July 19, 2019.
14. South Coast AQMD, Risk Reduction, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/risk-reduction>, Accessed July 19, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX 3B:

## SOURCE ATTRIBUTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

2017 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	59.94	5.58	0.00	11.52	0.76	20.21	20.09	20.05	24.81	0.00
20	Cogeneration	0.22	0.21	0.11	1.20	0.00	0.18	0.13	0.08	2.47	0.00
30	Oil and Gas Production (combustion)	0.04	0.01	0.10	0.05	0.00	0.00	0.00	0.00	0.02	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	377.61	54.27	138.48	184.09	2.34	13.48	13.38	13.32	20.45	2.31
52	Food and Agricultural Processing	8.65	4.65	10.09	45.83	0.30	5.46	5.39	5.37	8.63	0.89
60	Service and Commercial	99.15	31.97	63.53	153.35	2.73	9.94	9.94	9.93	29.02	1.04
99	Other (Fuel Combustion)	12.91	3.73	35.73	20.33	0.24	9.10	8.74	8.39	1.51	0.05
<b>Total Fuel Combustion</b>		<b>558.51</b>	<b>100.41</b>	<b>248.04</b>	<b>416.37</b>	<b>6.36</b>	<b>58.37</b>	<b>57.66</b>	<b>57.14</b>	<b>86.91</b>	<b>4.29</b>
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
120	Landfills	67.06	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00
130	Incineration	2.46	0.42	3.38	2.34	0.04	0.44	0.44	0.44	0.91	0.01
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Waste Disposal</b>		<b>69.57</b>	<b>1.39</b>	<b>3.38</b>	<b>2.34</b>	<b>0.04</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>1.72</b>	<b>0.01</b>
Cleaning and Surface Coatings											
210	Laundering	7.79	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	640.62	118.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	116.70	114.34	0.10	0.02	0.00	12.13	11.64	11.21	1.44	0.05
240	Printing	42.52	42.52	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00
250	Adhesives and Sealants	27.00	23.56	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00
299	Other (Cleaning and Surface Coatings)	57.05	34.21	0.14	0.62	0.01	1.71	1.64	1.57	0.06	1.03
<b>Total Cleaning and Surface Coatings</b>		<b>891.67</b>	<b>333.12</b>	<b>0.24</b>	<b>0.64</b>	<b>0.01</b>	<b>13.88</b>	<b>13.32</b>	<b>12.82</b>	<b>3.55</b>	<b>1.08</b>
Petroleum Production and Marketing											
310	Oil and Gas Production	2.94	1.18	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	1.11	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	111.54	89.50	0.00	0.00	0.00	1.82	1.27	0.76	0.00	0.00
399	Other (Petroleum Production and Marketing)	3.71	2.93	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00
<b>Total Petroleum Production and Marketing</b>		<b>119.29</b>	<b>94.30</b>	<b>0.00</b>	<b>0.01</b>	<b>0.04</b>	<b>1.82</b>	<b>1.27</b>	<b>0.76</b>	<b>1.09</b>	<b>0.00</b>
Industrial Processes											
410	Chemical	49.08	36.08	0.00	0.00	0.00	6.38	5.50	5.13	0.00	0.43
420	Food and Agriculture	4.05	2.71	0.00	0.00	0.00	24.56	7.30	0.49	0.43	0.00
430	Mineral Processes	2.95	2.33	0.02	14.47	0.00	17.49	15.81	11.62	6.35	46.68
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	7.14	5.99	4.91	0.00	102.56
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	52.24	36.57	21.94	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.11	0.08	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	86.50	77.55	4.28	0.96	2.87	37.70	30.67	26.30	133.17	0.06
<b>Total Industrial Processes</b>		<b>142.58</b>	<b>118.67</b>	<b>4.30</b>	<b>15.42</b>	<b>2.87</b>	<b>145.62</b>	<b>101.93</b>	<b>70.43</b>	<b>139.95</b>	<b>149.73</b>
Solvent Evaporation											
510	Consumer Products	664.93	552.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	77.71	73.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	4.24	4.24	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00
540	Asphalt Paving/Roofing	1.89	1.69	0.00	0.00	0.00	0.06	0.06	0.06	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>748.77</b>	<b>632.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.35</b>	<b>0.00</b>



(Continued)

## 2017 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	71.26	31.13	57.27	173.97	1.86	26.91	25.57	24.85	0.44	1.35
620	Farming Operations	6.93	0.55	0.00	0.00	0.00	0.03	0.01	0.00	2.15	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	114.88	56.18	5.63	0.00	127.98
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	351.91	160.82	24.28	0.00	87.27
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	2.41	1.43	0.14	0.00	0.63
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.09
660	Fires	2.15	1.45	0.47	18.76	0.00	2.90	2.84	2.68	0.00	0.36
670	Waste Burning and Disposal	0.01	0.01	0.00	0.10	0.00	0.01	0.01	0.01	0.00	0.00
690	Cooking	15.94	11.14	0.00	0.00	0.00	67.48	67.48	67.48	0.00	18.83
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	163.76	0.00
	RECLAIM			195.60		49.95					
<b>Total Miscellaneous Processes</b>		<b>96.29</b>	<b>44.28</b>	<b>253.34</b>	<b>192.83</b>	<b>51.81</b>	<b>566.60</b>	<b>314.38</b>	<b>125.07</b>	<b>166.35</b>	<b>236.51</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	255.06	226.06	206.75	2637.28	5.70	85.96	84.17	35.63	46.95	15.12
722	Light Duty Trucks 1 (T1)	58.19	52.05	45.53	466.51	0.57	7.71	7.52	3.34	5.07	1.61
723	Light Duty Trucks 2 (T2)	141.63	125.80	154.00	1384.66	2.74	31.36	30.69	12.99	25.21	5.66
724	Medium Duty Trucks (T3)	116.33	103.04	125.55	1111.21	2.11	20.19	19.76	8.45	24.21	3.79
732	Light Heavy Duty Gas Trucks 1 (T4)	19.10	17.91	16.22	75.34	0.25	2.53	2.48	1.05	1.92	0.36
733	Light Heavy Duty Gas Trucks 2 (T5)	4.25	4.01	3.83	14.68	0.07	0.65	0.64	0.27	0.37	0.08
734	Medium Heavy Duty Gas Trucks (T6)	4.87	4.18	8.63	50.10	0.13	1.06	1.04	0.44	0.32	0.14
736	Heavy Heavy Duty Gas Trucks ((HHD)	1.86	1.48	5.57	43.00	0.02	0.06	0.06	0.02	0.03	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	3.22	2.83	72.04	11.50	0.09	2.19	2.15	1.15	0.06	0.25
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.47	1.29	31.81	5.17	0.05	1.15	1.13	0.60	0.03	0.13
744	Medium Heavy Duty Diesel Truck (T6)	17.96	15.77	238.86	37.06	0.41	12.94	12.79	9.18	1.06	0.69
746	Heavy Heavy Duty Diesel Trucks (HHD)	40.91	29.08	560.25	98.48	1.13	15.05	14.91	10.32	1.81	1.41
750	Motorcycles (MCY)	77.02	67.47	17.56	346.56	0.04	0.29	0.28	0.13	0.13	0.12
760	Diesel Urban Buses (UB)	78.02	4.53	26.77	261.58	0.00	0.76	0.75	0.30	0.01	0.13
762	Gas Urban Buses (UB)	0.17	0.15	0.73	1.56	0.04	0.29	0.29	0.12	0.09	0.04
771	Gas School Buses (SB)	0.35	0.26	0.37	2.81	0.00	0.45	0.44	0.19	0.03	0.05
772	Diesel School Buses (SB)	0.35	0.31	17.72	0.80	0.02	1.25	1.23	0.57	0.04	0.13
777	Gas Other Buses (OB)	1.45	1.23	3.17	15.27	0.06	0.50	0.49	0.21	0.15	0.06
778	Motor Coaches	1.04	0.91	14.00	2.62	0.02	0.50	0.49	0.36	0.04	0.05
779	Diesel Other Buses (OB)	1.45	1.27	17.20	2.81	0.03	0.93	0.92	0.68	0.07	0.09
780	Motor Homes (MH)	0.80	0.63	5.03	12.24	0.05	0.54	0.53	0.27	0.11	0.06
<b>Total On-Road Motor Vehicles</b>		<b>825.50</b>	<b>660.26</b>	<b>1571.59</b>	<b>6581.24</b>	<b>13.53</b>	<b>186.36</b>	<b>182.76</b>	<b>86.27</b>	<b>107.71</b>	<b>29.98</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	23.44	19.64	345.04	67.53	0.21	6.82	6.82	6.26	0.10	0.41
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	17.52	17.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	6.80	6.78	0.02	0.95	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	258.59	224.27	283.59	3277.74	0.47	19.54	18.69	16.07	0.80	18.26
870	Farm Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	35.62	35.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>341.97</b>	<b>303.69</b>	<b>628.65</b>	<b>3346.22</b>	<b>0.68</b>	<b>26.36</b>	<b>25.51</b>	<b>22.33</b>	<b>0.90</b>	<b>18.67</b>
Total Stationary and Area Sources		2626.68	1324.20	509.29	627.61	61.14	786.79	489.06	266.72	399.92	391.61
Total On-Road Vehicles		825.50	660.26	1571.59	6581.24	13.53	186.36	182.76	86.27	107.71	29.98
Total Other Mobile		341.97	303.69	628.65	3346.22	0.68	26.36	25.51	22.33	0.90	18.67
<b>Total</b>		<b>3794.15</b>	<b>2288.15</b>	<b>2709.53</b>	<b>10555.07</b>	<b>75.35</b>	<b>999.51</b>	<b>697.33</b>	<b>375.32</b>	<b>508.53</b>	<b>440.26</b>

2024 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Fuel Combustion											
10	Electric Utilities	65.99	6.14	0.00	12.69	0.84	22.25	22.12	22.08	27.32	0.00
20	Cogeneration	0.24	0.23	0.12	1.32	0.00	0.20	0.14	0.08	2.72	0.00
30	Oil and Gas Production (combustion)	0.04	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.02	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	344.22	53.15	129.61	183.82	2.55	12.84	12.72	12.66	19.13	2.14
52	Food and Agricultural Processing	9.51	5.11	11.10	50.43	0.33	6.01	5.93	5.91	9.52	0.98
60	Service and Commercial	101.09	31.17	61.76	155.08	3.26	10.05	10.04	10.03	28.13	0.99
99	Other (Fuel Combustion)	13.94	3.65	31.42	20.38	0.26	10.08	9.68	9.30	1.60	0.04
Total Fuel Combustion		535.04	99.46	234.12	423.77	7.24	61.44	60.63	60.06	88.43	4.15
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
120	Landfills	69.29	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00
130	Incineration	2.77	0.47	3.52	2.62	0.04	0.49	0.49	0.49	1.01	0.01
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		72.10	1.47	3.52	2.62	0.04	0.49	0.49	0.49	1.85	0.01
Cleaning and Surface Coatings											
210	Laundering	8.23	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	770.85	142.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	128.44	125.89	0.11	0.02	0.00	13.17	12.66	12.19	1.65	0.06
240	Printing	47.20	47.20	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00
250	Adhesives and Sealants	32.47	28.32	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00
299	Other (Cleaning and Surface Coatings)	63.06	38.01	0.14	0.68	0.01	1.73	1.66	1.59	0.06	1.14
Total Cleaning and Surface Coatings		1050.25	381.93	0.26	0.70	0.01	14.95	14.35	13.82	4.01	1.20
Petroleum Production and Marketing											
310	Oil and Gas Production	3.07	1.23	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	1.22	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	107.73	84.35	0.00	0.00	0.00	2.00	1.40	0.84	0.00	0.00
399	Other (Petroleum Production and Marketing)	4.27	3.32	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00
Total Petroleum Production and Marketing		116.29	89.65	0.00	0.01	0.04	2.00	1.40	0.84	1.08	0.00
Industrial Processes											
410	Chemical	57.51	42.26	0.00	0.00	0.00	7.60	6.56	6.11	0.00	0.50
420	Food and Agriculture	4.46	2.98	0.00	0.00	0.00	27.04	8.04	0.54	0.47	0.00
430	Mineral Processes	3.32	2.62	0.02	16.29	0.00	20.13	18.18	13.42	7.15	52.56
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	8.12	6.82	5.59	0.00	116.80
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	60.67	42.47	25.48	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.12	0.09	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	93.10	83.79	4.36	0.98	2.87	41.74	33.90	29.04	134.00	0.07
Total Industrial Processes		158.38	131.65	4.38	17.27	2.87	165.42	116.06	80.25	141.63	169.93
Solvent Evaporation											
510	Consumer Products	690.09	574.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	81.66	77.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	4.45	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00
540	Asphalt Paving/Roofing	2.15	1.92	0.00	0.00	0.00	0.07	0.07	0.06	0.00	0.00
Total Solvent Evaporation		778.35	657.65	0.00	0.00	0.00	0.07	0.07	0.06	0.35	0.00

(Continued)

2024 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	70.70	30.89	48.20	171.93	1.87	26.52	25.19	24.47	0.44	1.39
620	Farming Operations	6.93	0.55	0.00	0.00	0.00	0.03	0.01	0.00	2.15	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	130.77	63.94	6.41	0.00	145.67
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	358.45	163.81	24.73	0.00	88.89
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	2.41	1.43	0.14	0.00	0.63
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.09
660	Fires	2.15	1.45	0.47	18.81	0.00	2.90	2.85	2.68	0.00	0.36
670	Waste Burning and Disposal	0.01	0.01	0.00	0.10	0.00	0.01	0.01	0.01	0.00	0.00
690	Cooking	16.84	11.77	0.00	0.00	0.00	71.30	71.30	71.30	0.00	19.89
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	169.79	0.00
	RECLAIM			152.40		58.30					
<b>Total Miscellaneous Processes</b>		<b>96.63</b>	<b>44.67</b>	<b>201.07</b>	<b>190.84</b>	<b>60.17</b>	<b>592.46</b>	<b>328.58</b>	<b>129.74</b>	<b>172.38</b>	<b>256.92</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	136.44	125.92	91.01	1515.76	4.63	83.21	81.54	33.99	37.20	14.00
722	Light Duty Trucks 1 (T1)	27.02	24.86	17.26	207.87	0.45	7.01	6.85	2.92	3.69	1.26
723	Light Duty Trucks 2 (T2)	86.37	79.52	63.89	796.63	2.22	31.93	31.28	13.07	21.80	5.46
724	Medium Duty Trucks (T3)	60.06	55.00	46.50	521.34	1.56	18.35	17.97	7.54	18.50	3.15
732	Light Heavy Duty Gas Trucks 1 (T4)	8.59	8.19	6.53	26.88	0.15	1.62	1.58	0.67	0.99	0.22
733	Light Heavy Duty Gas Trucks 2 (T5)	2.43	2.32	2.09	7.20	0.05	0.57	0.56	0.23	0.24	0.07
734	Medium Heavy Duty Gas Trucks (T6)	2.41	2.16	3.24	20.69	0.12	1.04	1.02	0.43	0.32	0.13
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.65	0.48	3.12	27.52	0.02	0.07	0.07	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.34	2.06	30.45	6.98	0.10	2.35	2.32	1.11	0.07	0.28
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.19	1.04	15.08	3.53	0.05	1.38	1.36	0.66	0.04	0.16
744	Medium Heavy Duty Diesel Truck (T6)	0.74	0.65	118.96	5.81	0.44	7.45	7.32	3.20	1.32	0.85
746	Heavy Heavy Duty Diesel Trucks (HHD)	20.33	7.87	420.73	87.45	1.18	9.76	9.65	4.33	2.25	1.52
750	Motorcycles (MCY)	80.52	69.04	19.76	350.80	0.04	0.33	0.32	0.15	0.15	0.13
760	Diesel Urban Buses (UB)	44.23	0.62	3.24	225.94	0.00	0.50	0.49	0.19	0.01	0.08
762	Gas Urban Buses (UB)	0.16	0.14	0.64	1.70	0.05	0.34	0.34	0.14	0.10	0.04
771	Gas School Buses (SB)	0.45	0.33	0.36	3.13	0.01	0.64	0.63	0.27	0.04	0.07
772	Diesel School Buses (SB)	0.28	0.25	16.76	0.79	0.02	1.22	1.20	0.54	0.04	0.13
777	Gas Other Buses (OB)	1.43	1.28	2.06	11.03	0.06	0.55	0.54	0.22	0.17	0.07
778	Motor Coaches	0.14	0.12	6.92	1.09	0.03	0.29	0.29	0.14	0.05	0.03
779	Diesel Other Buses (OB)	0.05	0.04	8.31	0.38	0.03	0.52	0.51	0.23	0.09	0.06
780	Motor Homes (MH)	0.26	0.21	3.34	2.59	0.04	0.47	0.47	0.22	0.10	0.06
<b>Total On-Road Motor Vehicles</b>		<b>476.09</b>	<b>382.10</b>	<b>880.25</b>	<b>3825.11</b>	<b>11.25</b>	<b>169.60</b>	<b>166.31</b>	<b>70.28</b>	<b>87.21</b>	<b>27.78</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	18.35	15.36	303.65	70.80	0.22	5.60	5.60	5.14	0.11	0.34
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	14.58	14.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	6.42	6.40	0.02	1.12	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	240.20	207.95	214.10	3556.05	0.51	15.07	14.18	11.86	0.90	19.08
870	Farm Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	27.50	27.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>307.05</b>	<b>271.68</b>	<b>517.77</b>	<b>3627.97</b>	<b>0.73</b>	<b>20.67</b>	<b>19.78</b>	<b>17.00</b>	<b>1.01</b>	<b>19.42</b>
Total Stationary and Area Sources		2807.04	1406.48	443.35	635.22	70.38	836.83	521.59	285.26	409.73	432.20
Total On-Road Vehicles		476.09	382.10	880.25	3825.11	11.25	169.60	166.31	70.28	87.21	27.78
Total Other Mobile		307.05	271.68	517.77	3627.97	0.73	20.67	19.78	17.00	1.01	19.42
<b>Total</b>		<b>3590.18</b>	<b>2060.26</b>	<b>1841.37</b>	<b>8088.30</b>	<b>82.36</b>	<b>1027.10</b>	<b>707.68</b>	<b>372.54</b>	<b>497.95</b>	<b>479.40</b>

2029 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Fuel Combustion											
10	Electric Utilities	66.53	6.19	0.00	12.79	0.84	22.44	22.30	22.26	27.54	0.00
20	Cogeneration	0.24	0.23	0.12	1.33	0.00	0.20	0.14	0.08	2.74	0.00
30	Oil and Gas Production (combustion)	0.04	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.02	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	331.79	52.77	127.45	183.90	2.64	12.60	12.48	12.41	18.61	2.07
52	Food and Agricultural Processing	9.73	5.23	11.34	51.47	0.33	6.13	6.05	6.03	9.70	1.00
60	Service and Commercial	104.56	31.58	62.63	158.40	3.54	10.20	10.19	10.18	28.23	0.99
99	Other (Fuel Combustion)	14.40	3.73	31.53	20.77	0.27	10.45	10.03	9.65	1.64	0.04
<b>Total Fuel Combustion</b>		<b>527.28</b>	<b>99.74</b>	<b>233.18</b>	<b>428.71</b>	<b>7.63</b>	<b>62.01</b>	<b>61.19</b>	<b>60.60</b>	<b>88.49</b>	<b>4.10</b>
Waste Disposal											
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
120	Landfills	70.93	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00
130	Incineration	2.86	0.49	3.65	2.71	0.05	0.51	0.51	0.51	1.04	0.01
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Waste Disposal</b>		<b>73.84</b>	<b>1.51</b>	<b>3.65</b>	<b>2.71</b>	<b>0.05</b>	<b>0.51</b>	<b>0.51</b>	<b>0.51</b>	<b>1.91</b>	<b>0.01</b>
Cleaning and Surface Coatings											
210	Laundering	8.45	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	822.29	151.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	132.34	129.72	0.12	0.03	0.00	13.47	12.94	12.46	1.71	0.06
240	Printing	48.73	48.73	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.00
250	Adhesives and Sealants	34.62	30.21	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00
299	Other (Cleaning and Surface Coatings)	65.16	39.37	0.15	0.70	0.01	1.74	1.66	1.60	0.06	1.17
<b>Total Cleaning and Surface Coatings</b>		<b>1111.58</b>	<b>400.01</b>	<b>0.27</b>	<b>0.72</b>	<b>0.01</b>	<b>15.25</b>	<b>14.64</b>	<b>14.10</b>	<b>4.14</b>	<b>1.23</b>
Petroleum Production and Marketing											
310	Oil and Gas Production	3.08	1.24	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	1.27	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	103.90	79.99	0.00	0.00	0.00	2.02	1.41	0.85	0.00	0.00
399	Other (Petroleum Production and Marketing)	4.49	3.47	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00
<b>Total Petroleum Production and Marketing</b>		<b>112.73</b>	<b>85.49</b>	<b>0.00</b>	<b>0.01</b>	<b>0.04</b>	<b>2.02</b>	<b>1.41</b>	<b>0.85</b>	<b>1.09</b>	<b>0.00</b>
Industrial Processes											
410	Chemical	60.56	44.56	0.00	0.00	0.00	7.99	6.91	6.44	0.00	0.52
420	Food and Agriculture	4.56	3.05	0.00	0.00	0.00	27.61	8.21	0.55	0.48	0.00
430	Mineral Processes	3.42	2.71	0.02	16.81	0.00	20.94	18.91	13.99	7.38	54.24
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	8.57	7.19	5.90	0.00	123.26
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	63.32	44.32	26.60	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.05	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	95.52	86.05	4.43	0.99	2.87	43.07	34.95	29.91	134.22	0.08
<b>Total Industrial Processes</b>		<b>164.05</b>	<b>136.36</b>	<b>4.45</b>	<b>17.80</b>	<b>2.87</b>	<b>171.62</b>	<b>120.58</b>	<b>83.44</b>	<b>142.09</b>	<b>178.09</b>
Solvent Evaporation											
510	Consumer Products	711.51	592.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	84.24	79.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	4.59	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00
540	Asphalt Paving/Roofing	2.23	1.99	0.00	0.00	0.00	0.07	0.07	0.06	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>802.57</b>	<b>678.60</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.07</b>	<b>0.06</b>	<b>0.35</b>	<b>0.00</b>

(Continued)

2029 Annual Average Emissions by Source Category in East LA, Boyle Heights, West Commerce

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	70.58	30.84	43.29	171.51	1.88	26.44	25.11	24.39	0.44	1.42
620	Farming Operations	6.93	0.55	0.00	0.00	0.00	0.03	0.01	0.00	2.15	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	135.40	66.21	6.63	0.00	150.83
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	352.98	161.31	24.36	0.00	87.54
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	2.41	1.43	0.14	0.00	0.63
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.09
660	Fires	2.16	1.46	0.47	18.92	0.00	2.91	2.85	2.69	0.00	0.36
670	Waste Burning and Disposal	0.01	0.01	0.00	0.10	0.00	0.01	0.01	0.01	0.00	0.00
690	Cooking	17.30	12.09	0.00	0.00	0.00	73.21	73.21	73.21	0.00	20.42
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	174.91	0.00
	RECLAIM			152.40		58.30					
<b>Total Miscellaneous Processes</b>		<b>96.98</b>	<b>44.95</b>	<b>196.16</b>	<b>190.53</b>	<b>60.18</b>	<b>593.46</b>	<b>330.18</b>	<b>131.43</b>	<b>177.50</b>	<b>261.29</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	107.34	100.68	70.47	1289.71	4.14	82.84	81.24	33.48	34.76	13.42
722	Light Duty Trucks 1 (T1)	18.46	17.24	10.89	151.13	0.41	6.88	6.74	2.81	3.38	1.16
723	Light Duty Trucks 2 (T2)	70.43	65.82	45.30	685.61	2.00	32.54	31.90	13.18	21.80	5.35
724	Medium Duty Trucks (T3)	45.06	42.06	28.98	401.81	1.35	18.04	17.69	7.32	17.71	2.96
732	Light Heavy Duty Gas Trucks 1 (T4)	6.22	6.00	4.22	18.02	0.12	1.39	1.36	0.57	0.74	0.19
733	Light Heavy Duty Gas Trucks 2 (T5)	1.81	1.74	1.61	6.00	0.05	0.58	0.57	0.24	0.22	0.07
734	Medium Heavy Duty Gas Trucks (T6)	2.01	1.82	2.29	16.12	0.12	1.10	1.08	0.45	0.34	0.14
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.55	0.40	2.98	30.33	0.02	0.08	0.08	0.03	0.04	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.45	2.15	20.17	6.72	0.11	2.59	2.55	1.19	0.08	0.32
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.28	1.12	10.81	3.53	0.06	1.58	1.55	0.75	0.04	0.18
744	Medium Heavy Duty Diesel Truck (T6)	0.89	0.78	157.93	7.04	0.46	8.40	8.25	3.60	1.49	0.95
746	Heavy Heavy Duty Diesel Trucks (HHD)	25.38	9.38	536.46	107.46	1.25	11.33	11.20	5.01	2.62	1.77
750	Motorcycles (MCY)	82.81	70.69	20.99	365.16	0.04	0.34	0.33	0.16	0.15	0.13
760	Diesel Urban Buses (UB)	39.56	0.55	3.10	191.82	0.00	0.41	0.41	0.16	0.01	0.07
762	Gas Urban Buses (UB)	0.18	0.15	0.80	1.98	0.05	0.37	0.36	0.15	0.11	0.05
771	Gas School Buses (SB)	0.55	0.40	0.34	3.57	0.01	0.76	0.75	0.32	0.04	0.08
772	Diesel School Buses (SB)	0.23	0.20	14.87	0.81	0.02	1.23	1.21	0.54	0.04	0.13
777	Gas Other Buses (OB)	1.48	1.37	1.68	9.67	0.06	0.57	0.56	0.23	0.17	0.07
778	Motor Coaches	0.18	0.16	8.85	1.34	0.03	0.32	0.32	0.15	0.05	0.04
779	Diesel Other Buses (OB)	0.06	0.05	10.83	0.46	0.03	0.57	0.56	0.25	0.10	0.07
780	Motor Homes (MH)	0.17	0.14	3.23	1.22	0.04	0.47	0.46	0.21	0.11	0.06
<b>Total On-Road Motor Vehicles</b>		<b>407.10</b>	<b>322.90</b>	<b>956.80</b>	<b>3299.51</b>	<b>10.37</b>	<b>172.39</b>	<b>169.17</b>	<b>70.80</b>	<b>84.00</b>	<b>27.22</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	15.79	13.22	262.76	73.63	0.24	4.85	4.85	4.46	0.12	0.29
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	13.03	13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	6.07	6.05	0.02	1.21	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	243.22	210.59	193.66	3719.01	0.54	14.00	13.08	10.82	0.97	19.60
870	Farm Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	24.42	24.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>302.53</b>	<b>267.21</b>	<b>456.44</b>	<b>3793.85</b>	<b>0.78</b>	<b>18.85</b>	<b>17.93</b>	<b>15.28</b>	<b>1.09</b>	<b>19.89</b>
Total Stationary and Area Sources		2889.02	1446.65	437.71	640.49	70.77	844.93	528.58	290.98	415.57	444.72
Total On-Road Vehicles		407.10	322.90	956.80	3299.51	10.37	172.39	169.17	70.80	84.00	27.22
Total Other Mobile		302.53	267.21	456.44	3793.85	0.78	18.85	17.93	15.28	1.09	19.89
<b>Total</b>		<b>3598.65</b>	<b>2036.76</b>	<b>1850.95</b>	<b>7733.85</b>	<b>81.92</b>	<b>1036.17</b>	<b>715.68</b>	<b>377.06</b>	<b>500.66</b>	<b>491.83</b>

2017 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	67.00	2.43	0.00	0.00	0.00	0.00	0.00	3963.64	0.00	0.00	0.00	0.00	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87
20	Cogeneration	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	2162.96	7.01	0.00	0.00	0.00	0.00	0.00	11300.82	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	0.00	6.79	0.05	0.00	2.31	0.00
52	Food and Agricultural Processing	23.65	19.70	0.00	0.00	0.00	0.00	0.00	166.63	0.00	0.00	0.00	0.00	0.00	3.32	0.00	0.49	0.01	1.06	0.19	0.01	0.89	0.00
60	Service and Commercial	4310.94	8.49	0.00	0.00	0.17	0.09	0.00	9092.18	0.32	0.00	0.05	0.00	0.00	0.55	0.00	0.03	0.00	2.79	0.03	0.00	1.04	0.00
99	Other (Fuel Combustion)	101.34	28.47	0.00	0.00	3.60	1.92	0.00	4767.12	1.62	0.00	1.21	0.00	0.00	0.94	0.02	0.03	14.37	1.23	0.01	0.00	0.05	660.00
Total Fuel Combustion		6675.76	66.09	0.00	0.00	3.77	2.01	0.00	29291.57	1.94	0.00	1.26	0.00	0.00	9.92	0.02	0.64	14.37	12.04	0.28	0.01	4.29	660.87
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	27.48	0.00	0.01	0.00	0.00	1.29	0.00	0.00	38.49	19.61	14.54	11.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	1.03	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		28.51	0.00	0.01	0.00	0.00	1.29	0.00	2.26	38.49	19.61	14.54	11.75	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.01	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2874.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66462.66	2112.00	0.00	308.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.55	2.60	2.55	0.00	0.00	0.05	0.00
240	Printing	0.00	0.00	0.00	21.40	0.00	0.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.20	0.00	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	1.03	0.00
Total Cleaning and Surface Coatings		10.11	0.00	0.00	21.40	0.00	0.00	21.40	3.28	66644.12	4986.00	1.00	308.34	0.00	0.00	0.00	25.55	3.02	2.55	0.00	0.00	1.08	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	15.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	592.81	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	1.60	0.00	0.00	0.00	0.00	0.00	0.00	149.28	8.04	0.27	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		612.27	6.21	0.00	0.00	0.00	0.00	0.00	149.28	8.54	0.78	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
410	Chemical	1662.47	9296.40	0.00	21.80	0.00	0.00	0.00	975.61	1.00	0.00	0.00	15.80	0.00	0.00	0.00	3.58	0.04	3.58	0.00	0.00	0.43	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	4.27	0.00	0.00	0.00	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00	0.00	0.06	0.00	2.95	0.00	0.00	0.00	0.00	46.68	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.22	0.21	6.05	2.17	0.13	102.56	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	0.55	0.00	0.00	0.00	0.00	0.00	0.00	622.92	169.00	574.71	0.00	66.86	0.00	0.01	0.00	0.01	0.21	1.58	0.00	0.00	0.06	0.00
Total Industrial Processes		1667.29	9296.40	0.00	21.80	0.00	0.00	0.00	1607.67	170.00	574.71	0.00	82.66	0.00	0.07	0.00	13.76	0.46	11.21	2.17	0.13	149.73	0.00
Solvent Evaporation																							
510	Consumer Products	0.08	0.00	0.03	0.00	0.00	0.00	0.00	29.90	24212.00	3250.03	0.00	2101.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	301.10	101.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	12.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		12.43	0.00	0.03	0.00	0.00	0.00	0.00	29.90	24513.10	3351.71	0.00	2101.70	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2017 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	727.53	0.00	0.00	0.00	0.00	0.00	0.00	6718.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.04	9.07	0.99	0.00	1.35	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.83	0.00	13.56	3.91	0.00	127.98	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00	8.45	9.15	0.00	87.27	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.18	0.07	0.00	0.63	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.00
660	Fires	0.00	40.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.01	0.00	0.36	0.00
670	Waste Burning and Disposal	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	86.71	109.69	0.00	0.00	0.00	0.00	0.00	1646.86	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.24	0.00	4.33	0.24	0.00	18.83	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		814.24	150.28	0.00	0.00	0.00	0.00	0.00	8365.80	0.00	0.00	0.00	0.00	0.00	0.00	2.16	10.80	7.59	0.04	35.61	14.37	0.00	236.51	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	12782.07	1408.32	0.00	0.00	0.00	0.00	0.00	5767.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	8.20	90.90	1.44	0.00	15.12	810.00
722	Light Duty Trucks 1 (T1)	2785.18	251.11	0.00	0.00	0.00	0.00	0.00	1139.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.72	7.88	0.13	0.00	1.61	86.00
723	Light Duty Trucks 2 (T2)	7059.79	750.95	0.00	0.00	0.00	0.00	0.00	3028.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	3.00	33.21	0.53	0.00	5.66	30.00
724	Medium Duty Trucks (T3)	6030.51	734.93	0.00	0.00	0.00	0.00	0.00	2895.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.92	21.33	0.34	0.00	3.79	130.00
732	Light Heavy Duty Gas Trucks 1 (T4)	771.57	47.88	0.00	0.00	0.00	0.00	0.00	216.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	3.00	0.05	0.00	0.36	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	165.42	8.77	0.00	0.00	0.00	0.00	0.00	40.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.78	0.01	0.00	0.08	0.00
734	Medium Heavy Duty Gas Trucks (T6)	261.15	22.24	0.00	0.00	0.00	0.00	0.00	114.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.28	0.02	0.00	0.14	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	120.79	10.40	0.00	0.00	0.00	0.00	0.00	66.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	128.86	12.24	0.00	0.00	0.00	0.00	0.00	947.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.18	1.95	0.03	0.00	0.25	1024.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	58.71	5.57	0.00	0.00	0.00	0.00	0.00	431.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	1.07	0.02	0.00	0.13	492.00
744	Medium Heavy Duty Diesel Truck (T6)	718.96	68.27	0.00	0.00	0.00	0.00	0.00	5286.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.67	7.07	0.12	0.00	0.69	14424.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	1637.26	155.46	0.00	0.00	0.00	0.00	0.00	12039.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.56	6.00	0.10	0.00	1.41	16656.00
750	Motorcycles (MCY)	4541.90	704.89	0.00	0.00	0.00	0.00	0.00	2892.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.31	0.00	0.00	0.12	0.00
760	Diesel Urban Buses (UB)	3122.36	296.48	0.00	0.00	0.00	0.00	0.00	22959.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.67	0.01	0.00	0.13	84.00
762	Gas Urban Buses (UB)	9.43	1.03	0.00	0.00	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.01	0.00	0.04	0.00
771	Gas School Buses (SB)	24.89	1.65	0.00	0.00	0.00	0.00	0.00	13.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.59	0.01	0.00	0.05	0.00
772	Diesel School Buses (SB)	13.93	1.32	0.00	0.00	0.00	0.00	0.00	102.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.50	0.02	0.00	0.13	196.00
777	Gas Other Buses (OB)	79.30	6.97	0.00	0.00	0.00	0.00	0.00	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.61	0.01	0.00	0.06	0.00
778	Motor Coaches	41.58	3.95	0.00	0.00	0.00	0.00	0.00	305.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26	0.00	0.00	0.05	566.00
779	Diesel Other Buses (OB)	57.91	5.50	0.00	0.00	0.00	0.00	0.00	425.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.47	0.01	0.00	0.09	1112.00
780	Motor Homes (MH)	50.86	4.52	0.00	0.00	0.00	0.00	0.00	50.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.55	0.01	0.00	0.06	168.00
Total On-Road Motor Vehicles		40462.43	4502.45	0.00	0.00	0.00	0.00	0.00	58763.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	16.29	179.84	2.87	0.00	29.98	35778.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	937.99	89.06	0.00	0.00	0.00	0.00	0.00	6897.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.04	0.22	0.05	0.00	0.41	13642.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	257.04	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	82.47	2.27	0.00	0.00	0.00	0.00	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	12405.96	2680.23	0.00	0.00	0.00	0.00	0.00	18196.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.39	18.77	0.04	0.00	18.26	19438.00
870	Farm Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	391.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		14074.86	2771.88	0.00	0.00	0.00	0.00	0.00	25102.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.43	18.99	0.09	0.00	18.67	33080.00
Total Stationary and Area Sources		9820.60	9518.98	0.04	43.20	3.77	3.30	21.40	39449.75	91376.20	8932.81	16.80	2506.01	0.00	12.17	10.82	47.73	17.89	61.43	16.82	0.14			

2024 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	73.76	2.68	0.00	0.00	0.00	0.00	0.00	4363.97	0.00	0.00	0.00	0.00	0.00	5.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96
20	Cogeneration	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	1955.17	8.42	0.00	0.00	0.00	0.00	0.00	11068.97	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.11	0.00	6.24	0.06	0.00	2.14	0.00
52	Food and Agricultural Processing	25.99	21.67	0.00	0.00	0.00	0.00	0.00	183.41	0.00	0.00	0.00	0.00	0.00	3.65	0.00	0.54	0.01	1.17	0.21	0.01	0.98	0.00
60	Service and Commercial	3978.50	8.49	0.00	0.00	0.17	0.09	0.00	8503.02	0.32	0.00	0.05	0.00	0.00	0.56	0.00	0.03	0.00	2.63	0.03	0.00	0.99	0.00
99	Other (Fuel Combustion)	91.69	30.08	0.00	0.00	4.10	2.19	0.00	5251.53	1.84	0.00	1.38	0.00	0.00	1.05	0.02	0.02	15.19	1.46	0.01	0.00	0.04	448.00
Total Fuel Combustion		6135.99	71.34	0.00	0.00	4.26	2.27	0.00	29372.15	2.16	0.00	1.43	0.00	0.00	10.89	0.02	0.70	15.20	11.66	0.31	0.01	4.15	448.96
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	28.39	0.00	0.01	0.00	0.00	1.33	0.00	0.00	39.77	20.26	15.02	12.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	1.15	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		29.54	0.00	0.01	0.00	0.00	1.33	0.00	2.54	39.77	20.26	15.02	12.14	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79981.67	2540.00	0.00	368.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.01	2.89	2.87	0.00	0.00	0.06	0.00
240	Printing	0.00	0.00	0.00	24.35	0.00	0.00	24.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	218.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.22	0.00	0.00	0.00	0.00	0.00	0.00	3.62	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	1.14	0.00
Total Cleaning and Surface Coatings		12.14	0.00	0.00	24.35	0.00	0.00	24.35	3.64	80200.02	2540.00	0.99	368.85	0.00	0.00	0.00	28.01	3.36	2.87	0.00	0.00	1.20	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	16.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.54	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	465.16	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	1.76	0.00	0.00	0.00	0.00	0.00	0.00	182.42	8.82	0.30	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		485.67	6.51	0.00	0.00	0.00	0.00	0.00	182.42	9.37	0.85	0.00	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
410	Chemical	1941.20	10891.20	0.00	21.58	0.00	0.00	0.00	1113.15	0.99	0.00	0.00	15.64	0.00	0.00	0.00	4.19	0.04	4.19	0.00	0.00	0.50	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	4.81	0.00	0.00	0.00	0.00	0.00	0.00	10.29	0.00	0.00	0.00	0.00	0.00	0.07	0.00	3.32	0.00	0.00	0.00	0.00	52.56	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.02	6.89	2.47	0.15	116.36	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	0.58	0.00	0.00	0.00	0.00	0.00	0.00	700.71	174.60	593.77	0.00	69.08	0.00	0.01	0.00	0.01	0.25	1.78	0.00	0.00	0.03	0.00
Total Industrial Processes		1946.59	10891.20	0.00	21.58	0.00	0.00	0.00	1824.15	175.59	593.77	0.00	84.72	0.00	0.08	0.00	16.21	0.31	12.86	2.47	0.15	169.46	0.00
Solvent Evaporation																							
510	Consumer Products	0.09	0.00	0.03	0.00	0.00	0.00	0.00	31.27	25506.66	3402.78	0.00	2208.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	316.45	106.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	14.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		14.15	0.00	0.03	0.00	0.00	0.00	0.00	31.27	25823.11	3509.64	0.00	2208.01	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00



(Continued)																								
2024 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	682.17	0.00	0.00	0.00	0.00	0.00	0.00	6628.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.05	8.52	1.02	0.00	1.39	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.49	0.00	15.43	4.45	0.00	145.67	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00	8.60	9.32	0.00	88.89	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.18	0.07	0.00	0.63	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.00
660	Fires	0.00	40.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.01	0.00	0.36	0.00
670	Waste Burning and Disposal	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	91.60	115.88	0.00	0.00	0.00	0.00	0.00	1739.77	0.00	0.00	0.00	0.00	0.00	2.29	0.00	0.25	0.00	4.57	0.25	0.00	19.89	0.00	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		773.77	156.55	0.00	0.00	0.00	0.00	0.00	8368.60	0.00	0.00	0.00	0.00	0.00	2.29	10.69	8.30	0.05	37.32	15.12	0.00	256.92	0.00	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	5979.69	640.43	0.00	0.00	0.00	0.00	0.00	2285.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	8.01	88.78	1.39	0.00	14.00	308.00	0.00
722	Light Duty Trucks 1 (T1)	1161.91	94.46	0.00	0.00	0.00	0.00	0.00	395.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.67	7.36	0.12	0.00	1.26	40.00	0.00
723	Light Duty Trucks 2 (T2)	3776.84	366.72	0.00	0.00	0.00	0.00	0.00	1333.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	3.07	34.03	0.53	0.00	5.46	18.00	0.00
724	Medium Duty Trucks (T3)	2687.99	274.10	0.00	0.00	0.00	0.00	0.00	1037.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.76	19.50	0.31	0.00	3.15	90.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	320.32	15.47	0.00	0.00	0.00	0.00	0.00	68.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.92	0.03	0.00	0.22	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	89.03	4.58	0.00	0.00	0.00	0.00	0.00	18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.69	0.01	0.00	0.07	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	115.18	9.73	0.00	0.00	0.00	0.00	0.00	42.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.25	0.02	0.00	0.13	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	45.67	2.67	0.00	0.00	0.00	0.00	0.00	23.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	93.73	8.90	0.00	0.00	0.00	0.00	0.00	689.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.21	2.37	0.04	0.00	0.28	630.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	47.46	4.51	0.00	0.00	0.00	0.00	0.00	349.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	1.40	0.02	0.00	0.16	394.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	29.73	2.82	0.00	0.00	0.00	0.00	0.00	218.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	8.71	0.13	0.00	0.85	622.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	813.69	77.26	0.00	0.00	0.00	0.00	0.00	5983.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.64	7.32	0.11	0.00	1.52	2818.00	0.00
750	Motorcycles (MCY)	4879.12	704.56	0.00	0.00	0.00	0.00	0.00	3037.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.33	0.00	0.00	0.13	0.00	0.00
760	Diesel Urban Buses (UB)	1770.12	168.08	0.00	0.00	0.00	0.00	0.00	13016.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.45	0.01	0.00	0.08	38.00	0.00
762	Gas Urban Buses (UB)	9.50	1.04	0.00	0.00	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.42	0.01	0.00	0.04	0.00	0.00
771	Gas School Buses (SB)	32.71	2.21	0.00	0.00	0.00	0.00	0.00	17.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.84	0.01	0.00	0.07	0.00	0.00
772	Diesel School Buses (SB)	11.25	1.07	0.00	0.00	0.00	0.00	0.00	82.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.51	0.02	0.00	0.13	128.00	0.00
777	Gas Other Buses (OB)	67.07	5.51	0.00	0.00	0.00	0.00	0.00	24.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.66	0.01	0.00	0.07	0.00	0.00
778	Motor Coaches	5.48	0.52	0.00	0.00	0.00	0.00	0.00	40.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.32	0.00	0.00	0.03	66.00	0.00
779	Diesel Other Buses (OB)	1.96	0.19	0.00	0.00	0.00	0.00	0.00	14.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.59	0.01	0.00	0.06	64.00	0.00
780	Motor Homes (MH)	14.66	0.92	0.00	0.00	0.00	0.00	0.00	24.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.52	0.01	0.00	0.06	90.00	0.00
Total On-Road Motor Vehicles		21953.11	2385.75	0.00	0.00	0.00	0.00	0.00	28707.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	16.15	179.04	2.79	0.00	27.78	5306.00	0.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	734.45	69.74	0.00	0.00	0.00	0.00	0.00	5400.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.03	0.18	0.04	0.00	0.34	11196.00	0.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	217.08	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	77.31	2.00	0.00	0.00	0.00	0.00	0.00	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	12115.92	2671.29	0.00	0.00	0.00	0.00	0.00	16895.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.38	19.63	0.02	0.00	19.08	9458.00	0.00
870	Farm Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	302.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		13446.94	2743.31	0.00	0.00	0.00	0.00	0.00	22303.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.41	19.81	0.06	0.00	19.42	20654.00	0.00
Total Stationary and Area Sources		9397.84	11125.60	0.04	45.93	4.26	3.60	24.35	39784.76	106250.03	6664.52	17.44	2675.43	0.00	13.27	10.71	53.43	18.91	64.73	17.90	0.15	431.73	448.96	0.00
Total On-Road Vehicles		21953.11	2385.75	0.00	0.00	0.00	0.00	0.00	28707.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	16.15	179.04	2.79	0.00	27.78	5306.00	0.00
Total Other Mobile		13446																						

2029 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	74.36	2.70	0.00	0.00	0.00	0.00	0.00	4399.64	0.00	0.00	0.00	0.00	0.00	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97
20	Cogeneration	10.54	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	1877.42	8.97	0.00	0.00	0.00	0.00	0.00	10994.56	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.12	0.00	6.04	0.06	0.00	2.07	0.00
52	Food and Agricultural Processing	26.52	22.12	0.00	0.00	0.00	0.00	0.00	187.22	0.00	0.00	0.00	0.00	0.00	3.72	0.00	0.55	0.01	1.19	0.21	0.01	1.00	0.00
60	Service and Commercial	3948.11	8.63	0.00	0.00	0.17	0.09	0.00	8480.75	0.32	0.00	0.05	0.00	0.00	0.59	0.00	0.03	0.00	2.63	0.03	0.00	0.99	0.00
99	Other (Fuel Combustion)	93.41	31.07	0.00	0.00	4.26	2.27	0.00	5445.29	1.92	0.00	1.43	0.00	0.00	1.09	0.02	0.02	15.59	1.54	0.01	0.00	0.04	448.00
Total Fuel Combustion		6030.75	73.49	0.00	0.00	4.43	2.36	0.00	29508.71	2.24	0.00	1.48	0.00	0.00	11.08	0.02	0.72	15.60	11.57	0.31	0.01	4.10	448.97
Waste Disposal																							
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	29.07	0.00	0.01	0.00	0.00	1.36	0.00	0.00	40.71	20.74	15.38	12.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	1.19	0.00	0.00	0.00	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		30.26	0.00	0.01	0.00	0.00	1.36	0.00	2.62	40.71	20.74	15.38	12.43	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.01	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85321.01	2712.00	0.00	393.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.68	2.97	2.96	0.00	0.00	0.06	0.00
240	Printing	0.00	0.00	0.00	25.32	0.00	0.00	25.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	232.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.23	0.00	0.00	0.00	0.00	0.00	0.00	3.71	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	1.17	0.00
Total Cleaning and Surface Coatings		12.94	0.00	0.00	25.32	0.00	0.00	25.32	3.74	85553.92	2712.00	1.00	393.84	0.00	0.00	0.00	28.68	3.45	2.96	0.00	0.00	1.23	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	2.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	388.86	6.68	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	1.83	0.00	0.00	0.00	0.00	0.00	0.00	193.91	9.19	0.31	0.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		409.60	6.68	0.00	0.00	0.00	0.00	0.00	193.91	9.76	0.89	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes																							
410	Chemical	2027.66	11382.80	0.00	21.84	0.00	0.00	0.00	1205.87	1.00	0.00	0.00	15.83	0.00	0.00	0.00	4.37	0.04	4.37	0.00	0.00	0.52	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	4.96	0.00	0.00	0.00	0.00	0.00	0.00	10.61	0.00	0.00	0.00	0.00	0.00	0.07	0.00	3.43	0.00	0.00	0.00	0.00	54.24	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.22	0.02	7.28	2.60	0.16	122.79	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	0.58	0.00	0.00	0.00	0.00	0.00	0.00	723.93	178.73	607.80	0.00	70.71	0.00	0.01	0.00	0.01	0.27	1.84	0.00	0.00	0.04	0.00
Total Industrial Processes		2033.21	11382.80	0.00	21.84	0.00	0.00	0.00	1940.41	179.73	607.80	0.00	86.54	0.00	0.08	0.00	17.03	0.33	13.49	2.60	0.16	177.59	0.00
Solvent Evaporation																							
510	Consumer Products	0.09	0.00	0.03	0.00	0.00	0.00	0.00	32.56	26581.17	3530.88	0.00	2294.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	326.49	110.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	14.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		14.65	0.00	0.03	0.00	0.00	0.00	0.00	32.56	26907.66	3641.14	0.00	2294.54	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2029 Toxic Emissions by Major Source Category in East LA, Boyle Heights, West Commerce (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	672.41	0.00	0.00	0.00	0.00	0.00	0.00	6609.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.05	8.41	1.06	0.00	1.42	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.69	0.00	15.98	4.60	0.00	150.83	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.00	8.47	9.18	0.00	87.54	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.18	0.07	0.00	0.63	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.00
660	Fires	0.00	40.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.01	0.00	0.36	0.00
670	Waste Burning and Disposal	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	94.05	118.98	0.00	0.00	0.00	0.00	0.00	1786.38	0.00	0.00	0.00	0.00	0.00	2.34	0.00	0.26	0.00	4.69	0.26	0.00	20.42	0.00	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		766.46	159.82	0.00	0.00	0.00	0.00	0.00	8395.99	0.00	0.00	0.00	0.00	0.00	2.34	10.82	8.48	0.05	37.75	15.18	0.00	261.29	0.00	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	4428.85	454.66	0.00	0.00	0.00	0.00	0.00	1534.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	8.02	89.08	1.38	0.00	13.42	146.00	0.00
722	Light Duty Trucks 1 (T1)	752.29	60.18	0.00	0.00	0.00	0.00	0.00	231.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.66	7.34	0.11	0.00	1.16	14.00	0.00
723	Light Duty Trucks 2 (T2)	2911.31	272.01	0.00	0.00	0.00	0.00	0.00	941.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	3.15	34.93	0.54	0.00	5.35	18.00	0.00
724	Medium Duty Trucks (T3)	1868.10	178.85	0.00	0.00	0.00	0.00	0.00	655.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.74	19.34	0.30	0.00	2.96	62.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	220.12	9.51	0.00	0.00	0.00	0.00	0.00	38.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	1.65	0.03	0.00	0.19	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	65.73	3.41	0.00	0.00	0.00	0.00	0.00	13.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.07	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	92.52	8.41	0.00	0.00	0.00	0.00	0.00	33.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.33	0.02	0.00	0.14	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	40.37	2.42	0.00	0.00	0.00	0.00	0.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.01	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	97.89	9.29	0.00	0.00	0.00	0.00	0.00	719.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.24	2.67	0.04	0.00	0.32	572.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	51.19	4.86	0.00	0.00	0.00	0.00	0.00	376.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.14	1.60	0.03	0.00	0.18	442.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	35.74	3.39	0.00	0.00	0.00	0.00	0.00	262.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	9.81	0.15	0.00	0.95	710.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	1015.51	96.42	0.00	0.00	0.00	0.00	0.00	7467.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.75	8.51	0.13	0.00	1.77	3232.00	0.00
750	Motorcycles (MCY)	5049.51	724.52	0.00	0.00	0.00	0.00	0.00	3134.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.34	0.00	0.00	0.13	0.00	0.00
760	Diesel Urban Buses (UB)	1583.03	150.31	0.00	0.00	0.00	0.00	0.00	11640.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.37	0.01	0.00	0.07	28.00	0.00
762	Gas Urban Buses (UB)	10.59	1.21	0.00	0.00	0.00	0.00	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.45	0.01	0.00	0.05	0.00	0.00
771	Gas School Buses (SB)	39.21	2.65	0.00	0.00	0.00	0.00	0.00	20.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.00	0.02	0.00	0.08	0.00	0.00
772	Diesel School Buses (SB)	9.24	0.88	0.00	0.00	0.00	0.00	0.00	67.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.54	0.02	0.00	0.13	92.00	0.00
777	Gas Other Buses (OB)	64.74	5.26	0.00	0.00	0.00	0.00	0.00	21.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.69	0.01	0.00	0.07	0.00	0.00
778	Motor Coaches	7.08	0.67	0.00	0.00	0.00	0.00	0.00	52.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.01	0.00	0.04	76.00	0.00
779	Diesel Other Buses (OB)	2.40	0.23	0.00	0.00	0.00	0.00	0.00	17.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.66	0.01	0.00	0.07	74.00	0.00
780	Motor Homes (MH)	8.75	0.60	0.00	0.00	0.00	0.00	0.00	22.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.53	0.01	0.00	0.06	70.00	0.00
Total On-Road Motor Vehicles		18354.17	1989.74	0.00	0.00	0.00	0.00	0.00	27276.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	16.46	182.97	2.84	0.00	27.22	5536.00	0.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	631.76	59.99	0.00	0.00	0.00	0.00	0.00	4645.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.03	0.16	0.04	0.00	0.29	9694.00	0.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.64	0.06	0.00	0.00	0.00	0.00	0.00	4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00
840	Recreational Boats	196.83	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	73.45	1.98	0.00	0.00	0.00	0.00	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	12366.72	2735.73	0.00	0.00	0.00	0.00	0.00	17054.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.38	20.19	0.01	0.00	19.60	6640.00	0.00
870	Farm Equipment	0.51	0.08	0.00	0.00	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	268.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		13538.26	2798.10	0.00	0.00	0.00	0.00	0.00	21714.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.41	20.35	0.05	0.00	19.89	16338.00	0.00
Total Stationary and Area Sources		9297.86	11622.79	0.04	47.16	4.43	3.72	25.32	40077.94	112694.02	6982.57	17.87	2789.13	0.00	13.52	10.85	55.13	19.42	65.79	18.09	0.16	444.21	448.97	0.00
Total On-Road Vehicles		18354.17	1989.74	0.00	0.00	0.00	0.00	0.00	27276.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	16.46	182.97	2.84	0.00	27.22	5536.00	0.00
Total Other Mobile		13538.26	2																					

---

# APPENDIX 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 4: Enforcement

### Authority and Legal Right to Issue Violations and Penalties

~~CARB and South Coast AQMD both have authority to conduct inspections of alleged air pollution sources, and the right to issue violations that can lead to civil and criminal penalties. CARB civil penalties can be up to \$250,000 per day; South Coast AQMD civil penalties can be up to \$75,000 per day for individuals and up to \$1,000,000 per day for corporations.<sup>i</sup> In cases with potential criminal violations, South Coast AQMD's Office of Compliance and Enforcement (OCE) may refer matters to federal, state, and local prosecuting agencies. Inspection warrants also may be obtained if necessary when access to facilities or potential emissions sites is denied.~~

### South Coast AQMD Hearing Board

CARB and South Coast AQMD both have authority to conduct inspections of alleged air pollution sources, and the right to issue notices of violations that can lead to civil and criminal penalties. Civil penalties can be up to \$25,000 per day for individuals and up to \$1,000,000 per day for corporations.<sup>ii</sup> In cases with potential criminal violations, South Coast AQMD may refer matters to federal, state, and local prosecuting agencies. Inspection warrants also may be obtained if necessary when access to facilities or potential emissions sites is denied.

The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances and to order business to take specific actions to come into compliance with regulations. As state law requires, Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board.

The Hearing Board is authorized to hear:

- Petitions by companies for variances.
- Petitions for abatement orders. An abatement order requires a company operating out of compliance to take specific actions or to shut down its operation. This is a severe remedy normally reserved for serious violations.
- Appeals by companies regarding granting of permits, permit conditions, permit denials and suspensions, denials of emission reduction credits, and denials of pollution control plans.
- Appeals by third parties.

<sup>i</sup> Fines and penalties are cited at the maximum amounts for willful and intentional emissions of air contaminants that results in great bodily harm or death. CARB: [www.arb.ca.gov/enf/policy2017/final\\_enforcement\\_policy\\_october2017.pdf](http://www.arb.ca.gov/enf/policy2017/final_enforcement_policy_october2017.pdf)  
South Coast AQMD: [www.aqmd.gov/nav/about/authority/enforcement](http://www.aqmd.gov/nav/about/authority/enforcement)

<sup>ii</sup> Fines and penalties are cited at the maximum amounts for willful and intentional emissions of air contaminants that results in great bodily harm or death. See Health and Safety Code § 42402.3(c); CARB website, [www.arb.ca.gov/enf/policy2017/final\\_enforcement\\_policy\\_october2017.pdf](http://www.arb.ca.gov/enf/policy2017/final_enforcement_policy_october2017.pdf); South Coast AQMD website, [www.aqmd.gov/nav/about/authority/enforcement](http://www.aqmd.gov/nav/about/authority/enforcement).

The Hearing Board is not authorized to:

- Modify rules.
- Exempt a business from complying with a rule.
- Grant a variance from a violation of the public nuisance law, such as one that creates an odor problem or threatens public health or property.
- Review a violation notice in any way.

After hearing all sides of a case in which individuals or companies come into conflict with South Coast AQMD rules, the Hearing Board weighs the evidence and reaches a decision.

The following sections contain information regarding the compliance histories of facilities regulated by South Coast AQMD and CARB in this community. South Coast AQMD's section includes a list of all active facilities with active or expired permits, a summary of all complaints received, a list of all inspections conducted, and a list of all enforcement actions taken. CARB's section includes: lists of individual field inspections in 2016, 2017, 2018 and an enforcement activities map. The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances. As state law requires, Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board.

The Hearing Board is authorized to hear:

- Petitions by companies for variances.
- Petitions for abatement orders. An abatement order requires a company operating out of compliance to take specific actions or to shut down its operation. This is a severe remedy normally reserved for serious violations.
- Appeals by companies from the regarding granting of permits, permit conditions, permit denials and suspensions, denials of emission reduction credits, and denials of pollution control plans.
- Appeals by third parties.

The Hearing Board is not authorized to:

- Modify rules.
- Exempt a business from complying with a rule.
- Grant a variance from a violation of the public nuisance law, such as one that creates an odor problem or threatens public health or property.
- Review a violation notice in any way.

After hearing all sides of a case in which individuals or companies come into conflict with South Coast AQMD rules, the Hearing Board weighs the evidence and reaches a decision.

South Coast AQMD Compliance History in ELA<sup>BHWC</sup>, January 2016 to December 2018

## List of All Active Facilities with Active or Expired Permits

This table contains all of the facilities that are considered active and have valid or expired permits. Expired permits are included to ensure that any facilities that are still in operation but had not paid fees at the time of the query were still included.

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
4283929 DELAWARE, LLC	188631	3537 E 16TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	337121	Upholstered Household Furniture Manufacturing
7-ELEVEN	178168	5530 VALLEY BLVD LOS ANGELES 90032	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	517919	All Other Telecommunications
7-ELEVEN #33459/KYUNG KIM	145406	5536 E WASHINGTON BLVD COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores
901 CORPORATE CENTER, LP	150453	901 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	541120	Offices of Notaries
99 CENTS ONLY STORES	118523	4000 UNION PACIFIC AVE CITY OF COMMERCE 90023	TS-11 Industrial: Sector-based Inspections	452990	All Other General Merchandise Stores



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
99 CENTS ONLY STORES, K PHIPPS & J GOLD	103163	4040 NOAKES ST COMMERCE 90023	TS-11 Industrial: Sector-based Inspections	452990	All Other General Merchandise Stores
A & G WOODWORKING & FINISHING	175366	1452 S SUNOL DR LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332410	Power Boiler and Heat Exchanger Manufacturing
A 2 Z PLATING CO	176446	1467 S SUNOL DR LOS ANGELES 90023	TS-74 Toxics: Non-chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
A B ORNAMENTAL IRON WORKS	25520	3708 WHITTIER 3/4 BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332323	Ornamental and Architectural Metal Work Manufacturing
A&M POWDER	125402	1781 N INDIANA ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	331221	Rolled Steel Shape Manufacturing
A. TORRES TUXEDOS	126759	5167 WHITTIER BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ACCO ENGINEERED SYSTEMS	127547	3421 MALT AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811412	Appliance Repair and Maintenance
ACCURATE PLATING COMPANY	114536	2811 ALCAZAR ST LOS ANGELES 90033	TS-74 Toxics: Non-chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
ACME MADE IN AMERICA	170473	5340 HARBOR ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	541410	Interior Design Services
ACTIVAR COMPANIES INC,AIR LOUVERS/SAMSON	105191	6285 RANDOLPH ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	332321	Metal Window and Door Manufacturing
ADM MILLING CO	22826	1543 CALADA ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	311211	Flour Milling
ALL STAR PAINT AND BODY	181455	5150 E BEVERLY BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	444120	Paint and Wallpaper Stores

Appendix 4-5

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ALLIED FEATHER AND DOWN CORPORATION	181580	6510 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	339999	All Other Miscellaneous Manufacturing
ALLIED LITHO PRODUCTS	135989	3546 EMERY ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	339940	Office Supplies (except Paper) Manufacturing
ALPHA AUTHORIZING & MASTERING SERVICES, IN	172856	5739 RICKENBACKER RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	339910	Jewelry and Silverware Manufacturing
ALTA LOS ANGELES HOSPITALS INC, LA COMM	117978	4081 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	561499	All Other Business Support Services
ALTAMED HEALTH SVCS CORP	167625	2040 CAMFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	621111	Offices of Physicians (except Mental Health Specialists)
AMAZON.COM SERVICES, INC. - LAX6	183979	5119 DISTRICT BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	493110	General Warehousing and Storage

Appendix 4-6

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
AMBIANCE USA, INC	178316	2415 E 15TH ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
AMBIANCE USA, INC	178317	2465 E 15TH ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
AMCOR FLEXIBLES, INC.	165550	5416 UNION PACIFIC AVE COMMERCE 90022	TS-11 Industrial: Sector-based Inspections	326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
AMERI GAS DBA AMMEXX INC.	146504	3154 E OLYMPIC BLVD LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
AMERICA OIL COMPANY INC. NO. 11	178557	1535 N EASTERN AVE LOS ANGELES 90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	722513	Limited-Service Restaurants
AMERICAN FURNITURE RENTALS, INC	180602	3330 GARFIELD AVE COMMERCE 90040	#N/A	532299	Renting Consumer Goods and Products

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
AMERICAN INTEGRATED SERVICES, INC	188599	2717 S INDIANA ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	236220	Commercial and Institutional Building Construction
AMERICAN MARBLE & GRANITE CO	4914	4084 WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	327991	Cut Stone and Stone Product Manufacturing
AMERICAN RENOLIT CORPORATION LA	122741	6900 ELM ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
AMERICAN TOWER CORPORATION - COMMERCE CA	177232	2311 S EASTERN AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	541720	Research and Development in the Social Sciences and Humanities
AMTRAK (NATL RAILROAD PASSENGER CORP)	21345	2468 E 16TH ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs
AMTRAK NATL RAILROAD PASSENGER CORP	129988	2468 E 16TH ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
AMVAC CHEMICAL CORP	16865	4100 E WASHINGTON BLVD LOS ANGELES 90023	TS-56 Toxics: Toxic Stationary Source	325320	Pesticide and Other Agricultural Chemical Manufacturing
AMVAC CHEMICAL CORP	800320	4100 E WASHINGTON BLVD LOS ANGELES 90023	TS-56 Toxics: Toxic Stationary Source	325320	Pesticide and Other Agricultural Chemical Manufacturing
AMVAC CHEMICAL CORP, UNIT NO.03	85084	4100 E WASHINGTON BLVD LOS ANGELES 90023	TS-56 Toxics: Toxic Stationary Source	325320	Pesticide and Other Agricultural Chemical Manufacturing
ANGELL & GIROUX INC	2272	2727 E ALCAZAR ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	332439	Other Metal Container Manufacturing
ANODIZING INDUSTRIES, INC	174043	4677 WORTH ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
APRO LLC DBA UNITED OIL #134	177918	3915 E OLYMPIC AVE LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
APRO LLC DBA UNITED OIL #154	177963	705 N EASTERN LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
APRO LLC DBA UNITED OIL #183	177991	5200 E WHITTIER BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
ARAMARK UNIFORM SERVICES	59765	4422 E DUNHAM 4440 ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	812332	Industrial Launderers
ARCADIA INC	55208	3225 E WASHINGTON BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	331318	Other Aluminum Rolling, Drawing, and Extruding
ARCO #00191- NADA BOUTROS & GABY BOUTROS	151651	3401 E WHITTIER BLVD LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	453930	Manufactured (Mobile) Home Dealers
ARMAG OIL INC., VLADIMIR VARDANIAN	180592	300 S ATLANTIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Appendix 4-10

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ASCO SINTERING CO	45092	2750 GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	336390	Other Motor Vehicle Parts Manufacturing
ASHLAND SPECIALTY CHEMICAL COMPANY	23351	6608 E 26TH ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	325211	Plastics Material and Resin Manufacturing
ASSOCIATED READY MIXED CONCRETE INC	75513	2730 E WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	327320	Ready-Mix Concrete Manufacturing
ATK SPACE SYSTEMS INC	93049	6033 E BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	332313	Plate Work Manufacturing
ATLANTIC PETROLEUM, INC	180128	301 S ATLANTIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
ATLAS GALVANIZING CO	1633	2639 LEONIS BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
B & C PLATING CO	176448	1507 S SUNOL DR LOS ANGELES 90023	TS-74 Toxics: Non-chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
BAKER COMMODITIES INC	800016	4020 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	311613	Rendering and Meat Byproduct Processing
BANDINI TRUCK STOP CENTER, INC.	188335	3152 BANDINI BLVD VERNON 90058	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
BERNEY-KARP INC	70524	3320-50 E 26TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
BESTIA RESTAURANT	186459	2121 E 7TH PL LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	722511	Full-Service Restaurants
BNSF LOT 12	182001	4210 E 26TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	488510	Freight Transportation Arrangement

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BNSF RAILWAY COMPANY	153693	1799 INDUSTRIAL WAY LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	488510	Freight Transportation Arrangement
BNSF RAILWAY COMPANY	153788	4000 SHEILA ST COMMERCE 90023	TS-11 Industrial: Sector-based Inspections	541990	All Other Professional, Scientific, and Technical Services
BODYCOTE THERMAL PROCESSING	133525	2900 S SUNOL DR LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332811	Metal Heat Treating
BON APPETIT BAKERY	167755	4525 DISTRICT BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	311812	Commercial Bakeries
BON APPETIT BAKERY	183733	4700 ALCOA AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	311812	Commercial Bakeries
BONAMI, INC.	129105	1436 W WASHINGTON AVE MONTEBELLO 90640	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BOYLE GAS STATION, 4TH & 5 MART, INC.	160350	2005 E 4TH ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
BRADFORD COFFEE, LLC	131886	1607 PERRINO PL LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	311920	Coffee and Tea Manufacturing
BRENNTAG PACIFIC UP YARD	177615	3629 UNION PACIFIC AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	424690	Other Chemical and Allied Products Merchant Wholesalers
BRIDGE PUBLICATIONS, INC.	167153	5600 E OLYMPIC BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	511130	Book Publishers
BRITE PLATING CO INC	42645	1313 MIRASOL ST LOS ANGELES 90023	TS-75 Toxics: Chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
BRONZE-WAY POWDER COATING, INC	103097	3301 E 14TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332710	Machine Shops

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BROOKLYN MFG CO	4835	3285 CESAR CHAVEZ AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	311830	Tortilla Manufacturing
BROTMAN AUTO BODY	123114	392 S ATLANTIC BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
BURLINGTON NORTHERN & SANTA FE RAILWAY	179792	3960 E WASHINGTON BLVD VERNON 90058	TS-61 Toxics: VOC Soil Remediation	482111	Line-Haul Railroads
BURLINGTON NORTHERN SANTA FE (BNSF) RAIL	170624	4560 E 26TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	488510	Freight Transportation Arrangement
BURLINGTON NORTHERN SANTA FE (BNSF) RAIL	170625	3677 BANDINI BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	482111	Line-Haul Railroads
BURLINGTON NORTHERN SANTA FE RAILWAY	139770	4940 SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	482111	Line-Haul Railroads

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BURLINGTON NORTHERN/SANTA FE RAILWAY CO	109461	6300 E SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	482111	Line-Haul Railroads
BYER CALIFORNIA--ALFRED PAQUETTE DIVISIO	123386	1250 RIO VISTA LOS ANGELES 90023	TS-11 Industrial: Sector- based Inspections	315190	Other Apparel Knitting Mills
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD LOS ANGELES 90023	TS-75 Toxics: Chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
CAL ST UNIV LA	24006	5151 STATE UNIVERSITY DR LOS ANGELES 90032	TS-11 Industrial: Sector- based Inspections	611310	Colleges, Universities, and Professional Schools
CAL TRANS	28074	7314 E BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	237310	Highway, Street, and Bridge Construction
CAL-FRESH PRODUCE, INC	182704	5330 LINDBERGH LN BELL 90201	TS-11 Industrial: Sector- based Inspections	424480	Fresh Fruit and Vegetable Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CALIFORNIA COMMERCE CLUB INC	63779	6131 E TELEGRAPH RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	713990	All Other Amusement and Recreation Industries
CALIFORNIA COMMERCE CLUB INC	146683	6215 TELEGRAPH RD LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	713990	All Other Amusement and Recreation Industries
CALIFORNIA HIGHWAY PATROL	119778	1601 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
CALIFORNIA HOTEL PARTNERS, LLC	126710	6121 TELEGRAPH ROAD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	721120	Casino Hotels
CALIFORNIA TRANSPORTATION DYNAMICS	176681	1105 GREENWOOD AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	488210	Support Activities for Rail Transportation
CALIFORNIA WATER SERVICE CO	31367	5243 E SHEILA ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CALIFORNIA WATER SERVICE CO	123563	3317 S GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE CO	170338	2000 S TUBEWAY AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
CALIFORNIA WATER SERVICE CO	173123	5073 REPETTO AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE CO	173208	5740 FERGUSON DR COMMERCE 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	95558	1066 DEGARMO DR EAST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	95559	4326 HAUCK ST EAST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CALIFORNIA WATER SERVICE COMPANY	170661	5458 POMONA BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	170663	1444 S MCDONNELL AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	170665	2210 S ATLANTIC BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	170666	5007 TELEGRAPH RD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	170667	6484 TELEGRAPH RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALIFORNIA WATER SERVICE COMPANY	170668	4541 DUNHAM ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CALIFORNIA WATER SERVICE COMPANY	170669	4540 E WASHINGTON BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
CALMAT CO	107655	2715 E WASHINGTON BLVD LOS ANGELES 90023	TS-04 Cycle II RECLAIM/Non-Title V Facility	324121	Asphalt Paving Mixture and Block Manufacturing
CALTRANS - EAST LOS ANGELES MAINTENANCE	118578	4425 3 RD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811198	All Other Automotive Repair and Maintenance
CALTRANS, COMMERCE MAINT STATION	25368	7300 E BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	237310	Highway, Street, and Bridge Construction
CAMINO REAL CHEVROLET	144247	2401 S ATLANTIC BLVD MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	441110	New Car Dealers
CAMINO REAL FOODS INC	86101	2638 E VERNON AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	311412	Frozen Specialty Food Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CARDLOCK FUELS SYSTEM, INC	103651	2655 E OLYMPIC BLVD LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	424710	Petroleum Bulk Stations and Terminals
CARLS JR #212	186531	1751 S SOTO ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	722513	Limited-Service Restaurants
CARLS JR #337	186533	5501 TELEGRAPH RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	722511	Full-Service Restaurants
CARLS JR #422	186535	2320 E 4TH ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	722513	Limited-Service Restaurants
CARL'S JR #7372, SR. CLASSIC LEASING,LLC	128522	5633 N WHITTIER BLVD LOS ANGELES 90022	TS-31 Area Sources: Rule 222 Equipment	722513	Limited-Service Restaurants
CARL'S JR #7489, SR CLASSIC LEASING, LLC	128475	1231 W AVENIDA CESAR CHAVEZ MONTEREY PARK 91754	TS-31 Area Sources: Rule 222 Equipment	722511	Full-Service Restaurants

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CARL'S JR RESTAURANT, LLC	64008	1751 SOTO ST LOS ANGELES 90023	TS-31 Area Sources: Rule 222 Equipment	722513	Limited-Service Restaurants
CARL'S JR, #422, CARL KARCHER ENT.	164588	2320 E 4TH ST LOS ANGELES 90033	TS-12 Industrial Sources - Out of Business and Change of Ownership	722511	Full-Service Restaurants
CARL'S JR, NON TRADITIONAL FOODS, LLC	136312	5151 STATE UNIVERSITY DR LOS ANGELES 90032	TS-30 Area Sources: Charbroilers	722513	Limited-Service Restaurants
CCA CORPORATION CENTER LLC	140330	5770 S EASTERN AVE CITY OF COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
CCR MARKET EQUIP & FIXTURES	141434	3535 E PICO BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	445110	Supermarkets and Other Grocery (except Convenience) Stores
CELLUPHONE INC.	145311	6119 WASHINGTON BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	423690	Other Electronic Parts and Equipment Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CEMEX CONSTRUCTION MATERIALS PACIFIC, LL	183863	5091 RICKENBACKER RD BELL 90201	TS-11 Industrial: Sector-based Inspections	423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
CENTENE CORPORATION	185643	3302 GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	446110	Pharmacies and Drug Stores
CENTER THEATRE GROUP	146064	2856 E 11TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	315280	Other Cut and Sew Apparel Manufacturing
CENTERRA INTEGRATED SERVICES	166362	1104 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	541990	All Other Professional, Scientific, and Technical Services
CENTRAL BASIN MUNICIPAL WATER DISTRICT	155200	6252 TELEGRAPH RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
CENTRAL JUVENILE HALL (BOYS)	127765	1601 EASTLAKE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	922140	Correctional Institutions

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CENTRAL JUVENILE HALL (GIRLS)	127764	1601 EASTLAKE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	922140	Correctional Institutions
CERAMIC DECORATING CO INC	559	4651 SHEILA ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	561910	Packaging and Labeling Services
CERTIFIED ENAMELING INC	800380	3340-42 EMERY ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
CHAVEZ POLLO AND BURGERS	180843	2057 CESAR E CHAVEZ LOS ANGELES 90033	TS-30 Area Sources: Charbroilers	722513	Limited-Service Restaurants
CHROMAL PLATING CO	6616	1748 N WORKMAN ST LOS ANGELES 90031	TS-75 Toxics: Chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
CHURCH OF SCIENTOLOGY INTERNATIONAL	162173	6130 E SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	813110	Religious Organizations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CITADEL OUTLETS, CRAIG REALTY GROUP	170636	100 CITADEL DR COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	531210	Offices of Real Estate Agents and Brokers
CITY OF COMMERCE	71042	7210 DOMINION CIR COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices
CITY OF COMMERCE	180425	5940 SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs
CITY OF COMMERCE EMERGENCY OPERATIONS CE	173702	5639 JILLSON ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices
CITY OF COMMERCE FUTERNICK DUMP	131598	7025 E SLAUSON AVE CITY OF COMMERCE 90040	TS-56 Toxics: Toxic Stationary Source	921110	Executive Offices
CITY OF COMMERCE, TRANSPORTATION DEPT	143022	5625 JILLSON ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CITY OF L A- BUREAU OF SANITATION - WCSD	169194	651 S MISSION RD LOS ANGELES 90023	TS-58 Toxics: POTW Lift Stations	562212	Solid Waste Landfill
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	61980	1164 DACOTAH ST (PP # 606, ATF # 815) LOS ANGELES 90023	TS-58 Toxics: POTW Lift Stations	562219	Other Nonhazardous Waste Treatment and Disposal
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	64912	2264 Highbury Ave (PP #604) LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	562219	Other Nonhazardous Waste Treatment and Disposal
CITY OF LA/BOS, WASTEWATER COLL SYS DIV	143932	886 N MISSION RD ATF # 813 LOS ANGELES 90023	TS-58 Toxics: POTW Lift Stations	924110	Administration of Air and Water Resource and Solid Waste Management Programs
CLASSIC CONCEPTS	179065	4651 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	423220	Home Furnishing Merchant Wholesalers
CLW PLASTIC BAGS MANUFACTURING COMPANY	120172	1508 N KNOWLES AVE LOS ANGELES 90063	TS-12 Industrial Sources - Out of Business and Change of Ownership	322220	Paper Bag and Coated and Treated Paper Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
COAST PACKING CO	13126	3275 E VERNON AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	311225	Fats and Oils Refining and Blending
COMM HOSP OF LA	16598	4081 E OLYMPIC BLVD LOS ANGELES 90023	TS-12 Industrial Sources - Out of Business and Change of Ownership	561499	All Other Business Support Services
COMMAND PACKAGING	106151	3840 E 26TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
COMMERCE INDUSTRIAL PARK, LLC	152877	2400 YATES AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
COMMERCE PETRO FUEL, LLC, R&L SARABI, DBA	129550	2445 RALPH LIEBERMAN COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	813910	Business Associations
COMMERCIAL SANDBLAST CO	23500	2678 E 26TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CONTAINER RECYCLING ALLIANCE	117118	3211 E 26TH ST VERNON 90023	TS-11 Industrial: Sector-based Inspections	423930	Recyclable Material Merchant Wholesalers
CONTINENTAL VITAMIN COMPANY, INC.	184119	4510 S BOYLE AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	325412	Pharmaceutical Preparation Manufacturing
COSME LA	188321	2132 E 7TH PL LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	541611	Administrative Management and General Management Consulting Services
COSTCO WHOLESALE CORP.	152158	6340 E WASHINGTON BLVD COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	452910	Warehouse Clubs and Supercenters
COUNTY OF LA , INTERNAL SERVICE DEPT.	155118	1102 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	921190	Other General Government Support
COUNTY OF LOS ANGELES FIRE DEPARTMENT	187929	1104 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CULINARY INTERNATIONAL, LLC	187110	3280 E 44TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	311999	All Other Miscellaneous Food Manufacturing
CUMMINS SERV & SALES	11666	1105 GREENWOOD AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	488999	All Other Support Activities for Transportation
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	4105 BANDINI BLVD VERNON 90023	TS-11 Industrial: Sector-based Inspections	311613	Rendering and Meat Byproduct Processing
D&J CUSTOM BENCHWORKS	178233	655 S ANDERSON ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	337110	Wood Kitchen Cabinet and Countertop Manufacturing
D&J PRINTING INC	182460	4005 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
D.N. & E. WALTER & COMPANY INC	134540	4505 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	531120	Lessors of Nonresidential Buildings (except Miniwarehouses)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
D/K ENVIRONMENTAL	16407	3650 E 26TH ST VERNON 90058	TS-87 Ref/Energy: Re-refiners	324191	Petroleum Lubricating Oil and Grease Manufacturing
DANFIELD INC	102031	6401 FLOTILLA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	316110	Leather and Hide Tanning and Finishing
DARLING INGREDIENTS INC.	63180	2626 E 25TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	311613	Rendering and Meat Byproduct Processing
DART WAREHOUSE	178358	1430 S EASTMAN AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	493110	General Warehousing and Storage
DAVALAN SALES, THE BANANA CO., DBA	138488	2160 E 7TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	424480	Fresh Fruit and Vegetable Merchant Wholesalers
DAVID H. FELL & CO INC	77891	6009 BANDINI BLVD COMMERCE 90040	TS-56 Toxics: Toxic Stationary Source	331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
DEAMCO CORPORATION	99248	6520 E WASHINGTON BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	333922	Conveyor and Conveying Equipment Manufacturing
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	7301 E SLAUSON AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs
DEPENDABLE HIGHWAY EXPRESS	100733	2555 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	484121	General Freight Trucking, Long-Distance, Truckload
DESK MAKERS INC.	146617	6526 FLOTILLA ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	423830	Industrial Machinery and Equipment Merchant Wholesalers
DISTRIBUTORS UNLIMITED	69586	1205 DATE ST MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	481111	Scheduled Passenger Air Transportation
DKS STEEL DOOR & FRAME SYSTEMS, INC	175382	2212 TUBEWAY AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	444110	Home Centers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
DOHENY EYE INSTITUTE	89287	1355 SAN PABLO ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	541720	Research and Development in the Social Sciences and Humanities
DURANS BODY SHOP, INC	303	4605 E 3RD ST EAST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
E AND J WOOD FINISH	189177	1100 S VAIL AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	321114	Wood Preservation
EAST LOS ANGELES COLLEGE	13854	1301 AVENIDA CESAR CHAVEZ MONTEREY PARK 91754	TS-05 Title V (only) Facility	611210	Junior Colleges
EAST LOS ANGELES COLLEGE HEALTH SERVICES	165805	1055 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	522310	Mortgage and Nonmortgage Loan Brokers
EAST LOS ANGELES COURTHOUSE JCC/AOC	172302	214 S FETTERLY LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	922130	Legal Counsel and Prosecution

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
EAST LOS ANGELES DOCTORS HOSPITAL	48910	4060 WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
EASTERN AVE HILL COMPLEX EROSION & DRAIN	167717	1060 N EASTERN AVE LOS ANGELES 90063	TS-51 Toxics: Landfills, other	922120	Police Protection
EDCO, INC.	27209	5050 E OLYMPIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	562212	Solid Waste Landfill
EDMUND D EDELMAN CHILDRENS COURT JCC/AOC	167186	201 CENTRE PLAZA DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	922110	Courts
EFRAIN MONTANEZ	188857	4200 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	561990	All Other Support Services
EL POLLO LOCO	137839	5160 E OLYMPIC BLVD LOS ANGELES 90022	TS-31 Area Sources: Rule 222 Equipment	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
EL POLLO LOCO #3504, WKS RESTAURANT CORP	164158	5151 STATE UNIVERSITY DR LOS ANGELES 90032	TS-30 Area Sources: Charbroilers	611310	Colleges, Universities, and Professional Schools
EL POLLO LOCO #5322	64480	1224 S SOTO ST LOS ANGELES 90023	TS-31 Area Sources: Rule 222 Equipment	722511	Full-Service Restaurants
ELITE COMFORT SOLUTIONS	182610	4542 E DUNHAM ST COMMERCE 90023	TS-11 Industrial: Sector-based Inspections	326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing
ELLIS PAINTS CO/PACIFIC COAST LACQUER	12900	3150 E PICO BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	424950	Paint, Varnish, and Supplies Merchant Wholesalers
EMILE'S MOBIL, EMILE KHEIR	171485	1166 S SOTO ST LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
ENGINEERED POLYMER SOLUTIONS INC	74060	5501 E SLAUSON AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	325211	Plastics Material and Resin Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ENTENMANN-ROVIN COMPANY	109071	2425 S GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	339910	Jewelry and Silverware Manufacturing
ERNEST PAPER PRODUCTS	139664	5777 SMITHWAY ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424130	Industrial and Personal Service Paper Merchant Wholesalers
EVERGREEN AUTOBODY SPECIALISTS, INC.	170058	2840 E CESAR CHAVEZ AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
EVERGREEN MEMORIAL SERVICES, INC.	188027	204 N EVERGREEN AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
EVONIK CORPORATION	183926	3305 E 26TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST COMMERCE 90040	TS-77 Toxics: Lead Stationary Sources	335911	Storage Battery Manufacturing



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST VERNON 90058	TS-77 Toxics: Lead Stationary Sources	335991	Carbon and Graphite Product Manufacturing
FAIRMOUNT TERRACE	181951	822 N HAZARD AVE LOS ANGELES 90063	TS-11 Industrial: Sector- based Inspections	531110	Lessors of Residential Buildings and Dwellings
FAIRMOUNT TERRACE	184317	4000 E FAIRMOUNT ST LOS ANGELES 90063	TS-11 Industrial: Sector- based Inspections	531210	Offices of Real Estate Agents and Brokers
FARMER BOYS RESTAURANT	177413	6315 TELEGRAPH RD COMMERCE 90040	TS-31 Area Sources: Rule 222 Equipment	533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
FAUSTINO LIMON'S CHAIR FACTORY INC	139932	2425 S MALT AVE COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	337211	Wood Office Furniture Manufacturing
FEDEX GROUND	180288	2600 E 28TH ST VERNON 90058	TS-11 Industrial: Sector- based Inspections	484121	General Freight Trucking, Long-Distance, Truckload

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
FELBRO, INC.	58842	3666 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	337215	Showcase, Partition, Shelving, and Locker Manufacturing
FINE ART SOLUTIONS, INC.	182881	3463 E 26TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	511199	All Other Publishers
FIX AUTO EAST LOS ANGELES	185891	4435 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
FIXCARNOW, INC.	171918	1235 S EASTERN AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811191	Automotive Oil Change and Lubrication Shops
FLAVURENCE CORPORATION	146284	1916 TUBEWAY AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	311930	Flavoring Syrup and Concentrate Manufacturing
FLEMING METAL FABRICATORS INC	23342	2810 S TANAGER AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	336211	Motor Vehicle Body Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
FLORES DESIGN	145690	4618 PACIFIC BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	337121	Upholstered Household Furniture Manufacturing
FOOTE AXLE & FORGE CO INC	4713	3954 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
FOOTE AXLE & FORGE LLC	186845	3954 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
FOUR STAR CHEMICAL, STARCO ENT., INC.	115647	3137 E 26TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	333249	Other Industrial Machinery Manufacturing
FOUR TEAMS OIL PROD AND EXP, INC	105190	5340 E JILLSON ST COMMERCE 90040	TS-15 Industrial: Crude Oil Production	211111	Crude Petroleum and Natural Gas Extraction
FRESENIUS MEDICAL CARE OF EAST L A	166767	5220 TELFORD ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	621492	Kidney Dialysis Centers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
FREUND BAKING COMPANY	112573	2050 TUBEWAY COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	311812	Commercial Bakeries
G & M OIL CO, LLC #191	158112	2301 S ATLANTIC BLVD MONTEREY PARK 91754	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
G & M OIL CO, LLC #51	105533	2155 S ATLANTIC COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
GARRETT IND SUPPLY CO	23757	6015 RANDOLPH ST COMMERCE 90040	TS-09 Non-inspection: Potential Inactivations (From TS 10)	423840	Industrial Supplies Merchant Wholesalers
GEHR IND, CENTURY WIRE & CABLE DIV	51952	7400 E SLAUSON COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	515210	Cable and Other Subscription Programming
GENERAL TRUCK BODY, INC	174049	1130 S VAIL AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	336211	Motor Vehicle Body Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
GLOBE IRON FOUNDRY INC	8927	5649 E RANDOLPH ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	331511	Iron Foundries
GOLD COAST INGREDIENTS, INC.	169101	2429 YATES AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424490	Other Grocery and Related Products Merchant Wholesalers
GOLDEN ST CASKET CO INC	8811	1705 N INDIANA ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	339995	Burial Casket Manufacturing
GOLDEN STATE ENTERPRISES, LLC	176414	1800 E 4TH ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	441310	Automotive Parts and Accessories Stores
GOLDEN STATE ENTERPRISES, LLC	176443	1171 S SOTO ST LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
GOLDEN STATE ENTERPRISES, LLC	176447	1848 MARENGO ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
GOLDEN WEST FOOD GROUP	176105	4401 S DOWNEY RD VERNON 90058	TS-11 Industrial: Sector-based Inspections	424470	Meat and Meat Product Merchant Wholesalers
GREAT AMERICAN PACKAGING INC	148107	4361 S SOTO ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	322220	Paper Bag and Coated and Treated Paper Manufacturing
GREEN FOR BLUE, INC	177063	4160 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	332323	Ornamental and Architectural Metal Work Manufacturing
GROVER PROD. CO (EIS USE)	800063	3424 E OLYMPIC BLVD LOS ANGELES 90023	TS-75 Toxics: Chrome Plating	336390	Other Motor Vehicle Parts Manufacturing
H&L HORVITZ REVOCABLE TRUST 9595 WILSHIR	184091	2939 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
HAKIMIANPOUR SANTA MONICA GROUP LLC	188663	5533 E WASHINGTON BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	722511	Full-Service Restaurants

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
HANNA SHELL, NASSIM B. HANNA	163548	1410 S SOTO ST LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
HEALTH CARE EMPLOYEES UNION LOCAL 399	142488	5480 FERGUSON DR LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	813930	Labor Unions and Similar Labor Organizations
HERITAGE CREMATORY	170041	3223 E PICO BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
HERNANDEZ DRY CLEANING SERVICES	170343	3857 WHITTIER BLVD # B LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	561790	Other Services to Buildings and Dwellings
HJB INC.	52089	4920 E WASHINGTON COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	325180	Other Basic Inorganic Chemical Manufacturing
HOLIDAY AUTO CENTER, LLC	179167	2222 WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
HOLLENBECK PALMS	21147	573 S BOYLE AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	623220	Residential Mental Health and Substance Abuse Facilities
HOLLIDAY ROCK CO., INC.	172413	2822 S SOTO ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	423320	Brick, Stone, and Related Construction Material Merchant Wholesalers
HP-A VERNON, LLC	180134	3501 E VERNON AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	424430	Dairy Product (except Dried or Canned) Merchant Wholesalers
HUHTAMAKI, INC.	10392	4209 E NOAKES LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	322219	Other Paperboard Container Manufacturing
HYE JUNG KIM	176634	1017 E WASHINGTON BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	444120	Paint and Wallpaper Stores
INDUSTRIAL SERVICE OIL CO INC	127047	1700 S SOTO ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	562920	Materials Recovery Facilities



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
INK SYSTEMS INC	151767	2311 S EASTERN AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	325910	Printing Ink Manufacturing
INKSOLUTIONS LLC	154129	5928 S GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	561499	All Other Business Support Services
INLAND COLD STORAGE	153185	3001 SIERRA PINE AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	484210	Used Household and Office Goods Moving
INLAND KENWORTH INC	135261	1600 W WASHINGTON BLVD MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	441110	New Car Dealers
INSUL-THERM INC	172628	6651 E 26TH ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	423330	Roofing, Siding, and Insulation Material Merchant Wholesalers
INTERNATIONAL PAPER	179129	5991 BANDINI BLVD LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	322211	Corrugated and Solid Fiber Box Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
IWORKS LLC	121522	2501 S MALT AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	337127	Institutional Furniture Manufacturing
JADO PROPERTIES	64652	5332 STEVENS PL COMMERCE 90040	TS-31 Area Sources: Rule 222 Equipment	722511	Full-Service Restaurants
JAN-AL INNERPRIZES, INC	61150	3339 UNION PACIFIC AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332439	Other Metal Container Manufacturing
JEFFERSON SMURFIT CORP,CONTAINER CORP AM	92056	5729 SMITHWAY ST COMMERCE 90040	TS-33 Area Sources: Rule 1411 Facilities (From TS 62)	322130	Paperboard Mills
JENNIFER & LUCY HOLDINGS, INC	183815	1600 N EASTERN AVE LOS ANGELES 90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	551112	Offices of Other Holding Companies
JESUS E.S.M.	146668	1151 WASHINGTON BLVD MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	813110	Religious Organizations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
JFC INTERNATIONAL, INC.	155190	7101 E SLAUSON AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	424490	Other Grocery and Related Products Merchant Wholesalers
JIM'S BURGERS	64929	3959 WHITTIER BLVD LOS ANGELES 90023	TS-31 Area Sources: Rule 222 Equipment	722513	Limited-Service Restaurants
JOE'S BODY SHOP	134274	939 S GOODRICH BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
JOSE AUTO BODY SHOP	138087	4445 TELEGRAPH RD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
JOSEPH T RYERSON AND SON INC	51417	4310 E BANDINI BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	423510	Metal Service Centers and Other Metal Merchant Wholesalers
JSL FOODS INC	136986	2222 1/2 DAVIE AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	311999	All Other Miscellaneous Food Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
JSL FOODS INTERNATIONAL	168523	1478 N INDIANA ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	311999	All Other Miscellaneous Food Manufacturing
JUAN'S BODY SHOP	46581	5607 WHITTIER BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	6250 E BANDINI BLVD LOS ANGELES 90040	TS-01 Cycle I RECLAIM/Title V Facility	331318	Other Aluminum Rolling, Drawing, and Extruding
KAISER FOUNDATION HEALTH PLAN INC	135	3355 E 26TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
KECK HOSPITAL OF USC	159449	1500 SAN PABLO ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
KENT H. LANDSBERG CO	11072	1640 S GREENWOOD AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	424130	Industrial and Personal Service Paper Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
KING MEAT SERVICE, INC.	181182	4215 EXCHANGE AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	424470	Meat and Meat Product Merchant Wholesalers
KING TACO RESTAURANT INC	128446	3421 14TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	722513	Limited-Service Restaurants
L A DESERET GRAIN STORAGE FACILITY	159642	2730 E 12TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	493130	Farm Product Warehousing and Storage
L A WASH RACK,	80826	4317 DOWNEY RD VERNON 90058	TS-11 Industrial: Sector-based Inspections	811192	Car Washes
L. C. HAWKINS CO	9988	3412 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811420	Reupholstery and Furniture Repair
LA BARCA TORTILLERIA	63222	3047 E WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	311830	Tortilla Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CITY DWP	76777	625 S MESQUIT LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	924110	Administration of Air and Water Resource and Solid Waste Management Programs
LA CITY, BUREAU OF SANITATION	61975	3716 UNION PACIFIC AVE LOS ANGELES 90023	TS-58 Toxics: POTW Lift Stations	562212	Solid Waste Landfill
LA CITY, DEPT GEN SERV	117374	786 MISSION RD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	924110	Administration of Air and Water Resource and Solid Waste Management Programs
LA CITY, DEPT OF GEN SERV	11	2222 E 7TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	488490	Other Support Activities for Road Transportation
LA CITY, DEPT OF GEN SERVICES	9386	2474-84 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	621210	Offices of Dentists
LA CITY, DEPT OF GEN SERVICES	12398	2513 E 24TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	488490	Other Support Activities for Road Transportation

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CITY, DEPT OF GEN SERVICES	31418	2111 E FIRST ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	621210	Offices of Dentists
LA CITY, DEPT OF GEN SERVICES	77904	2310 E 7TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	921190	Other General Government Support
LA CITY, DEPT OF GEN SERVICES, PIPER TEC	17069	555 RAMIREZ ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	924110	Administration of Air and Water Resource and Solid Waste Management Programs
LA CITY, DEPT OF PUBLIC WORKS, BUREAU OF S	116480	2474-84 OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs
LA CO - EASTERN AVE. MICROWAVE SITE	127779	1318 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	445110	Supermarkets and Other Grocery (except Convenience) Stores
LA CO METRO TRANSPORTATION AUTHORITY	159127	114 LORENA ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	485111	Mixed Mode Transit Systems

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO SANITATION DISTRICT	179488	207 N INDIANA ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	562212	Solid Waste Landfill
LA CO, FLOOD CONTROL DIST	12998	2275 ALCAZAR ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	924110	Administration of Air and Water Resource and Solid Waste Management Programs
LA CO, FORESTER & FIRE WARDEN	15255	1320 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	561990	All Other Support Services
LA CO, PROBATION	69699	1601 EASTLAKE AVE LOS ANGELES 90031	TS-11 Industrial: Sector-based Inspections	922150	Parole Offices and Probation Offices
LA CO. INTERNAL SERVICES DEPT	69781	1500 S MC DONNELL AVE COMMERCE 90022	TS-11 Industrial: Sector-based Inspections	922150	Parole Offices and Probation Offices
LA CO. ISD/NETWORK SERVICES DIVISION	593	1110 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	541860	Direct Mail Advertising



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO., DEPT OF PUBLIC WORKS (ROAD DEPT)	9237	4303-430 EUGENE ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs
LA CO., DEPT OF PUBLIC WORKS (ROAD DEPT)	13194	1525 ALCAZAR ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	237310	Highway, Street, and Bridge Construction
LA CO., DEPT. OF HEALTH SERVICES - ADMIN	68171	5555 FERGUSON DR LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	923120	Administration of Public Health Programs
LA CO., FIRE STA #27	70446	6031 RICKENBACKER RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	922160	Fire Protection
LA CO., FIRE STA #3	25649	930 S EASTERN AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	922160	Fire Protection
LA CO., INTERNAL SERVICES DEPT	18337	1100 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	921190	Other General Government Support

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO., ISD/VEHICLE SERVICES DIVISION	91775	1104 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	441310	Automotive Parts and Accessories Stores
LA CO., METROPOLITAN TRANS AUTHORITY	53610	470 E BAUCHET ST LOS ANGELES 90012	TS-05 Title V (only) Facility	485111	Mixed Mode Transit Systems
LA CO., METROPOLITAN TRANS AUTHORITY	53745	742 N MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	485111	Mixed Mode Transit Systems
LA CO., ROYBAL COMPREHENSIVE HEALTH CTR	45299	245 FETTERLY AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	621610	Home Health Care Services
LA CO., SHERIFF'S DEPT	7786	1060 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	813930	Labor Unions and Similar Labor Organizations
LA CO., SHERIFF'S DEPT	10134	4500 CITY TERRACE DR LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	922140	Correctional Institutions

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO., SHERIFF'S DEPT	29411	441 BAUCHET ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	922140	Correctional Institutions
LA CO., SHERIFF'S DEPT.	29550	5019 E 3RD ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
LA CO., SHERIFF'S DEPT.	31727	4850 E CIVIC CENTER WAY LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
LA CO., SHERIFF'S DEPT.	68436	1277 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
LA CO., SHERIFF'S DEPT.	80315	498 BAUCHET ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	922140	Correctional Institutions
LA CO., SHERIFF'S DEPT. HDQTRS	95052	4700 RAMONA BLVD MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	922120	Police Protection

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO., UNIV SO CAL MEDICAL CTR	35013	3301 E 1ST ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	561320	Temporary Help Services
LA COUNTY CENTRAL ARRAIGNMENT COURT	178065	429 BAUCHET ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	922110	Courts
LA COUNTY DEPARTMENT OF CORONER	174735	1104 N MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	923120	Administration of Public Health Programs
LA COUNTY ISD, DOROTHY KIRBY JUV. HALL	172925	1500 S MCDONNELL AVE COMMERCE 90022	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
LA COUNTY METROPOLITAN TRANSPORTATION A	165220	490-96 BAUCHET ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	485111	Mixed Mode Transit Systems
LA COUNTY MTA C/O ENV SERVS DEPT	92958	840 COMMERCIAL ST LOS ANGELES 90012	TS-57 Toxics: R203 VOC Extraction	485111	Mixed Mode Transit Systems

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA COUNTY SHERIFF'S DEPT	72346	450 BAUCHET ST LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
LA METRO TRANSP AUTH WESTSIDE SUBWAY EXT	189251	590 S SANTA FE AVE LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	485113	Bus and Other Motor Vehicle Transit Systems
LA ODD FELLOWS CEMETERY ASSOC	59	3640 WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
LA POSADA INC	140302	151 N SUNOL DR LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
LA REINA INC	17056	316 N FORD BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	311830	Tortilla Manufacturing
LA UNI SCH DIST, EVERGREEN ELEMENTARY	72861	2730 GANAHL ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA UNI SCH DIST, HOLLENBECK JUNIOR HIGH	71570	2510 E SIXTH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
LA UNI SCH DIST, STEVENSON MIDDLE SCHOOL	2119	725 S INDIANA ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
LA UNI SCH DIST, NEWMAN NUTRITION CENTER	72666	2310 CHARLOTTE ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	722330	Mobile Food Services
LA UNI SCH DIST; PEREZ SPECIAL EDU CTR	106472	4540 MICHIGAN AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
LA VENCEDORA PRODUCTS, INC	52420	3322 FOWLER ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	311919	Other Snack Food Manufacturing
LAC/USC MEDICAL CENTER	20197	1200 N STATE ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LAS ALTURAS RHF HOUSING, LLC	177341	3535 E WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
LAUSD/EAST LA STAR HIGH SCH ACADEMY	169619	319 N HUMPHREYS AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	611699	All Other Miscellaneous Schools and Instruction
LAX WHEEL REFINISHING INC	155794	3518 E 15TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
LEND LEASE TRUCKS INC.	63683	5733 SHEILA ST COMMERCE 90040	TS-12 Industrial Sources - Out of Business and Change of Ownership	485510	Charter Bus Industry
LIGHT ANNEX LLC	188605	2337 YATES AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	238190	Other Foundation, Structure, and Building Exterior Contractors
LINDA VISTA COMMUNITY HOSPITAL	53212	610 S ST LOUIS ST LOS ANGELES 90023	TS-12 Industrial Sources - Out of Business and Change of Ownership	622110	General Medical and Surgical Hospitals

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LONE STAR AUTOMOTIVE INC, PRO-BUILT DBA	138208	3316 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	423140	Motor Vehicle Parts (Used) Merchant Wholesalers
LORENA APARTMENTS, LP	170277	3327 E SABINA ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
LOS ANGELES CITY OF	77100	2172 E 7TH ST LOS ANGELES 90023	TS-32 Area Sources: Rule 1415 Facilities	921110	Executive Offices
LOS ANGELES CO SHERIFF DEPT/LA REGIONAL	146897	1800 PASEO RANCHO CASTILLA LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	922120	Police Protection
LOS ANGELES COUNTY, SHERIFF'S DEPARTMENT	97109	1275 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	624230	Emergency and Other Relief Services
LOS ANGELES LABEL CO	85801	2940 E OLYMPIC BLVD LOS ANGELES 90023	TS-12 Industrial Sources - Out of Business and Change of Ownership	424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LOS ANGELES PAPER BOX	183652	6027 S EASTERN AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	322211	Corrugated and Solid Fiber Box Manufacturing
LOWE TRUCKING COMPANY	43831	501 S MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	484121	General Freight Trucking, Long-Distance, Truckload
LUCKY GUY'S BURGERS INC, JOSE PULIDO	84064	2250 S ATLANTIC BLVD COMMERCE 90040	TS-30 Area Sources: Charbroilers	722513	Limited-Service Restaurants
LUCKY WELDING & IRON, SUNG CHANG, DBA	115034	1712 INDUSTRIAL WAY LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	331222	Steel Wire Drawing
LUSIVE DECOR, INC	167926	3400 MEDFORD ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	541690	Other Scientific and Technical Consulting Services
M&M AUTO SPA, INC.	152119	2740 E OLYMPIC BLVD LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	811192	Car Washes

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
M.T. MOTOR REPAIR	166220	5721 E WASHINGTON BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
MAC BRIDE AUTOMOTIVE SERVICES	148494	4625 E OLYMPIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	531210	Offices of Real Estate Agents and Brokers
MATRIX OIL CORP	182966	5901 TRIUMPH ST COMMERCE 90040	TS-15 Industrial: Crude Oil Production	211111	Crude Petroleum and Natural Gas Extraction
MB AUTOCRAFT	60801	4533 VALLEY BLVD LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
MERCADO MEXICO	139329	3554 E WHITTIER BLVD LOS ANGELES 90023	TS-30 Area Sources: Charbroilers	445210	Meat Markets
MERCURY PLASTICS, INC.	45203	2939 E WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	326199	All Other Plastics Product Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST LOS ANGELES 90023	TS-75 Toxics: Chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
METRO GAS COMPANY, INC.	167111	2925 E CESAR CHAVEZ AVE LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	221210	Natural Gas Distribution
MGM TRANSFORMER CO	6099	5701 SMITHWAY ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	335311	Power, Distribution, and Specialty Transformer Manufacturing
MILLER MILLING COMPANY, LLC	177510	5471 FERGUSON DR LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	311211	Flour Milling
MING YA BUDDHIST FOUNDATION OF LA	153261	4371 VALLEY BLVD LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	813410	Civic and Social Organizations
MISSION AUTO EXPRESS	138102	5014 VALLEY BLVD LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
MISSION FOODS CORPORATION	70649	5505 E OLYMPIC BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	311830	Tortilla Manufacturing
MISSION SERV INC	37784	401 S MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
MJ GLOBAL ENTERPRISE INC.	182214	3305 E VERNON AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	311422	Specialty Canning
MONARCH LITHO INC	73367	1501 DATE ST MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
MONOGRAM AEROSPACE FASTENERS	133358	3423 S GARFIELD AVE LOS ANGELES 90040	TS-74 Toxics: Non-chrome Plating	332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
MONTEREY PARK SHELL, AMINE KLAEB	165213	2291 S ATLANTIC BLVD MONTEREY PARK 91754	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
MOR-CAST ALUMINUM FOUNDRY	18244	2561 E 25TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	331524	Aluminum Foundries (except Die-Casting)
MOTION INDUSTRIES, INC.	61922	2041-5 SAYBROOK AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	423840	Industrial Supplies Merchant Wholesalers
NANKA SIEMEN CO, LLC	181534	3030 LEONIS BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
NASA SERVICES, INC.	175282	1100 S MAPLE ST MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	562211	Hazardous Waste Treatment and Disposal
NATIONAL PACKAGING PRODUCTS	166299	1900 S TUBEWAY AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	322212	Folding Paperboard Box Manufacturing
NATIONAL RAILROAD PASS CORP. (AMTRAK)	173695	2450 ENTERPRISE ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	926120	Regulation and Administration of Transportation Programs

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
NATIONAL READY MIXED CONCRETE CO.	184988	2626 E 26TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	444190	Other Building Material Dealers
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	1501 W WASHINGTON BLVD MONTEBELLO 90640	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores
NEW CENTURY SNACKS LLC	172776	5560 SLAUSON AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	311911	Roasted Nuts and Peanut Butter Manufacturing
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	121416	6045 E SLAUSON COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	443142	Electronics Stores
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	143492	1950 MARENGO ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	143541	5311 FERNFIELD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	443142	Electronics Stores

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
NICK'S TIRE & BRAKE SERVICE INC	89738	3152 BANDINI BLVD VERNON 90023	TS-11 Industrial: Sector-based Inspections	811198	All Other Automotive Repair and Maintenance
NONSTOP BODY SHOP	170737	4728 FLORAL DR LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)
OCTANE PLUS, INC. JACQUES MASSACHI	158096	6100 E WASHINGTON BLVD COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
OLD DOMINION FREIGHT LINES	77170	1225 W WASHINGTON BLVD MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	484121	General Freight Trucking, Long-Distance, Truckload
OLDCASTLE GLASS, LOS ANGELES	107975	5631 FERGUSON DR LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	423390	Other Construction Material Merchant Wholesalers
OLYMPIC DRY CLEANERS	174692	4539 OLYMPIC BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
OMNINET COMMERCE, LP	178594	5801 E SLAUSON AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	813910	Business Associations
OMNINET COMMERCE, LP	178595	5700 S EASTERN AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
OMNINET LACC, LLC	184599	900 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	524126	Direct Property and Casualty Insurance Carriers
OMNINET LACC, LLC	184600	1200 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	488510	Freight Transportation Arrangement
OMNINET LACC, LLC	184601	1000 CORPORATE CENTER DR SUITE 320 MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	488510	Freight Transportation Arrangement
ON TRAC	172931	5959 RANDOLPH ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	492110	Couriers and Express Delivery Services



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ONE SANTA FE	185807	300 S SANTA FE AVE LOS ANGELES 90013	TS-11 Industrial: Sector-based Inspections	238110	Poured Concrete Foundation and Structure Contractors
ONO FISHCAKE CO INC	78091	2017 CAMFIELD AVE COMMERCE 90040	TS-12 Industrial Sources - Out of Business and Change of Ownership	424460	Fish and Seafood Merchant Wholesalers
OSCAR'S FURNITURE REFINISHING, INC.	183205	5106 VALLEY BLVD LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	561990	All Other Support Services
OVERHILL FARMS INC	60812	3055 E 44TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	311412	Frozen Specialty Food Manufacturing
OVERHILL FARMS, INC	134985	2727 E VERNON AVE VERNON 90058	TS-11 Industrial: Sector-based Inspections	311412	Frozen Specialty Food Manufacturing
P. KAY METAL , INC.	72937	2448 E 25TH ST LOS ANGELES 90058	TS-77 Toxics: Lead Stationary Sources	423510	Metal Service Centers and Other Metal Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	4460 PACIFIC BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	322130	Paperboard Mills
PACER CARTAGE, INC.	155663	5800 E SHEILA ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	484110	General Freight Trucking, Local
PACIFIC BELL, AT&T CALIFORNIA, DBA	119852	3434 E FOURTH ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	517911	Telecommunications Resellers
PACIFIC MFG MGMT, INC DBA GRENEKER SOLUT	150233	3110 E 12TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	337215	Showcase, Partition, Shelving, and Locker Manufacturing
PACIFIC PALISADES LAND LLC	188539	3860 E 3RD ST LOS ANGELES 90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	525990	Other Financial Vehicles
PACIFIC WELDING & POWDER COATING	164813	4476 PACIFIC WAY COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PACKAGING CORPORATION OF AMERICA	121459	4240 BANDINI BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	322211	Corrugated and Solid Fiber Box Manufacturing
PAGODA EXPRESS	64569	2470 S ATLANTIC BLVD COMMERCE 90040	TS-31 Area Sources: Rule 222 Equipment	722511	Full-Service Restaurants
PAINTERS AND ALLIED TRADES DC 36	172908	1155 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	561110	Office Administrative Services
PARKER BOILER CO.	55087	5930 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	332410	Power Boiler and Heat Exchanger Manufacturing
PAWS PET CREMATION, LLC	174852	3537 E 16TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
PENNYCHRIS INC	109384	5243 E WASHINGTON BLVD COMMERCE 90040	TS-30 Area Sources: Charbroilers	722511	Full-Service Restaurants

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PENSKE TRUCK LEASING CO., LP	152312	1104 N EASTERN AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
PENTRATE METAL PROCESSING INC	9442	3517 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
PERRIN BERNARD SUPOWITZ INC	182041	5496 LINDBERGH LN BELL 90201	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
POLYCHEMIE, INC.	125595	4690 WORTH ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
POLY-LUX INC	16087	1500 S SPENCE ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	325510	Paint and Coating Manufacturing
PONCE'S BODY SHOP	179926	4248 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PORTER STREET WAREHOUSE	189166	2430 E PORTER ST LOS ANGELES 90021	TS-11 Industrial: Sector-based Inspections	453310	Used Merchandise Stores
PRECISION WIRE PRODUCTS INC	102481	6150 SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	332618	Other Fabricated Wire Product Manufacturing
PREFERRED FREEZER SERVICE OF LOS ANGELES	167883	3100 E WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	326111	Plastics Bag and Pouch Manufacturing
PREFERRED FREEZER SERVICES	186299	1400 LOS PALOS ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	493120	Refrigerated Warehousing and Storage
PREFERRED FREEZER SERVICES	187277	3820 UNION PACIFIC AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	493120	Refrigerated Warehousing and Storage
PREFERRED FREEZER SERVICES OF LB FWY LLC	149303	4901 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	423740	Refrigeration Equipment and Supplies Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PREFERRED FREEZER SERVICES OF WASH. BLVD	153658	3200 WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	326111	Plastics Bag and Pouch Manufacturing
PREFERRED MEALS	181347	5469 FERGUSON DR COMMERCE 90022	TS-11 Industrial: Sector-based Inspections	722310	Food Service Contractors
PRINTBUYER LLC	183513	4730 EASTERN AVE BELL 90201	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
PRINTCO GRAPHICS, INC	121712	2943 SUPPLY AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
PROGRESSIVE PRODUCE	172340	5790 PEACHTREE ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424480	Fresh Fruit and Vegetable Merchant Wholesalers
PROLOGIS	132400	6141 RANDOLPH ST COMMERCE 90040	TS-57 Toxics: R203 VOC Extraction	531110	Lessors of Residential Buildings and Dwellings

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PROLOGIS-CHARTWELL DIST CTR	175073	7030-705 E SLAUSON AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	541613	Marketing Consulting Services
PROPORTION FOODS, LLC	172630	3501 E VERNON 90058	TS-11 Industrial: Sector-based Inspections	311999	All Other Miscellaneous Food Manufacturing
PRUDENTIAL OVERALL SUPPLY CO	8560	6920 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	812332	Industrial Launderers
QUALITY ART INC	144452	3381 E OLYMPIC LOS ANGELES 90023	TS-12 Industrial Sources - Out of Business and Change of Ownership	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)
QUAN SERVICE CENTER, INC	180241	250 S ATLANTIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
R. W. INC, RECOATING WEST DBA	140517	1609 DATE ST MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	811420	Reupholstery and Furniture Repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
R.J. ACQUISITION CORP, THE AD ART CO	110534	3260 E 26TH ST VERNON 90023	TS-11 Industrial: Sector-based Inspections	323113	Commercial Screen Printing
R.W. ZANT COMPANY	113663	1470 E 4TH ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	424470	Meat and Meat Product Merchant Wholesalers
RAD ONE OIL COMPANY	167467	3834 E 3RD ST LOS ANGELES 90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
RADA INDUSTRIES, INC.	144019	1060 S DITMAN AVE LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	339999	All Other Miscellaneous Manufacturing
RAFI'S CHEVRON # 4	127715	1101 N MISSION RD LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
RAFIS CHEVRON #8/AMERICA OIL CO	152881	1203 N SOTO ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
RAMCAR BATTERIES INC	79682	2700 CARRIER AVE COMMERCE 90040	TS-77 Toxics: Lead Stationary Sources	335911	Storage Battery Manufacturing
RANDOLPH BUSINESS CENTER ILP LLC	177714	5959 RANDOLPH ST COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	813910	Business Associations
RASTAAR INC	157008	6810 E SLAUSON AVE COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	561990	All Other Support Services
REHRIG PACIFIC CO.	144529	4010 E 26TH ST LOS ANGELES 90023	TS-11 Industrial: Sector- based Inspections	326199	All Other Plastics Product Manufacturing
REX CREAMERY	149387	5743 SMITHWAY ST COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	311511	Fluid Milk Manufacturing
RITE ENGINEERING & MANUFACTURING CORPORA	161727	5832 GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector- based Inspections	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ROBERTSON'S READY MIX	98580	3365 E 26TH ST LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	327320	Ready-Mix Concrete Manufacturing
ROLL-IT SUSHI & TERIYAKI	166862	150 CITADEL DR STE FC-D1 COMMERCE 90040	TS-30 Area Sources: Charbroilers	722511	Full-Service Restaurants
ROMAC SUPPLY CO	6369	7400 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	335313	Switchgear and Switchboard Apparatus Manufacturing
ROSCOE MOSS CO	24568	4360 WORTH ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
ROYAL PAPER BOX CO	23487	1105 S MAPLE AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
S. BRAVO SYSTEMS, INC	120844	2929 VAIL AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	332313	Plate Work Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SAMHAM ASSOCIATES	178841	5200 E OLYMPIC BLVD LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	424210	Drugs and Druggists' Sundries Merchant Wholesalers
SAN CRIS BODY SHOP	178706	318 S WOODS AVE LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
SCHNEIDER ELECTRIC USA, INC	182931	4335 VALLEY BLVD LOS ANGELES 90032	TS-57 Toxics: R203 VOC Extraction	448210	Shoe Stores
SEARS ROEBUCK & CO UNIT #1008	132170	2650 E OLYMPIC BLVD BOILER ROOM LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	452111	Department Stores
SEVEN-UP/ROYAL CROWN BOTTLING CO OF SOCA	25786	3220 E 26TH ST. LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	312111	Soft Drink Manufacturing
SISSEL BROS INC	22003	4322 E 3RD ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	327390	Other Concrete Product Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SLOAN'S DRY CLEANERS, ANDRES HERNANDEZ	106983	5625 WHITTIER BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	812320	Drycleaning and Laundry Services (except Coin-Operated)
SMART & FINAL	116853	5500 SHEILA ST. COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
SMART & FINAL LLC	118573	600 CITADEL DR. COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
SMITHFIELD PACKAGED MEATS CORP	187885	3049 E VERNON AVE VERNON 90058	TS-02 Cycle II RECLAIM/Title V Facility	311611	Animal (except Poultry) Slaughtering
SMITHFIELD PACKAGED MEATS CORP	187888	3883 S SOTO ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	454390	Other Direct Selling Establishments
SMITHFIELD PACKAGED MEATS CORP	187890	2750 E 37TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	311611	Animal (except Poultry) Slaughtering

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SO CAL GAS CO	90	303 S WOODS ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	493110	General Warehousing and Storage
SO CAL GAS CO	79284	3494 E PICO BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	221210	Natural Gas Distribution
SO CALIFORNIA GAS COMPANY	93111	5901 TRIUMPH ST COMMERCE 90040	TS-31 Area Sources: Rule 222 Equipment	211111	Crude Petroleum and Natural Gas Extraction
SOFTGEL TECHNOLOGIES, INC	142541	6982 BANDINI BLVD LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	325412	Pharmaceutical Preparation Manufacturing
SOTO 76	139186	918 N SOTO ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
SOTO MOBIL MART INC	113478	1010 N SOTO ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SOUTH MONTEBELLO IRRIGATION DISTRICT	125016	1435 PEERLESS WAY MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
SOUTHERN CALIF REGIONAL RAIL AUTHORITY	113342	426 BAUCHET LOS ANGELES 90012	TS-11 Industrial: Sector-based Inspections	485112	Commuter Rail Systems
SPRINGS GLOBAL US INC	147048	5770 PEACHTREE ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	314110	Carpet and Rug Mills
SQUARE H BRANDS INC	121017	2731 S SOTO ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	311612	Meat Processed from Carcasses
STERICYCLE, INC.	122083	2775 E 26TH ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	562219	Other Nonhazardous Waste Treatment and Disposal
STERLING PACIFIC MEAT COMPANY	152361	6114 SCOTT WAY LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	424420	Packaged Frozen Food Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
STONE BLUE INC	133596	2501 E 28TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	812332	Industrial Launderers
STONY APPAREL CORP.	183222	1500 S EVERGREEN AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
STRATEGIC MATERIALS INC	113383	7000 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	562920	Materials Recovery Facilities
SUGAR FOODS CORP.	150832	6190 E SLAUSON AVE LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	311812	Commercial Bakeries
SUPERIOR GROCERS	162378	3600 CESAR E. CHAVEZ AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	445110	Supermarkets and Other Grocery (except Convenience) Stores
SUPERIOR LITHOGRAPHICS	65740	3055-63 BANDINI BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SUPERIOR NUT COMPANY	175122	5200 VALLEY BLVD LOS ANGELES 90032	TS-11 Industrial: Sector-based Inspections	424450	Confectionery Merchant Wholesalers
SW PROCESSORS INC	4138	4120 BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	311119	Other Animal Food Manufacturing
SYNERMED	174821	1600 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	541611	Administrative Management and General Management Consulting Services
T W GRAPHICS GROUP INC.	56026	3323 S MALT AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	325910	Printing Ink Manufacturing
TARGET CORP/TARGET COMMERCE T-189	87438	5600 E WHITTIER BLVD LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	452112	Discount Department Stores
TC COLLINS AND ASSOCIATES	167893	6100 SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	541611	Administrative Management and General Management Consulting Services



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TELACU HOUSING PICO ALISO INC	145385	1450 E 1ST ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	561720	Janitorial Services
TELCHEV INC, COMMERCE CHEVRON	145396	6150 E TELEGRAPH RD COMMERCE 90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
TESORO (USA) 63030	171671	3541 CESAR CHAVEZ AVE LOS ANGELES 90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	423830	Industrial Machinery and Equipment Merchant Wholesalers
TESORO SOUTH COAST CO., LLC	152056	4357 E CESAR CHAVEZ AVE @ HUMPHREYS LOS ANGELES 90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
THE BARBER-WEBB CO INC	1600	3833 MEDFORD ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	326199	All Other Plastics Product Manufacturing
THE HOME DEPOT #654	104330	7015 E TELEGRAPH RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	444110	Home Centers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
THE NEWARK GROUP, INC.	62548	6001 S EASTERN AVE COMMERCE 90040	TS-02 Cycle II RECLAIM/Title V Facility	322110	Pulp Mills
THE REALTY ASSOCIATES FUND X. LP	176955	3050 E WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector- based Inspections	531210	Offices of Real Estate Agents and Brokers
THE RF2 GROUP	181276	4553 SEVILLE AVE LOS ANGELES 90058	TS-57 Toxics: R203 VOC Extraction	562998	All Other Miscellaneous Waste Management Services
THE SOURCE GROUP, INC	177832	1848 MARENGO ST LOS ANGELES 90033	TS-57 Toxics: R203 VOC Extraction	541620	Environmental Consulting Services
THE VONS CO INC SAFEWAY INC	63249	3361 S BOXFORD AVE LOS ANGELES 90040	TS-11 Industrial: Sector- based Inspections	445110	Supermarkets and Other Grocery (except Convenience) Stores
THERIEN AND COMPANY INC	147042	2267 YATES AVE LOS ANGELES 90040	TS-11 Industrial: Sector- based Inspections	811420	Reupholstery and Furniture Repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
THROGMORTONS FRAME CLINIC INC	124159	2414 S CONNOR AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	811118	Other Automotive Mechanical and Electrical Repair and Maintenance
TOM'S BURGERS	67106	320 S SOTO ST LOS ANGELES 90033	TS-30 Area Sources: Charbroilers	722513	Limited-Service Restaurants
TORRANCE LOGISTICS COMPANY LLC	182752	2619 E 37TH ST VERNON 90058	TS-05 Title V (only) Facility	488999	All Other Support Activities for Transportation
TORRANCE LOGISTICS COMPANY LLC	182810	2510 E 37TH ST VERNON 90058	TS-91 Ref/Energy: Floating Roof Tanks	488999	All Other Support Activities for Transportation
TRANSCHEM COATINGS INC, DBA SPECIALTY CO	187184	1680 MILLER AVE LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	325510	Paint and Coating Manufacturing
TRANSDIGM INC, ADEL WIGGINS GROUP	99879	5000 TRIGGS ST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TRICHROMATIC - WEST, INC.	171279	6070 RICKENBACKER RD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424690	Other Chemical and Allied Products Merchant Wholesalers
TROY'S DRIVE IN # 7, KYUNG PIL HONG & JO	64860	2057 BROOKLYN AVE LOS ANGELES 90033	TS-31 Area Sources: Rule 222 Equipment	722511	Full-Service Restaurants
U S POLYMERS INC	150245	1057 S VAIL AVE MONTEBELLO 90640	TS-11 Industrial: Sector-based Inspections	332321	Metal Window and Door Manufacturing
U S RADIATOR CORPORATION	125641	4423 E DISTRICT BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	336390	Other Motor Vehicle Parts Manufacturing
U.S. POLYMERS INC	47864	5910 BANDINI BLVD COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	331318	Other Aluminum Rolling, Drawing, and Extruding
U.S. PRE-FINISHED METALS CORP	47840	4450 E DUNHAM ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
UNIFIED GROCERS, INC.	122116	5200 SHEILA ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
UNIFIED GROCERS INC	2776	5300 SHEILA ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
UNIFIED GROCERS INC	74064	5410 E SHEILA COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424410	General Line Grocery Merchant Wholesalers
UNION BODY SHOP, A GUITIERREZ	60658	3357 UNION PACIFIC AVE LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
UNION CLEANERS	111191	3589 E FIRST ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	812320	Drycleaning and Laundry Services (except Coin-Operated)
UNION PACIFIC RAILROAD	140394	750 LAMAR ST LOS ANGELES 90031	TS-11 Industrial: Sector-based Inspections	482111	Line-Haul Railroads

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
UNION PACIFIC RAILROAD CO	3337	4341 E WASHINGTON BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332323	Ornamental and Architectural Metal Work Manufacturing
UNITED AUTO BODY	121128	3075 E 4TH ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
UNITED AUTO CRAFT	4807	4750 E OLYMPIC BLVD EAST LOS ANGELES 90022	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
UNITED DRESSED BEEF INC	20942	1407 BOYD ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	311612	Meat Processed from Carcasses
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	3949 E DENNISON AVE LOS ANGELES 90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
UNIVAR USA INC	141160	5353 JILLSON ST ATTN: A/P - REG. REMEDIATION LOS ANGELES 90040	TS-57 Toxics: R203 VOC Extraction	424690	Other Chemical and Allied Products Merchant Wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
UNIVAR USA INC.	119366	2600 S GARFIELD AVE COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424690	Other Chemical and Allied Products Merchant Wholesalers
UNIVAR USA, INC.	142194	4256 NOAKES ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424690	Other Chemical and Allied Products Merchant Wholesalers
UNIVERSAL BODY SHOP INC	68367	4395 E OLYPMIC BLVD LOS ANGELES 90023	TS-12 Industrial Sources - Out of Business and Change of Ownership	811121	Automotive Body, Paint, and Interior Repair and Maintenance
UNIVERSITY OF SOUTHERN CALIFORNIA	179138	1640 MARENGO ST LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
UNIVERSITY SO CALIFORNIA, HEALTH SCIENCES	56	2011 ZONAL AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	611310	Colleges, Universities, and Professional Schools
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST COMMERCE 90040	TS-75 Toxics: Chrome Plating	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
VALMONT GEORGE INDUSTRIES	24209	4116 WHITESIDE ST LOS ANGELES 90063	TS-11 Industrial: Sector-based Inspections	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
VENATOR AMERICAS LLC	187687	3700 E OLYMPIC BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	325130	Synthetic Dye and Pigment Manufacturing
VERITIV OPERATING COMPANY	140478	2600 S COMMERCE WAY COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	424130	Industrial and Personal Service Paper Merchant Wholesalers
VERIZON WIRELESS	104831	2614 WHITTIER BLVD LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	236220	Commercial and Institutional Building Construction
VERIZON WIRELESS	134681	3615 E VERNON VERNON 90058	TS-11 Industrial: Sector-based Inspections	517210	Wireless Telecommunications Carriers
VERIZON WIRELESS	134686	415 N MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	517210	Wireless Telecommunications Carriers



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
VERNON CITY	136486	4355 S DOWNEY RD LOS ANGELES 90058	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices
VERNON WAREHOUSE CO	23988	2322 E 37TH & 38TH ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	484110	General Freight Trucking, Local
VERNON, CITY OF, FIRE STATION #3	122265	2800 SOTO ST VERNON 90058	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices
VERNON, CITY OF, FIRE STATION #4	122271	4530 BANDINI VERNON 90023	TS-11 Industrial: Sector-based Inspections	921110	Executive Offices
VONS, #6765	104531	3415 BOXFORD ST LOS ANGELES 90040	TS-11 Industrial: Sector-based Inspections	446110	Pharmacies and Drug Stores
WALKER FOODS, INC	43023	225-258 N MISSION RD LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	311999	All Other Miscellaneous Food Manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
WASTE MGMT. HEALTHCARE SOLUTIONS OF CA	156298	4280 E BANDINI BLVD VERNON 90058	TS-11 Industrial: Sector-based Inspections	561110	Office Administrative Services
WELD-IT CO	6188	4477 SHEILA ST LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	811219	Other Electronic and Precision Equipment Repair and Maintenance
WEST FAB INC	105110	2701 BONNIE BEACH PL LOS ANGELES 90023	TS-11 Industrial: Sector-based Inspections	332710	Machine Shops
WHITE MEMORIAL MEDICAL CENTER	13613	1720 CESAR CHAVEZ AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
WHITE MEMORIAL MEDICAL CENTER	136302	1701 E CESAR E CHAVEZ AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	621112	Offices of Physicians, Mental Health Specialists
WHITE MEMORIAL MEDICAL CENTER	145023	1617 MICHIGAN AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
WHITE MEMORIAL MEDICAL CENTER	175101	1828 E CESAR E CHAVEZ AVE LOS ANGELES 90033	TS-11 Industrial: Sector-based Inspections	621112	Offices of Physicians, Mental Health Specialists
WINALL OIL CO #1	34636	401 S SOTO ST LOS ANGELES 90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
WIRETECH, INC.	131507	6440 E CANNING ST COMMERCE 90040	TS-11 Industrial: Sector-based Inspections	551112	Offices of Other Holding Companies
WORLD JOURNAL LA, LLC	89757	1588 CORPORATE CENTER DR MONTEREY PARK 91754	TS-11 Industrial: Sector-based Inspections	511110	Newspaper Publishers
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE LOS ANGELES 90023	TS-75 Toxics: Chrome Plating	334519	Other Measuring and Controlling Device Manufacturing
ZOHRAJ, LLC	184985	3031 VERNON AVE VERNON 90058	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores

Summary of All Complaints Received<sup>iii</sup>

This table contains a summary of the number of complaints received by complaint type and sorted by their disposition between January 2016 and December 2018.

Complaint Disposition	Asbestos	Dust	Odors	Open Fire	Overspray	Residential Wood Burning	Service Stations	Smoke	Other	Total
Notice of Violation Issued		6	2					1		9
Notice To Comply Issued	13	23	17		8		1	1	6	69
Referred to Another Agency	1	5	11		2	1		1	10	31
No Enforcement Action Taken <sup>iv</sup>	63	165	571	1	30	2	7	48	33	920
Investigation in Progress; Disposition Pending	3	3	2					1		9

<sup>iii</sup> The information below is based on the following Zip Codes: 90012, 90013, 90021, 90022, 90031, 90032, 90040, 90058, 90201, 90640, 91754, 91803, 90023, 90033, and 90063.

<sup>iv</sup> *No Enforcement Action Taken* means that the complaint investigation has concluded but did not result in any formal enforcement action. For example, an alleged air pollution source may have been operating in compliance at the time of the inspection or the event underlying the complaint was no longer occurring.

Total	80	202	603	1	40	3	8	52	49	1038
-------	----	-----	-----	---	----	---	---	----	----	------

List of all Inspections Conducted

This table contains a list of inspections conducted within the ELABHWC between January 2016 and December 2018.

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
7-ELEVEN	178168	5530 VALLEY BLVD	LOS ANGELES	90032	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/14/2016	
7-ELEVEN	178168	5530 VALLEY BLVD	LOS ANGELES	90032	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/14/2018	
7-ELEVEN #33459/KYUNG KIM	145406	5536 E WASHINGTON BLVD	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/5/2016	
901 CORPORATE CENTER, LP	150453	901 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	5/26/2017	✓
A & G WOODWORKING & FINISHING	175366	1452 S SUNOL DR	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	7/11/2017	
A. TORRES TUXEDOS	126759	5167 WHITTIER BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	5/24/2016	✓
ACCO ENGINEERED SYSTEMS	127547	3421 MALT AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	10/11/2016	
ACME MADE IN AMERICA	170473	5340 HARBOR ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	8/21/2018	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ADM MILLING CO	22826	1543 CALADA ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/11/2018	
ALL STAR PAINT AND BODY	181455	5150 E BEVERLY BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	10/12/2017	
ALPHA AUTHORIZING & MASTERING SERVICES, IN	172856	5739 RICKENBACKER RD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/21/2017	✓
AMERI GAS DBA AMMEXX INC.	146504	3154 E OLYMPIC BLVD	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/24/2017	
AMERICA OIL COMPANY INC. NO. 11	178557	1535 N EASTERN AVE	LOS ANGELES	90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/5/2016	✓
AMERICAN RENOLIT CORPORATION LA	122741	6900 ELM ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/4/2016	
AMVAC CHEMICAL CORP	16865	4100 E WASHINGTON BLVD	LOS ANGELES	90023	TS-56 Toxics: Toxic Stationary Source	1/26/2018	
AMVAC CHEMICAL CORP	800320	4100 E WASHINGTON BLVD	LOS ANGELES	90023	TS-56 Toxics: Toxic Stationary Source	1/26/2018	
AMVAC CHEMICAL CORP, UNIT NO.03	85084	4100 E WASHINGTON BLVD	LOS ANGELES	90023	TS-56 Toxics: Toxic Stationary Source	1/26/2018	
ANGELL & GIROUX INC	2272	2727 E ALCAZAR ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	1/6/2016	✓
ANGELL & GIROUX INC	2272	2727 E ALCAZAR ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	11/28/2017	
ANODIZING INDUSTRIES, INC	174043	4677 WORTH ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	8/24/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
APRO LLC DBA UNITED OIL #134	177918	3915 E OLYMPIC AVE	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/14/2017	
APRO LLC DBA UNITED OIL #154	177963	705 N EASTERN	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/27/2017	
APRO LLC DBA UNITED OIL #183	177991	5200 E WHITTIER BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/9/2016	
ARCO #00191- NADA BOUTROS & GABY BOUTROS	151651	3401 E WHITTIER BLVD	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/28/2017	
ARMAG OIL INC., VLADIMIR VARDANIAN	180592	300 S ATLANTIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/17/2017	
ASCO SINTERING CO	45092	2750 GARFIELD AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/29/2017	✓
ASSOCIATED READY MIXED CONCRETE INC	75513	2730 E WASHINGTON BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	3/23/2018	✓
ATLANTIC PETROLEUM, INC	180128	301 S ATLANTIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/27/2017	✓
BAKER COMMODITIES INC	800016	4020 BANDINI BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	8/31/2016	
BAKER COMMODITIES INC	800016	4020 BANDINI BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	1/6/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
BAKER COMMODITIES INC	800016	4020 BANDINI BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	7/12/2018	
BAKER COMMODITIES INC	800016	4020 BANDINI BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	9/12/2018	✓
BESTIA RESTAURANT	186459	2121 E 7TH PL	LOS ANGELES	90021	TS-11 Industrial: Sector-based Inspections	6/6/2018	
BNSF LOT 12	182001	4210 E 26TH ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	4/13/2017	
BNSF RAILWAY COMPANY	153693	1799 INDUSTRIAL WAY	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	4/13/2017	
BNSF RAILWAY COMPANY	153788	4000 SHEILA ST	COMMERCE	90023	TS-11 Industrial: Sector-based Inspections	4/13/2017	
BONAMI, INC.	129105	1436 W WASHINGTON AVE	MONTEBELLO	90640	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/23/2017	
BOYLE GAS STATION, 4TH & 5 MART, INC.	160350	2005 E 4TH ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/24/2017	
BRIDGE PUBLICATIONS, INC.	167153	5600 E OLYMPIC BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	7/19/2016	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/18/2016	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	7/6/2016	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/13/2016	



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/8/2016	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/31/2017	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/10/2017	✓
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/19/2017	✓
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/5/2017	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/29/2018	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	6/26/2018	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/20/2018	
BRITE PLATING CO INC	42645	1313 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/19/2018	✓
BURLINGTON NORTHERN SANTA FE (BNSF) RAIL	170624	4560 E 26TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	4/13/2017	
BURLINGTON NORTHERN SANTA FE (BNSF) RAIL	170625	3677 BANDINI BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	4/13/2017	
BURLINGTON NORTHERN SANTA FE RAILWAY	139770	4940 SHEILA ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/13/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
BURLINGTON NORTHERN/SANTA FE RAILWAY CO	109461	6300 E SHEILA ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/19/2017	✓
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/1/2016	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	6/21/2016	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/6/2016	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	11/17/2016	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/29/2017	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/9/2017	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/19/2017	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/13/2017	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/20/2018	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/31/2018	
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/31/2018	✓
CAL ELECTROPLATING INC	9120	3510 E PICO BLVD	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	11/13/2018	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CAL TRANS	28074	7314 E BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/7/2016	
CALIFORNIA HIGHWAY PATROL	119778	1601 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	5/25/2017	
CALIFORNIA TRANSPORTATION DYNAMICS	176681	1105 GREENWOOD AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	10/4/2016	
CALIFORNIA WATER SERVICE CO	170338	2000 S TUBEWAY AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/1/2016	
CALMAT CO	107655	2715 E WASHINGTON BLVD	LOS ANGELES	90023	TS-04 Cycle II RECLAIM/Non-Title V Facility	9/28/2016	
CALMAT CO	107655	2715 E WASHINGTON BLVD	LOS ANGELES	90023	TS-04 Cycle II RECLAIM/Non-Title V Facility	6/2/2017	
CALMAT CO	107655	2715 E WASHINGTON BLVD	LOS ANGELES	90023	TS-04 Cycle II RECLAIM/Non-Title V Facility	9/26/2018	✓
CALTRANS - EAST LOS ANGELES MAINTENANCE	118578	4425 3 RD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/9/2017	
CALTRANS, COMMERCE MAINT STATION	25368	7300 E BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/7/2016	
CAMINO REAL CHEVROLET	144247	2401 S ATLANTIC BLVD	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	7/31/2018	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CARDLOCK FUELS SYSTEM, INC	103651	2655 E OLYMPIC BLVD	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/21/2018	
CARDLOCK FUELS SYSTEM, INC	103651	2655 E OLYMPIC BLVD	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	12/21/2018	
CARLS JR #422	186535	2320 E 4TH ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	7/25/2018	
CARL'S JR, #422, CARL KARCHER ENT.	164588	2320 E 4TH ST	LOS ANGELES	90033	TS-12 Industrial Sources - Out of Business and Change of Ownership	7/25/2018	
CELLUPHONE INC.	145311	6119 WASHINGTON BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/22/2016	✓
CEMEX CONSTRUCTION MATERIALS PACIFIC, LL	183863	5091 RICKENBACKER RD	BELL	90201	TS-11 Industrial: Sector-based Inspections	8/10/2018	
CENTER THEATRE GROUP	146064	2856 E 11TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/14/2018	
CENTERRA INTEGRATED SERVICES	166362	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	12/22/2017	
CENTERRA INTEGRATED SERVICES	166362	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	6/20/2018	✓
CENTRAL BASIN MUNICIPAL WATER DISTRICT	155200	6252 TELEGRAPH RD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/23/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CENTRAL JUVENILE HALL (BOYS)	127765	1601 EASTLAKE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/17/2016	
CENTRAL JUVENILE HALL (GIRLS)	127764	1601 EASTLAKE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/17/2016	
CERAMIC DECORATING CO INC	559	4651 SHEILA ST	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	8/12/2016	✓
CERTIFIED ENAMELING INC	800380	3340-42 EMERY ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	6/15/2016	
CERTIFIED ENAMELING INC	800380	3340-42 EMERY ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	3/22/2017	
CERTIFIED ENAMELING INC	800380	3340-42 EMERY ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	3/23/2018	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	3/25/2016	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	6/22/2016	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	10/7/2016	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	12/21/2016	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	3/3/2017	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	12/28/2017	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	1/10/2018	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	5/23/2018	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	5/23/2018	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	9/27/2018	
CHROMAL PLATING CO	6616	1748 N WORKMAN ST	LOS ANGELES	90031	TS-75 Toxics: Chrome Plating	12/13/2018	
CITADEL OUTLETS, CRAIG REALTY GROUP	170636	100 CITADEL DR	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/16/2017	
CITY OF LA, BOS,WASTEWATER COLL SYS DIV	64912	2264 HIGHBURY AVE (PP #604)	LOS ANGELES	90032	TS-11 Industrial: Sector-based Inspections	6/29/2016	
CLASSIC CONCEPTS	179065	4651 BANDINI BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	2/23/2017	✓
COMMAND PACKAGING	106151	3840 E 26TH ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	2/10/2016	
COMMERCE INDUSTRIAL PARK, LLC	152877	2400 YATES AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/1/2018	✓
COMMERCE PETRO FUEL, LLC, R&L SARABI,DBA	129550	2445 RALPH LIEBERMAN	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/25/2016	✓
CONTINENTAL VITAMIN COMPANY, INC.	184119	4510 S BOYLE AVE	VERNON	90058	TS-11 Industrial: Sector-based Inspections	2/7/2017	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
COSTCO WHOLESALE CORP.	152158	6340 E WASHINGTON BLVD	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	5/31/2016	
COSTCO WHOLESALE CORP.	152158	6340 E WASHINGTON BLVD	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/7/2017	
COUNTY OF LOS ANGELES FIRE DEPARTMENT	187929	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	7/20/2018	✓
CUMMINS SERV & SALES	11666	1105 GREENWOOD AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	10/4/2016	
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	4105 BANDINI BLVD	VERNON	90023	TS-11 Industrial: Sector-based Inspections	4/27/2016	
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	4105 BANDINI BLVD	VERNON	90023	TS-11 Industrial: Sector-based Inspections	5/24/2017	
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	4105 BANDINI BLVD	VERNON	90023	TS-11 Industrial: Sector-based Inspections	2/13/2018	
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	4105 BANDINI BLVD	VERNON	90023	TS-11 Industrial: Sector-based Inspections	2/13/2018	✓
D&J CUSTOM BENCHWORKS	178233	655 S ANDERSON ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	2/15/2017	✓
D&J PRINTING INC	182460	4005 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/2/2017	
DARLING INGREDIENTS INC.	63180	2626 E 25TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	2/11/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
DARLING INGREDIENTS INC.	63180	2626 E 25TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	5/23/2017	
DARLING INGREDIENTS INC.	63180	2626 E 25TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	2/8/2018	✓
DARLING INGREDIENTS INC.	63180	2626 E 25TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	10/4/2018	
DAVID H. FELL & CO INC	77891	6009 BANDINI BLVD	COMMERCE	90040	TS-56 Toxics: Toxic Stationary Source	11/16/2017	
DEAMCO CORPORATION	99248	6520 E WASHINGTON BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/21/2016	
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	7301 E SLAUSON AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	7/12/2017	✓
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	7301 E SLAUSON AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	6/15/2018	✓
DESK MAKERS INC.	146617	6526 FLOTILLA ST	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	2/8/2018	✓
DISTRIBUTORS UNLIMITED	69586	1205 DATE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	11/16/2017	
DKS STEEL DOOR & FRAME SYSTEMS, INC	175382	2212 TUBEWAY AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/16/2017	
DOHENY EYE INSTITUTE	89287	1355 SAN PABLO ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	9/22/2016	
DURANS BODY SHOP, INC	303	4605 E 3RD ST	EAST LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	5/10/2017	
EAST LOS ANGELES COLLEGE	13854	1301 AVENIDA CESAR CHAVEZ	MONTEREY PARK	91754	TS-05 Title V (only) Facility	6/23/2016	

Appendix 4-107



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EAST LOS ANGELES COLLEGE	13854	1301 AVENIDA CESAR CHAVEZ	MONTEREY PARK	91754	TS-05 Title V (only) Facility	3/7/2017	✓
EAST LOS ANGELES COLLEGE	13854	1301 AVENIDA CESAR CHAVEZ	MONTEREY PARK	91754	TS-05 Title V (only) Facility	4/20/2018	✓
EAST LOS ANGELES COLLEGE HEALTH SERVICES	165805	1055 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	5/20/2016	
EAST LOS ANGELES COLLEGE HEALTH SERVICES	165805	1055 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	4/20/2018	
EAST LOS ANGELES COURTHOUSE JCC/AOC	172302	214 S FETTERLY	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	3/2/2017	
EDCO, INC.	27209	5050 E OLYMPIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/15/2017	
EDMUND D EDELMAN CHILDRENS COURT JCC/AOC	167186	201 CENTRE PLAZA DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	4/5/2016	
ELLIS PAINTS CO/PACIFIC COAST LACQUER	12900	3150 E PICO BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	10/2/2018	
EMILE'S MOBIL, EMILE KHEIR	171485	1166 S SOTO ST	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/22/2017	
ENGINEERED POLYMER SOLUTIONS INC	74060	5501 E SLAUSON AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	6/2/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ENGINEERED POLYMER SOLUTIONS INC	74060	5501 E SLAUSON AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	3/29/2017	
ENGINEERED POLYMER SOLUTIONS INC	74060	5501 E SLAUSON AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	4/27/2018	
ENTENMANN-ROVIN COMPANY	109071	2425 S GARFIELD AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	10/7/2016	
ERNEST PAPER PRODUCTS	139664	5777 SMITHWAY ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	8/4/2016	
EVERGREEN AUTOBODY SPECIALISTS, INC.	170058	2840 E CESAR CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	1/9/2018	
EVERGREEN MEMORIAL SERVICES, INC.	188027	204 N EVERGREEN AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	9/14/2018	✓
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	1/28/2016	
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	1/29/2016	
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	2/9/2016	
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	11/20/2016	
EXIDE TECHNOLOGIES	124805	5909 E RANDOLPH ST	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	9/19/2018	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/1/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/3/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/6/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/9/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/14/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/15/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/16/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/17/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/19/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/20/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/22/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/23/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/27/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/29/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/31/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/2/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/3/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/4/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/7/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/10/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/13/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/14/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/14/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/17/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/19/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/20/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/24/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/24/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/26/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/27/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/28/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/2/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/4/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/6/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/9/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/10/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/11/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/16/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/18/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/19/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/23/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/25/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/27/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/1/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/2/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/6/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/10/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/13/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/15/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/23/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/29/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	5/3/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	5/6/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	5/10/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	5/20/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	5/29/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/3/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/11/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/19/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/21/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	6/29/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	7/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	7/6/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	7/17/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	7/20/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	7/30/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	8/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	8/13/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	8/22/2016	✓



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	8/26/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	9/2/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	9/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	9/14/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	9/21/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/1/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/5/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/13/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/23/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/25/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/1/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/7/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/8/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/17/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/18/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/26/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/30/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/8/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/11/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/12/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/14/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/22/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/27/2016	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/29/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	1/12/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/8/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	3/24/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	4/8/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	10/12/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/1/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	12/12/2017	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	2/15/2018	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	9/27/2018	✓
EXIDE TECHNOLOGIES	124838	2700 S INDIANA ST	VERNON	90058	TS-77 Toxics: Lead Stationary Sources	11/1/2018	✓
FAIRMOUNT TERRACE	181951	822 N HAZARD AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/14/2017	✓
FAIRMOUNT TERRACE	184317	4000 E FAIRMOUNT ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/14/2017	✓
FAUSTINO LIMON'S CHAIR FACTORY INC	139932	2425 S MALT AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	10/19/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
FEDEX GROUND	180288	2600 E 28TH ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	2/23/2017	✓
FELBRO, INC.	58842	3666 E OLYMPIC BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/27/2018	✓
FIXCARNOW, INC.	171918	1235 S EASTERN AVE	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	6/7/2018	✓
FLAVURENCE CORPORATION	146284	1916 TUBEWAY AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/17/2017	✓
FLEMING METAL FABRICATORS INC	23342	2810 S TANAGER AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/28/2016	
FLORES DESIGN	145690	4618 PACIFIC BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	3/1/2017	
FOOTE AXLE & FORGE CO INC	4713	3954 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	1/31/2018	✓
FOOTE AXLE & FORGE LLC	186845	3954 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	1/31/2018	
FOUR TEAMS OIL PROD AND EXP, INC	105190	5340 E JILLSON ST	COMMERCE	90040	TS-15 Industrial: Crude Oil Production	5/26/2016	
FRESENIUS MEDICAL CARE OF EAST L A	166767	5220 TELFORD ST	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/2/2016	
FREUND BAKING COMPANY	112573	2050 TUBEWAY	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/16/2017	✓
G & M OIL CO, LLC #191	158112	2301 S ATLANTIC BLVD	MONTEREY PARK	91754	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/31/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
G & M OIL CO, LLC #51	105533	2155 S ATLANTIC	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/11/2016	
GENERAL TRUCK BODY, INC	174049	1130 S VAIL AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	4/7/2017	
GLOBE IRON FOUNDRY INC	8927	5649 E RANDOLPH ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/18/2018	
GOLD COAST INGREDIENTS, INC.	169101	2429 YATES AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/9/2016	
GOLDEN ST CASKET CO INC	8811	1705 N INDIANA ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	12/6/2017	
GOLDEN STATE ENTERPRISES, LLC	176414	1800 E 4TH ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/10/2017	
GOLDEN STATE ENTERPRISES, LLC	176443	1171 S SOTO ST	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/28/2017	✓
GOLDEN STATE ENTERPRISES, LLC	176447	1848 MARENGO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/17/2017	
GREAT AMERICAN PACKAGING INC	148107	4361 S SOTO ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	10/23/2018	
GREEN FOR BLUE, INC	177063	4160 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/28/2017	
HANNA SHELL, NASSIM B. HANNA	163548	1410 S SOTO ST	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/17/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
HEALTH CARE EMPLOYEES UNION LOCAL 399	142488	5480 FERGUSON DR	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/19/2016	✓
HEALTH CARE EMPLOYEES UNION LOCAL 399	142488	5480 FERGUSON DR	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/14/2018	
HERNANDEZ DRY CLEANING SERVICES	170343	3857 WHITTIER BLVD # B	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/4/2018	✓
HOLIDAY AUTO CENTER, LLC	179167	2222 WHITTIER BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	7/11/2017	
HOLLIDAY ROCK CO., INC.	172413	2822 S SOTO ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	3/23/2018	
HP-A VERNON, LLC	180134	3501 E VERNON AVE	VERNON	90058	TS-11 Industrial: Sector-based Inspections	8/3/2017	
HUHTAMAKI, INC.	10392	4209 E NOAKES	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/6/2018	
HYE JUNG KIM	176634	1017 E WASHINGTON BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	10/17/2017	
INDUSTRIAL SERVICE OIL CO INC	127047	1700 S SOTO ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	8/23/2016	
INKSOLUTIONS LLC	154129	5928 S GARFIELD AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/26/2017	✓
INLAND KENWORTH INC	135261	1600 W WASHINGTON BLVD	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	1/12/2018	
INSUL-THERM INC	172628	6651 E 26TH ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/2/2018	
INTERNATIONAL PAPER	179129	5991 BANDINI BLVD	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	8/11/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
JENNIFER & LUCY HOLDINGS, INC	183815	1600 N EASTERN AVE	LOS ANGELES	90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/12/2017	
JOE'S BODY SHOP	134274	939 S GOODRICH BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/29/2016	✓
JOE'S BODY SHOP	134274	939 S GOODRICH BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/25/2018	✓
JOSE AUTO BODY SHOP	138087	4445 TELEGRAPH RD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/6/2018	✓
JSL FOODS INTERNATIONAL	168523	1478 N INDIANA ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/14/2017	
JUAN'S BODY SHOP	46581	5607 WHITTIER BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/9/2018	
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	6250 E BANDINI BLVD	LOS ANGELES	90040	TS-01 Cycle I RECLAIM/Title V Facility	4/21/2016	✓
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	6250 E BANDINI BLVD	LOS ANGELES	90040	TS-01 Cycle I RECLAIM/Title V Facility	2/15/2017	✓
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	6250 E BANDINI BLVD	LOS ANGELES	90040	TS-01 Cycle I RECLAIM/Title V Facility	1/23/2018	✓
KECK HOSPITAL OF USC	159449	1500 SAN PABLO ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/12/2017	✓
KENT H. LANDSBERG CO	11072	1640 S GREENWOOD AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	10/4/2016	
KING MEAT SERVICE, INC.	181182	4215 EXCHANGE AVE	VERNON	90058	TS-11 Industrial: Sector-based Inspections	7/18/2017	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LA BARCA TORTILLERIA	63222	3047 E WHITTIER BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	6/13/2018	
LA CITY, DEPT OF GEN SERVICES	9386	2474-84 E OLYMPIC BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	8/9/2018	
LA CITY, DEPT OF GEN SERVICES	31418	2111 E FIRST ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/25/2016	
LA CO, FLOOD CONTROL DIST	12998	2275 ALCAZAR ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	9/28/2018	✓
LA CO, PROBATION	69699	1601 EASTLAKE AVE	LOS ANGELES	90031	TS-11 Industrial: Sector-based Inspections	3/17/2016	
LA CO., DEPT OF PUBLIC WORKS (ROAD DEPT)	9237	4303-430 EUGENE ST	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	3/28/2017	
LA CO., DEPT OF PUBLIC WORKS (ROAD DEPT)	13194	1525 ALCAZAR ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	2/4/2016	
LA CO., FIRE STA #27	70446	6031 RICKENBACKER RD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	6/7/2017	✓
LA CO., FIRE STA #3	25649	930 S EASTERN AVE	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	6/7/2017	✓
LA CO., ISD/VEHICLE SERVICES DIVISION	91775	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	6/15/2018	
LA CO., METROPOLITAN TRANS AUTHORITY	53610	470 E BAUCHET ST	LOS ANGELES	90012	TS-05 Title V (only) Facility	4/27/2016	
LA CO., METROPOLITAN TRANS AUTHORITY	53610	470 E BAUCHET ST	LOS ANGELES	90012	TS-05 Title V (only) Facility	3/23/2017	



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LA CO., METROPOLITAN TRANS AUTHORITY	53610	470 E BAUCHET ST	LOS ANGELES	90012	TS-05 Title V (only) Facility	1/26/2018	✓
LA CO., SHERIFF'S DEPT	29411	441 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	7/29/2016	✓
LA CO., SHERIFF'S DEPT	29411	441 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	2/16/2017	✓
LA CO., SHERIFF'S DEPT	29411	441 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	1/26/2018	
LA CO., SHERIFF'S DEPT.	80315	498 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	7/29/2016	
LA CO., SHERIFF'S DEPT.	80315	498 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	2/16/2017	
LA CO., SHERIFF'S DEPT. HDQTRS	95052	4700 RAMONA BLVD	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	1/6/2016	✓
LA CO., UNIV SO CAL MEDICAL CTR	35013	3301 E 1ST ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/26/2016	
LA CO., UNIV SO CAL MEDICAL CTR	35013	3301 E 1ST ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/24/2016	
LA COUNTY DEPARTMENT OF CORONER	174735	1104 N MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/6/2017	
LA COUNTY METROPOLITAN TRANSPORTATION A	165220	490-96 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	4/27/2016	
LA COUNTY SHERIFF'S DEPT	72346	450 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	7/29/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LA COUNTY SHERIFF'S DEPT	72346	450 BAUCHET ST	LOS ANGELES	90012	TS-11 Industrial: Sector-based Inspections	2/16/2017	
LA ODD FELLOWS CEMETERY ASSOC	59	3640 WHITTIER BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	5/24/2016	✓
LA ODD FELLOWS CEMETERY ASSOC	59	3640 WHITTIER BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	8/8/2018	
LA REINA INC	17056	316 N FORD BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	3/14/2017	
LA REINA INC	17056	316 N FORD BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	5/24/2018	✓
LA UNI SCH DIST, EVERGREEN ELEMENTARY	72861	2730 GANAHL ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/25/2016	
LAC/USC MEDICAL CENTER	20197	1200 N STATE ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/31/2016	
LAC/USC MEDICAL CENTER	20197	1200 N STATE ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/9/2017	✓
LAC/USC MEDICAL CENTER	20197	1200 N STATE ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/23/2018	
LAUSD/EAST LA STAR HIGH SCH ACADEMY	169619	319 N HUMPHREYS AVE	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	9/28/2018	
LAX WHEEL REFINISHING INC	155794	3518 E 15TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	7/15/2016	✓
LAX WHEEL REFINISHING INC	155794	3518 E 15TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	2/21/2017	✓
LOS ANGELES CO SHERIFF DEPT/LA REGIONAL	146897	1800 PASEO RANCHO CASTILLA	LOS ANGELES	90032	TS-11 Industrial: Sector-based Inspections	9/20/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LOWE TRUCKING COMPANY	43831	501 S MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	2/25/2016	
LOWE TRUCKING COMPANY	43831	501 S MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	7/25/2018	
LUSIVE DECOR, INC	167926	3400 MEDFORD ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	2/23/2017	
M&M AUTO SPA, INC.	152119	2740 E OLYMPIC BLVD	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/29/2017	
M.T. MOTOR REPAIR	166220	5721 E WASHINGTON BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	4/18/2018	
MAC BRIDE AUTOMOTIVE SERVICES	148494	4625 E OLYMPIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/27/2018	✓
MB AUTOCRAFT	60801	4533 VALLEY BLVD	LOS ANGELES	90032	TS-11 Industrial: Sector-based Inspections	9/25/2018	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/3/2016	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	6/10/2016	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/9/2016	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/1/2016	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/28/2017	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/17/2017	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/19/2017	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/5/2017	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/14/2018	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	6/13/2018	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/13/2018	
METAL FINISHING MARKETERS INC	122365	1401 MIRASOL ST	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/6/2018	
METRO GAS COMPANY, INC.	167111	2925 E CESAR CHAVEZ AVE	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/6/2017	
MISSION FOODS CORPORATION	70649	5505 E OLYMPIC BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	11/29/2017	
MISSION SERV INC	37784	401 S MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	2/25/2016	
MISSION SERV INC	37784	401 S MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	7/25/2018	
MJ GLOBAL ENTERPRISE INC.	182214	3305 E VERNON AVE	VERNON	90058	TS-11 Industrial: Sector-based Inspections	5/4/2016	✓
MONARCH LITHO INC	73367	1501 DATE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	6/17/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
MONARCH LITHO INC	73367	1501 DATE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	2/24/2017	
MONARCH LITHO INC	73367	1501 DATE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	1/25/2018	
MONOGRAM AEROSPACE FASTENERS	133358	3423 S GARFIELD AVE	LOS ANGELES	90040	TS-74 Toxics: Non-chrome Plating	4/27/2018	✓
MONTEREY PARK SHELL, AMINE KLAEB	165213	2291 S ATLANTIC BLVD	MONTEREY PARK	91754	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/29/2017	
MOTION INDUSTRIES, INC.	61922	2041-5 SAYBROOK AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/28/2016	
NASA SERVICES, INC.	175282	1100 S MAPLE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	10/18/2017	
NATIONAL READY MIXED CONCRETE CO.	184988	2626 E 26TH ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	3/23/2018	
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	1501 W WASHINGTON BLVD	MONTEBELLO	90640	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/11/2017	✓
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	1501 W WASHINGTON BLVD	MONTEBELLO	90640	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	11/21/2018	
NONSTOP BODY SHOP	170737	4728 FLORAL DR	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/28/2017	✓
OCTANE PLUS, INC. JACQUES MASSACHI	158096	6100 E WASHINGTON BLVD	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/5/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
OLD DOMINION FREIGHT LINES	77170	1225 W WASHINGTON BLVD	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	11/9/2017	
OLDCASTLE GLASS, LOS ANGELES	107975	5631 FERGUSON DR	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/29/2016	
OLDCASTLE GLASS, LOS ANGELES	107975	5631 FERGUSON DR	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/14/2018	✓
OLYMPIC DRY CLEANERS	174692	4539 OLYMPIC BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	2/9/2017	✓
OMNINET LACC, LLC	184599	900 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	4/26/2017	✓
OMNINET LACC, LLC	184600	1200 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	4/26/2017	✓
OMNINET LACC, LLC	184601	1000 CORPORATE CENTER DR SUITE 320	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	4/26/2017	✓
ON TRAC	172931	5959 RANDOLPH ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/6/2018	✓
OVERHILL FARMS INC	60812	3055 E 44TH ST	VERNON	90058	TS-11 Industrial: Sector-based Inspections	8/11/2016	✓
P. KAY METAL , INC.	72937	2448 E 25TH ST	LOS ANGELES	90058	TS-77 Toxics: Lead Stationary Sources	11/22/2017	✓
P. KAY METAL , INC.	72937	2448 E 25TH ST	LOS ANGELES	90058	TS-77 Toxics: Lead Stationary Sources	1/24/2018	
P. KAY METAL , INC.	72937	2448 E 25TH ST	LOS ANGELES	90058	TS-77 Toxics: Lead Stationary Sources	5/22/2018	
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	4460 PACIFIC BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	3/1/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	4460 PACIFIC BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	6/1/2017	✓
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	4460 PACIFIC BLVD	VERNON	90058	TS-11 Industrial: Sector-based Inspections	8/9/2018	
PACER CARTAGE, INC.	155663	5800 E SHEILA ST	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	2/4/2016	
PACIFIC MFG MGMT, INC DBA GRENEKER SOLUT	150233	3110 E 12TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	8/2/2016	
PACIFIC MFG MGMT, INC DBA GRENEKER SOLUT	150233	3110 E 12TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	3/2/2017	
PACIFIC MFG MGMT, INC DBA GRENEKER SOLUT	150233	3110 E 12TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	4/10/2018	
PACIFIC PALISADES LAND LLC	188539	3860 E 3RD ST	LOS ANGELES	90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	11/15/2018	✓
PACIFIC WELDING & POWDER COATING	164813	4476 PACIFIC WAY	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	6/20/2018	✓
PACKAGING CORPORATION OF AMERICA	121459	4240 BANDINI BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/20/2018	
PAINTERS AND ALLIED TRADES DC 36	172908	1155 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	5/20/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PARKER BOILER CO.	55087	5930 BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/3/2016	
PENSKE TRUCK LEASING CO., LP	152312	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	12/22/2017	
PENSKE TRUCK LEASING CO., LP	152312	1104 N EASTERN AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	6/20/2018	
PENTRATE METAL PROCESSING INC	9442	3517 E OLYMPIC BLVD	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/7/2018	
POLYCHEMIE, INC.	125595	4690 WORTH ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	1/5/2016	
POLY-LUX INC	16087	1500 S SPENCE ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/7/2018	
PONCE'S BODY SHOP	179926	4248 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	12/22/2017	
PREFERRED FREEZER SERVICES	186299	1400 LOS PALOS ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/20/2018	
PRINTBUYER LLC	183513	4730 EASTERN AVE	BELL	90201	TS-11 Industrial: Sector-based Inspections	4/13/2017	
PROPORTION FOODS, LLC	172630	3501 E VERNON	VERNON	90058	TS-11 Industrial: Sector-based Inspections	8/3/2017	✓
PRUDENTIAL OVERALL SUPPLY CO	8560	6920 BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	5/4/2017	✓
QUAN SERVICE CENTER, INC	180241	250 S ATLANTIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/31/2017	



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
R. W. INC, RECOATING WEST DBA	140517	1609 DATE ST	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	3/22/2016	
RAD ONE OIL COMPANY	167467	3834 E 3RD ST	LOS ANGELES	90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/24/2017	
RADA INDUSTRIES, INC.	144019	1060 S DITMAN AVE	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/30/2017	
RAFI'S CHEVRON # 4	127715	1101 N MISSION RD	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	10/26/2017	✓
RAFI'S CHEVRON # 4	127715	1101 N MISSION RD	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/27/2018	
RAFIS CHEVRON #8/AMERICA OIL CO	152881	1203 N SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/17/2017	
RAMCAR BATTERIES INC	79682	2700 CARRIER AVE	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	5/26/2017	
RAMCAR BATTERIES INC	79682	2700 CARRIER AVE	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	6/13/2017	
RAMCAR BATTERIES INC	79682	2700 CARRIER AVE	COMMERCE	90040	TS-77 Toxics: Lead Stationary Sources	7/20/2018	
RASTAAR INC	157008	6810 E SLAUSON AVE	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/25/2016	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
REHRIG PACIFIC CO.	144529	4010 E 26TH ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/22/2017	
REX CREAMERY	149387	5743 SMITHWAY ST	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	8/4/2016	
RITE ENGINEERING & MANUFACTURING CORPORA	161727	5832 GARFIELD AVE	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	6/22/2016	
ROBERTSON'S READY MIX	98580	3365 E 26TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	2/15/2018	
ROBERTSON'S READY MIX	98580	3365 E 26TH ST	LOS ANGELES	90058	TS-11 Industrial: Sector-based Inspections	3/23/2018	
ROYAL PAPER BOX CO	23487	1105 S MAPLE AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	6/8/2016	
ROYAL PAPER BOX CO	23487	1105 S MAPLE AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	3/8/2017	
ROYAL PAPER BOX CO	23487	1105 S MAPLE AVE	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	1/31/2018	
SAMHAM ASSOCIATES	178841	5200 E OLYMPIC BLVD	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/31/2017	
SAN CRIS BODY SHOP	178706	318 S WOODS AVE	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	1/23/2018	
SEVEN-UP/ROYAL CROWN BOTTLING CO OF SOCA	25786	3220 E 26TH ST.	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	9/6/2018	✓
SISSEL BROS INC	22003	4322 E 3RD ST	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	4/15/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
SISSEL BROS INC	22003	4322 E 3RD ST	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	5/24/2016	
SLOAN'S DRY CLEANERS, ANDRES HERNANDEZ	106983	5625 WHITTIER BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	4/25/2018	
SMART & FINAL LLC	118573	600 CITADEL DR.	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	10/7/2016	
SO CAL GAS CO	90	303 S WOODS ST	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	6/24/2016	
SOTO 76	139186	918 N SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/10/2017	
SOTO MOBIL MART INC	113478	1010 N SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/29/2017	✓
SOUTH MONTEBELLO IRRIGATION DISTRICT	125016	1435 PEERLESS WAY	MONTEBELLO	90640	TS-11 Industrial: Sector-based Inspections	2/2/2016	
STERLING PACIFIC MEAT COMPANY	152361	6114 SCOTT WAY	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	2/2/2018	✓
STRATEGIC MATERIALS INC	113383	7000 BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	1/7/2016	✓
STRATEGIC MATERIALS INC	113383	7000 BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/1/2017	✓
STRATEGIC MATERIALS INC	113383	7000 BANDINI BLVD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	3/30/2018	✓
SUGAR FOODS CORP.	150832	6190 E SLAUSON AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	2/3/2016	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
SUPERIOR GROCERS	162378	3600 CESAR E. CHAVEZ AVE	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	6/28/2016	
SYNERMED	174821	1600 CORPORATE CENTER DR	MONTEREY PARK	91754	TS-11 Industrial: Sector-based Inspections	5/20/2016	
TARGET CORP/TARGET COMMERCE T-189	87438	5600 E WHITTIER BLVD	LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	4/25/2018	✓
TELACU HOUSING PICO ALISO INC	145385	1450 E 1ST ST	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/6/2016	
TELCHEV INC, COMMERCE CHEVRON	145396	6150 E TELEGRAPH RD	COMMERCE	90040	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/25/2016	✓
TESORO (USA) 63030	171671	3541 CESAR CHAVEZ AVE	LOS ANGELES	90063	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/10/2017	
TESORO SOUTH COAST CO., LLC	152056	4357 E CESAR CHAVEZ AVE @ HUMPHREYS	LOS ANGELES	90022	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/4/2017	
THE HOME DEPOT #654	104330	7015 E TELEGRAPH RD	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	10/7/2016	
THE NEWARK GROUP, INC.	62548	6001 S EASTERN AVE	COMMERCE	90040	TS-02 Cycle II RECLAIM/Title V Facility	9/21/2016	
THE NEWARK GROUP, INC.	62548	6001 S EASTERN AVE	COMMERCE	90040	TS-02 Cycle II RECLAIM/Title V Facility	3/10/2017	
THE NEWARK GROUP, INC.	62548	6001 S EASTERN AVE	COMMERCE	90040	TS-02 Cycle II RECLAIM/Title V Facility	3/22/2017	
THE NEWARK GROUP, INC.	62548	6001 S EASTERN AVE	COMMERCE	90040	TS-02 Cycle II RECLAIM/Title V Facility	8/29/2018	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
THE VONS CO INC SAFEWAY INC	63249	3361 S BOXFORD AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	5/27/2016	✓
THERIEN AND COMPANY INC	147042	2267 YATES AVE	LOS ANGELES	90040	TS-11 Industrial: Sector-based Inspections	8/21/2018	
TORRANCE LOGISTICS COMPANY LLC	182752	2619 E 37TH ST	VERNON	90058	TS-05 Title V (only) Facility	8/16/2017	✓
TORRANCE LOGISTICS COMPANY LLC	182752	2619 E 37TH ST	VERNON	90058	TS-05 Title V (only) Facility	2/8/2018	✓
U.S. PRE-FINISHED METALS CORP	47840	4450 E DUNHAM ST	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/14/2018	
UNION BODY SHOP, A GUITIERREZ	60658	3357 UNION PACIFIC AVE	LOS ANGELES	90023	TS-11 Industrial: Sector-based Inspections	12/7/2018	✓
UNION CLEANERS	111191	3589 E FIRST ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	7/6/2016	
UNION CLEANERS	111191	3589 E FIRST ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	7/26/2018	
UNION PACIFIC RAILROAD	140394	750 LAMAR ST	LOS ANGELES	90031	TS-11 Industrial: Sector-based Inspections	10/3/2017	
UNITED AUTO BODY	121128	3075 E 4TH ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	1/9/2018	
UNITED AUTO CRAFT	4807	4750 E OLYMPIC BLVD	EAST LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	11/1/2017	✓
UNITED AUTO CRAFT	4807	4750 E OLYMPIC BLVD	EAST LOS ANGELES	90022	TS-11 Industrial: Sector-based Inspections	7/26/2018	✓
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	3949 E DENNISON AVE	LOS ANGELES	90023	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/30/2017	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
UNIVERSITY SO CALIFORNIA,HEALTH SCIENCES	56	2011 ZONAL AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/13/2016	✓
UNIVERSITY SO CALIFORNIA,HEALTH SCIENCES	56	2011 ZONAL AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/23/2017	
UNIVERSITY SO CALIFORNIA,HEALTH SCIENCES	56	2011 ZONAL AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	5/1/2018	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	3/25/2016	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	6/24/2016	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	10/4/2016	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	12/8/2016	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	4/4/2017	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	4/27/2017	
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	8/21/2018	✓
VALLEY PLATING WORKS INC	109562	5900 SHEILA ST	COMMERCE	90040	TS-75 Toxics: Chrome Plating	11/29/2018	✓
VALMONT GEORGE INDUSTRIES	24209	4116 WHITESIDE ST	LOS ANGELES	90063	TS-11 Industrial: Sector-based Inspections	3/7/2017	✓

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
VERITIV OPERATING COMPANY	140478	2600 S COMMERCE WAY	COMMERCE	90040	TS-11 Industrial: Sector-based Inspections	2/4/2016	
VERIZON WIRELESS	134686	415 N MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	2/15/2018	
WALKER FOODS, INC	43023	225-258 N MISSION RD	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	8/3/2016	
WHITE MEMORIAL MEDICAL CENTER	13613	1720 CESAR CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/1/2016	
WHITE MEMORIAL MEDICAL CENTER	13613	1720 CESAR CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/14/2017	✓
WHITE MEMORIAL MEDICAL CENTER	136302	1701 E CESAR E CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/1/2016	✓
WHITE MEMORIAL MEDICAL CENTER	136302	1701 E CESAR E CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/14/2017	
WHITE MEMORIAL MEDICAL CENTER	145023	1617 MICHIGAN AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	3/1/2016	✓
WHITE MEMORIAL MEDICAL CENTER	145023	1617 MICHIGAN AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/14/2017	✓
WHITE MEMORIAL MEDICAL CENTER	175101	1828 E CESAR E CHAVEZ AVE	LOS ANGELES	90033	TS-11 Industrial: Sector-based Inspections	4/14/2017	
WINALL OIL CO #1	34636	401 S SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/20/2016	✓
WINALL OIL CO #1	34636	401 S SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/3/2018	

Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
WINALL OIL CO #1	34636	401 S SOTO ST	LOS ANGELES	90033	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/17/2018	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	2/9/2016	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/17/2016	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/6/2016	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	11/3/2016	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	2/15/2017	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	5/9/2017	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/19/2017	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	12/1/2017	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	3/13/2018	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	6/1/2018	
YOLANDAS PLATING	52142	3419 UNION PACIFIC AVE	LOS ANGELES	90023	TS-75 Toxics: Chrome Plating	9/28/2018	



Facility Name	ID	Street Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ZOHRAJ, LLC	184985	3031 VERNON AVE	VERNON	90058	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/26/2017	

List of Compliance Enforcement Actions Taken

This table contains a list of all enforcement actions issued by inspectors against facilities in this community between January 2016 and December 2018.

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
901 CORPORATE CENTER, LP	150453	NC	E39433	5/25/2017	5/25/2017	1470	Maintain generator log and provide outage report from SoCal Edison	<u>CLOSED/RESOLVED</u>
901 CORPORATE CENTER, LP	150453	NC	E39433	5/25/2017	5/25/2017	42303	Maintain generator log and provide outage report from SoCal Edison	<u>CLOSED/RESOLVED</u>
A. TORRES TUXEDOS	126759	NC	E35270	5/24/2016	5/24/2016	1421	Provide records of gasket replacement and coil cleaning; show enrollment in CARB ATCM training.	<u>CLOSED/RESOLVED</u>
ACME MADE IN AMERICA	170473	NC	E44744	8/21/2018	8/21/2018	109	R203(b) Install a manometer as per permit conditions onto PSB (G18991), R109 Provide VOC recordkeeping for all coating operations	<u>CLOSED/RESOLVED</u>

<sup>v</sup> Issue Date: The date the violation notice was issued to the responsible party. This date may not reflect the date of inspection.

<sup>vi</sup> Violation Date: The date that the violation occurred and was documented by South Coast AQMD inspectors. This date may not reflect the date of inspection.

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
ACME MADE IN AMERICA	170473	NC	E44744	8/21/2018	8/21/2018	203 (B)	R203(b) Install a manometer as per permit conditions onto PSB (G18991), R109 Provide VOC recordkeeping for all coating operations	<u>CLOSED/RESOLVED</u>
ALL STAR FLEET SERVICES INC	166362	NC	E42486	6/20/2018	6/20/2018	203	Submit administrative change applications to correct PSB's filter discrepancies.	<u>CLOSED/RESOLVED</u>
ALPHA AUTHORIZING & MASTERING SERVICES, IN	172856	NC	E38664	3/21/2017	3/21/2017	203(B)	Comply with recordkeeping requirement in condition #12	<u>CLOSED/RESOLVED</u>
AMERI GAS DBA AMMEXX INC.	146504	NOV	P72199	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 4951	<u>CLOSED/RESOLVED</u>
AMERICA OIL COMPANY INC. NO. 11	178557	NOV	P64954	8/5/2016	8/5/2016	203 (A)	OPERATING A GASOLINE DISPENSING FACILITY WITHOUT A VALID PERMIT- FACILITY FAILED TO APPLY FOR A PERMIT TO CONSTRUCT BEFORE INSTALLING NEW DISPENSERS AND CONVERTING 1 GASOLINE TANK TO A DIESEL TANK.	<u>CLOSED/RESOLVED</u>
AMERICA OIL COMPANY INC. NO. 11	178557	NC	E35930	8/5/2016	8/5/2016	461	PROVIDE THE 2015 & 2016 VAPOR RECOVERY TEST RECORDS, THE MOST CURRENT PERIODIC COMPLIANCE INSPECTION	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							RECORDS, THE 2016 ISD ALARM LOGS AND THE 2016 REPAIR LOGS.	
AMERICA OIL COMPANY INC. NO. 11	178557	NC	E35930	8/5/2016	8/5/2016	461(C)(2)(B)	PROVIDE THE 2015 & 2016 VAPOR RECOVERY TEST RECORDS, THE MOST CURRENT PERIODIC COMPLIANCE INSPECTION RECORDS, THE 2016 ISD ALARM LOGS AND THE 2016 REPAIR LOGS.	<u>CLOSED/RESOLVED</u>
AMERICA OIL COMPANY INC. NO. 11	178557	NC	E35930	8/5/2016	8/5/2016	461 (E) (2)	PROVIDE THE 2015 & 2016 VAPOR RECOVERY TEST RECORDS, THE MOST CURRENT PERIODIC COMPLIANCE INSPECTION RECORDS, THE 2016 ISD ALARM LOGS AND THE 2016 REPAIR LOGS.	<u>CLOSED/RESOLVED</u>
ANGELL & GIROUX INC	2272	NOV	P64111	1/7/2016	7/2/2014	1147	Failure to demonstrate compliance to applicable nitrogen oxide emission limit by the specified date.	<u>CLOSED/RESOLVED</u>
ANODIZING INDUSTRIES, INC	174043	NC	E36815	8/24/2016	8/24/2016	42303	Provide status of source test for oven under a/n 550855	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #134	177918	NOV	P72734	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5466	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
APRO LLC DBA UNITED OIL #154	177963	NOV	P72756	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5244	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #183	177991	NOV	P72779	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5012	<u>CLOSED/RESOLVED</u>
ASCO SINTERING CO	45092	NC	E38666	3/29/2017	3/29/2017	42303	Provide BTU rating for all furnaces on site. Provide MSDS for all lubricants, resins and cleaners used.	<u>CLOSED/RESOLVED</u>
ASSOCIATED READY MIXED CONCRETE INC	75513	NC	E43308	3/23/2018	3/23/2018	42303	Provide Daily & Monthly material processed for R_D37344, monthly material processed for R_D36052, F77994, F91854, D20435, D20436, D20437, D20434	<u>CLOSED/RESOLVED</u>
ATLANTIC PETROLEUM, INC	180128	NOV	P65260	10/11/2017	4/26/2017	203(B)	failure to record ISD alarms; failure to conduct applicable repairs prior to clearing ISD alarms	<u>CLOSED/RESOLVED</u>
ATLANTIC PETROLEUM, INC	180128	NC	E32908	9/27/2017	9/27/2017	461	fix ISD readiness alarm; missing ISD alarm log; missing repair receipts; missing Healy weekly inspections	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P62085	9/28/2017	8/30/2017	2004	Failure to submit a 2016 Compliance Year APEP report by August 29, 2017.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
BAKER COMMODITIES INC	800016	NOV	P64374	11/11/2017	8/30/2017	2004	Failure to submit an Annual Permit Emission Program (APEP) report on or before the last day of the reconciliation period for the 2016 Compliance Year	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P67305	10/2/2018	9/12/2018	2004(F)(1)	Failure to comply with permit conditions: C6.3, C6.14, and C3.11	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P67305	10/2/2018	9/12/2018	3002(C)(1)	Failure to comply with permit conditions: C6.3, C6.14, and C3.11	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P67306	10/19/2018	7/1/2017	2004	Exceeded RTC balance for CY 2017 Q4.	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P67306	10/19/2018	7/1/2017	2004(D)	Exceeded RTC balance for CY 2017 Q4.	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NOV	P67307	10/30/2018	7/1/2017	2004	Inaccurate QCER for Q3 CY 2017.	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NC	E37019	11/1/2016	11/1/2016	2004	Failure to timely submit the QCER for the CY 2015 1st QTR Failure to use correct Missing Data Procedures for March and April 2016 for large source C215	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NC	E37019	11/1/2016	11/1/2016	2012	Failure to timely submit the QCER for the CY 2015 1st QTR Failure to use correct Missing Data Procedures for March and April 2016 for large source C215	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
BAKER COMMODITIES INC	800016	NC	E39365	11/11/2017	7/1/2017	2004	Inaccurate APEP and QCERs for the 1st, 2nd, and 3rd QTRs	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NC	E41624	9/14/2018	5/3/2018	415	Submit a letter of intent to fully enclose odor emitting operations.	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NC	E41625	10/2/2018	9/12/2018	2004(F)(1)	Post sign complying with 415(i)(1). Repair concrete or asphalt in the raw materials receiving area. Put a cover on D201.	<u>CLOSED/RESOLVED</u>
BAKER COMMODITIES INC	800016	NC	E41625	10/2/2018	9/12/2018	415	Post sign complying with 415(i)(1). Repair concrete or asphalt in the raw materials receiving area. Put a cover on D201.	<u>CLOSED/RESOLVED</u>
BESTIA	186459	NC	E41934	12/28/2017	12/28/2017	222	Register Charbroiler	<u>CLOSED/RESOLVED</u>
BON APPETIT BAKERY	183733	NC	E40046	9/20/2017	9/20/2017	203	Records for: (i) hours of operation (ii) materials used/processed (iii) fuel usage (iv) throughput (v) operating parameters all data necessary for both boilers. Provide permits for all permitted equipment.	<u>CLOSED/RESOLVED</u>
BON APPETIT BAKERY	183733	NC	E40046	9/20/2017	9/20/2017	222	Records for: (i) hours of operation (ii) materials used/processed (iii) fuel usage (iv) throughput (v) operating parameters all data necessary for both boilers. Provide	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							permits for all permitted equipment.	
BONAMI, INC.	129105	NOV	P70834	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8909	<u>CLOSED/RESOLVED</u>
BONAMI, INC.	129105	NOV	P72028	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9349	<u>CLOSED/RESOLVED</u>
BRITE PLATING CO INC	42645	NOV	P64856	10/25/2017	5/21/2015	1469	Failure to demonstrate compliance with the emission limit for chrome plating by the effective date of 10_24_09 for chrome plating tanks #16 & #70. Failure to submit pretest protocol no later than 8 months prior to the effective date of 10_24_09.	<u>CLOSED/RESOLVED</u>
BRITE PLATING CO INC	42645	NC	E38928	5/18/2017	5/18/2017	1469	Submit annual Ongoing Compliance Status & Emissions Report no later than February 1st of each year.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
BRITE PLATING CO INC	42645	NC	E45107	12/19/2018	12/19/2018	203	1) Prior to operating tank 70 or chrome containing plating operation have appropriate permit if applicable 2) Have paint spray booths show differential pressure at appropriate inches of H2O (i.e. < 0.25" H2O	<u>CLOSED/RESOLVED</u>
BURLINGTON NORTHERN SANTA FE RAILWAY	139770	NOV	P71120	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217316731	<u>CLOSED/RESOLVED</u>
BURLINGTON NORTHERN/SANTA FE RAILWAY CO	109461	NOV	P64134	5/24/2017	6/17/2014	201	Altering permitted gasoline dispensing station with a major modification without first obtaining a permit to construct and operating modified gasoline dispensing station without a valid permit to operate.	<u>CLOSED/RESOLVED</u>
BURLINGTON NORTHERN/SANTA FE RAILWAY CO	109461	NOV	P64134	5/24/2017	6/17/2014	203 (A)	Altering permitted gasoline dispensing station with a major modification without first obtaining a permit to construct and operating modified gasoline dispensing station without a valid permit to operate.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
BURLINGTON NORTHERN/SANT A FE RAILWAY CO	109461	NC	E22362	4/20/2017	4/19/2017	42303	1) Provide yearly gasoline throughput log for 2015 and 2016  2) Provide EVR installation date for gasoline dispensing station  3) Provide SLC compliance information for gasoline dispensing station	<u>CLOSED/RESOLVED</u>
CAL ELECTROPLATING INC	9120	NC	E43815	5/31/2018	2/1/2018	1469	Submit Ongoing Compliance Status & Emission Report on or Before February 1	<u>CLOSED/RESOLVED</u>
CAL ST UNIV LA	24006	NOV	P71386	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1047	<u>CLOSED/RESOLVED</u>
CALIFORNIA HIGHWAY PATROL	119778	NOV	P71647	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 3675	<u>CLOSED/RESOLVED</u>
CALIFORNIA WATER SERVICE CO	31367	NOV	P71066	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
							Mail Tracking #70171450000217315239	
CALMAT CO	107655	NC	E40879	9/29/2017	9/29/2017	2004	Submit QCER in manner and form specified by AQMD, Attach form CERE with QCER corrections	<u>CLOSED/RESOLVED</u>
CALMAT CO	107655	NC	E42296	10/18/2018	10/18/2018	UNKNOWN	Provide documents necessary to complete the 2017 RECLAIM audit.	<u>CLOSED/RESOLVED</u>
CALTRANS, COMMERCE MAINT STATION	25368	NC	E38150	1/20/2017	1/20/2017	PERP 2460	need to contact the District 45 days by sumitting Appointment Request Form	<u>CLOSED/RESOLVED</u>
CARDLOCK FUELS SYSTEM, INC	103651	NOV	P71908	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8175	<u>CLOSED/RESOLVED</u>
CELLUPHONE INC.	145311	NC	E34127	1/22/2016	1/22/2016	1415	Reregister A/C units under Rule 1415	<u>CLOSED/RESOLVED</u>
CERAMIC DECORATING CO INC	559	NOV	P60529	8/12/2016	8/12/2016	401(B)(1)(B)	R401(b)(1)(B): VEE > 20% opacity, more than 3 minutes in one hour.	<u>CLOSED/RESOLVED</u>
CITY OF COMMERCE, TRANSPORTATION DEPT	143022	NOV	P71097	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217316496	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
CITY OF COMMERCE, TRANSPORTATION DEPT	143022	NOV	P71709	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4306	<u>CLOSED/RESOLVED</u>
CLASSIC CONCEPTS	179065	NC	E38496	2/23/2017	2/23/2017	1171	203b Install a gauge to measure inches of water in accordance with permit conditions, 1171 use compliant cleaning solvents when cleaning spray guns	<u>CLOSED/RESOLVED</u>
CLASSIC CONCEPTS	179065	NC	E38496	2/23/2017	2/23/2017	203 (B)	203b Install a gauge to measure inches of water in accordance with permit conditions, 1171 use compliant cleaning solvents when cleaning spray guns	<u>CLOSED/RESOLVED</u>
CLASSIC CONCEPTS	179065	NC	E38497	2/23/2017	2/23/2017	42303	H&S 42303 Provide a copy of VOC usage records for the last 2 years for permitted units	<u>CLOSED/RESOLVED</u>
COMAN	182214	NC	E26346	5/4/2016	5/4/2016	1415.1	1) apply for SCAQMD permit for three boilers and new deep fat fryer; 2) register refrigeration system with CARD under RMP; and 3)	<u>CLOSED/RESOLVED</u>
COMAN	182214	NC	E26346	5/4/2016	5/4/2016	203 (A)	1) apply for SCAQMD permit for three boilers and new deep fat fryer; 2) register refrigeration system with CARD under RMP; and 3)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
COMAN	182214	NC	E37680	1/4/2017	1/4/2017	203 (A)	1) Submit permit apps for hot oil fryer, hot oil heater, fryer scrubber system,  2) do not operate the above equipment w/o SCAQMD P/Os.	<u>CLOSED/RESOLVED</u>
COMMAND PACKAGING	106151	NC	E28851	2/23/2016	2/10/2016	42303	PRIOR TO ANYMORE JACK HAMMERING IN PARKING LOT (CONSTRUCTION ACTIVITY) NEAR EXIDES/AQMD SAMPLERS DO THE FOLLOWING: COVER THE DISTURBED SURFACE AREA OF ASPHALT/PARKING LOT TO PREVENT FUGITIVE DUST EMISSIONS.	<u>CLOSED/RESOLVED</u>
COMMERCE INDUSTRIAL PARK, LLC	152877	NC	E42883	3/1/2018	3/1/2018	206	R206 Post Permit F93125 within 8 meters of permitted equipment	<u>CLOSED/RESOLVED</u>
COMMERCE PETRO FUEL, LLC, R&L SARABI, DBA	129550	NOV	P72034	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9400	<u>CLOSED/RESOLVED</u>
COMMERCE PETRO FUEL, LLC, R&L SARABI, DBA	129550	NC	E34781	3/25/2016	3/25/2016	461	FUELING POINT #5 - REPLACE TOP SHEAR PIN AT HEALY BREAKAWAY. PROVIDE RECORDS: 2014, 2015 & 2016 PERIODIC COMPLIANCE INSPECTION REPORTS; 2016 WEEKLY INSPECTIONS TO DATE;	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							2016 DAILY MAINTENANCE INSPECTIONS TO DATE. PROVIDE MAR 2012 - FEB 2016 UPDATED	
COMMERCE PETRO FUEL, LLC, R&L SARABI, DBA	129550	NC	E34781	3/25/2016	3/25/2016	461(C)(2)(B)	FUELING POINT #5 - REPLACE TOP SHEAR PIN AT HEALY BREAKAWAY. PROVIDE RECORDS: 2014, 2015 & 2016 PERIODIC COMPLIANCE INSPECTION REPORTS; 2016 WEEKLY INSPECTIONS TO DATE; 2016 DAILY MAINTENANCE INSPECTIONS TO DATE. PROVIDE MAR 2012 - FEB 2016 UPDATED	<u>CLOSED/RESOLVED</u>
CONTINENTAL VITAMIN COMPANY, INC.	184119	NC	E38483	2/15/2017	2/7/2017	203 (A)	203a Apply for a district permit for 374 gallon max cap mixer	<u>CLOSED/RESOLVED</u>
COUNTY OF LOS ANGELES FIRE DEPARTMENT	187929	NC	E42488	7/20/2018	7/20/2018	203	Register diesel fired pressure washer and submit permit application for handheld plasma cutter used to cut stainless steel.	<u>CLOSED/RESOLVED</u>
COUNTY OF LOS ANGELES FIRE DEPARTMENT	187929	NC	E42488	7/20/2018	7/20/2018	222	Register diesel fired pressure washer and submit permit application for handheld plasma cutter used to cut stainless steel.	<u>CLOSED/RESOLVED</u>
CULINARY INTERNATIONAL, LLC	187110	NC	E32915	3/28/2018	3/28/2018	1415.1	register both refrigeration units on site with CARB	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P63560	10/10/2017	1/1/2016	2004	D&D Disposal Inc., West Coast Rendering Co submitted Inaccurate QCERs for quarters 1, 2, 3, & 4 for the 2016 CY & submitted an Inaccurate APEP for the 2016 CY	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P66156	2/20/2018	2/20/2018	2004(F)(1)	The Selective Catalytic Reduction (SCR) unit C41 was being operated at temperatures below 350 degrees Fahrenheit; in violation of permit to operate FPO# 50098 condition C8.5	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P66160	5/24/2018	10/1/2017	2004	Failure of facility permit holder to submit APEP report with accurate emissions. Failure of Facility Permit Holder to comply with all rules and permit conditions applicable to the facility, as specified in the facility permit.	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P66160	5/24/2018	10/1/2017	2004(F)(1)	Failure of facility permit holder to submit APEP report with accurate emissions. Failure of Facility Permit Holder to comply with all rules and permit conditions applicable to the facility, as specified in the facility permit.	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P66165	10/19/2018	1/1/2017	2004	Failed to reconcile quarterly NOx emissions in the last quarter; NOx emissions from the beginning of 2017 compliance year through the end of the last quarter exceeded the annual NOx emissions	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							allocation in effect at the end of the reconciliation period	
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NOV	P66165	10/19/2018	1/1/2017	2004(D)	Failed to reconcile quarterly NOx emissions in the last quarter; NOx emissions from the beginning of 2017 compliance year through the end of the last quarter exceeded the annual NOx emissions allocation in effect at the end of the reconciliation period	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NC	E41969	2/20/2018	2/13/2018	222	Submit a R222 registration for Industrial Cooling Tower	<u>CLOSED/RESOLVED</u>
D&D DISPOSAL INC, WEST COAST RENDERING CO	50098	NC	E45014	10/26/2018	2/13/2018	415	Submit Letter of Intent to enclose per R415	<u>CLOSED/RESOLVED</u>
D&J CUSTOM BENCHMARKS	178233	NC	E38489	2/15/2017	2/15/2017	109	109 Provide VOC usage logs in accordance with permit conditions for paint spray booth	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NOV	P56339	2/16/2016	2/11/2016	2004(F)(1)	Failure to comply with permit conditions regulating the operation of Scrubbers C123, C144, C146 and Regenerative Thermal Oxidizer C153.	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NOV	P56340	5/10/2016	5/6/2016	2004(F)(1)	Failure to operate RTO during operation of the equipment the RTO controls	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
DARLING INGREDIENTS INC.	63180	NOV	P67304	8/14/2018	1/1/2017	2012	See Report	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NOV	P67304	8/14/2018	1/1/2017	2012(C)(2)(A)	See Report	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NOV	P67304	8/14/2018	1/1/2017	2012(H)(6)	See Report	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NC	E25349	1/12/2016	12/30/2014	2012	Provide relative accuracy audits for the fuel flow meters for Device I.D.'s C124 and C153 to complete test requirements for source test performed 12/30/2014 & ensure future source tests include RAAs.	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NC	E41622	7/13/2018	10/31/2016	42303	Provide requested data: 1. Provide RATA report conducted on 3/3/16 on D222 with proof of mailing to SCAQMD. 2. Provide CEMS data, 15 minute, 1 hour, and daily, serving D222 from 3/3/16 to 12/31/17. 3. Provide requested information on a hard drive...	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NC	E41623	8/14/2018	3/2/2018	2004	Submit accurate QCER and APEP.	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NC	E45660	10/9/2018	10/4/2018	415	Submit letter of intent per Rule 415.	<u>CLOSED/RESOLVED</u>
DARLING INGREDIENTS INC.	63180	NC	E45661	10/18/2018	10/4/2018	415	Post sign in compliance with R415.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	NOV	P68056	6/15/2018	6/15/2018	203 (A)	Operation of an oven without a current active permit with the AQMD	<u>CLOSED/RESOLVED</u>
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	NC	E39446	7/12/2017	7/12/2017	203	1) Renew expired permit under P/O G28923 2) Provide log for unburned diesel soot throughput for permitted oven	<u>CLOSED/RESOLVED</u>
DEPARTMENT OF TRANS DIV OF EQUIP COMMERC	176076	NC	E39446	7/12/2017	7/12/2017	42303	1) Renew expired permit under P/O G28923 2) Provide log for unburned diesel soot throughput for permitted oven	<u>CLOSED/RESOLVED</u>
DESK MAKERS INC.	146617	NC	E42881	2/8/2018	2/8/2018	109	R109 Keep records of VOC usage in accordance with permit conditions, R1136 Use compliant coating materials including but not limited to: Universal Lacquer Retarder, R203(b) Keep PSB in good condition with filters properly installed.	<u>CLOSED/RESOLVED</u>
DESK MAKERS INC.	146617	NC	E42881	2/8/2018	2/8/2018	1136	R109 Keep records of VOC usage in accordance with permit conditions, R1136 Use compliant coating materials including but not limited to: Universal Lacquer Retarder, R203(b) Keep PSB in good condition with filters properly installed.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
DESK MAKERS INC.	146617	NC	E42881	2/8/2018	2/8/2018	203 (B)	R109 Keep records of VOC usage in accordance with permit conditions, R1136 Use compliant coating materials including but not limited to: Universal Lacquer Retarder, R203(b) Keep PSB in good condition with filters properly installed.	<u>CLOSED/RESOLVED</u>
EAST LOS ANGELES COLLEGE	13854	NOV	P60535	3/29/2017	3/1/2017	3002(C)(1)	3002(c)(1): submit late 500 SAM, due 2/28/17	<u>CLOSED/RESOLVED</u>
EAST LOS ANGELES COLLEGE	13854	NOV	P71250	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70150640000471798706	<u>CLOSED/RESOLVED</u>
EAST LOS ANGELES COLLEGE	13854	NOV	P65577	4/25/2018	4/20/2018	1146.1	Late 500_SAM for 1/1/17 through 6/30/17 period. Failure to perform quarterly portable analyzer testing for six Camus boilers. Failure to maintain monthly generator logs for all units on site.	<u>CLOSED/RESOLVED</u>
EAST LOS ANGELES COLLEGE	13854	NOV	P65577	4/25/2018	4/20/2018	1470	Late 500_SAM for 1/1/17 through 6/30/17 period. Failure to perform quarterly portable analyzer testing for six Camus boilers. Failure to maintain monthly generator logs for all units on site.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
EAST LOS ANGELES COLLEGE	13854	NOV	P65577	4/25/2018	4/20/2018	3002(C)(1)	Late 500_SAM for 1/1/17 through 6/30/17 period. Failure to perform quarterly portable analyzer testing for six Camus boilers. Failure to maintain monthly generator logs for all units on site.	<u>CLOSED/RESOLVED</u>
EAST LOS ANGELES COLLEGE	13854	NC	E41466	4/25/2018	4/20/2018	1415	Submit AC/Chiller registration for units with refrigerant charge over 50 lbs.	<u>CLOSED/RESOLVED</u>
EMILE'S MOBIL, EMILE KHEIR	171485	NOV	P72550	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 7286	<u>CLOSED/RESOLVED</u>
EVERGREEN MEMORIAL SERVICES, INC.	188027	NOV	P62764	9/14/2018	8/24/2018	203	failure to install and maintain strip chart or other temperature gauge recorders as required by permit conditions	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124805	NOV	P67460	12/13/2018	9/5/2018	1420.2	Discharging emissions into the atmosphere which contribute to ambient air concentrations of lead that exceed 0.100 ug/m3 averaged over any 30 consecutive days. Failure to adequately clean all required areas.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
EXIDE TECHNOLOGIES	124805	NOV	P67460	12/13/2018	9/5/2018	221	Discharging emissions into the atmosphere which contribute to ambient air concentrations of lead that exceed 0.100 ug/m3 averaged over any 30 consecutive days. Failure to adequately clean all required areas.	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124805	NC	E43771	9/18/2018	9/18/2018	1420.2	Provide split samples for ambient air monitoring samples obtained from monitors A, B, C from three dates in June, 2018. Provide results of ambient air lead monitoring, wind monitoring, and other data specified by Rule 1420.2(e) for the month of June, 2018.	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124805	NC	E43772	9/18/2018	9/18/2018	42303	VOID	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124838	NOV	P64561	10/15/2016	6/23/2016	1420	1) Operating contrary to Rule 1420 compliance plan. Failed to contact District within 4 hours of discovery or within reasonable time of discovery of breakdown. 2) Failure to continuously record wind speed and direction at all times using approved equipment	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
EXIDE TECHNOLOGIES	124838	NOV	P64561	10/15/2016	6/23/2016	1420.1	1) Operating contrary to Rule1420 compliance plan. Failed to contact District within 4 hours of discovery or within reasonable time of discovery of breakdown. 2) Failure to continuously record wind speed and direction at all times using approved equipment	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124838	NOV	P64561	10/15/2016	6/23/2016	221	1) Operating contrary to Rule1420 compliance plan. Failed to contact District within 4 hours of discovery or within reasonable time of discovery of breakdown. 2) Failure to continuously record wind speed and direction at all times using approved equipment	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124838	NOV	P63309	5/31/2018	4/16/2018	3002	FAILED TO NOTIFY AQMD, 800.CUT_SMOG, REGARDING THE PURPOSED CLEANING OF A VEHICLE OUTSIDE THE TRUCK WASH STATION PRIOR TO (1) HOUR OF THE WET CLEANING.	<u>CLOSED/RESOLVED</u>
EXIDE TECHNOLOGIES	124838	NC	E34663	3/10/2016	3/9/2016	3002	MAINTAIN ACCURATE RECORDS OF OPERATIONS, SPECIFICALLY LOG "ALL VEHICLES ENTERING/LEAVING PLANT" FOR WEDNESDAY 3/9/16 (INCORRECTLY RECORDED AS "3/10/16")	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
FAIRMOUNT TERRACE	181951	NC	E38660	3/14/2017	3/14/2017	203 (B)	Maintain generator operating logs for permitted generator	<u>CLOSED/RESOLVED</u>
FAIRMOUNT TERRACE	184317	NOV	P64128	3/21/2017	1/8/2015	201	Failure to obtain a valid permit to construct prior to installing an emergency generator driven by a diesel ICE rated to >50 HP. Failure to obtain a valid permit to operate prior to operating an emergency generator driven by a diesel ICE rated to >50 HP.	<u>CLOSED/RESOLVED</u>
FAIRMOUNT TERRACE	184317	NOV	P64128	3/21/2017	1/8/2015	203(A)	Failure to obtain a valid permit to construct prior to installing an emergency generator driven by a diesel ICE rated to >50 HP. Failure to obtain a valid permit to operate prior to operating an emergency generator driven by a diesel ICE rated to >50 HP.	<u>CLOSED/RESOLVED</u>
FAIRMOUNT TERRACE	184317	NC	E38661	3/14/2017	3/14/2017	42303	Provide date and year of install for Olympian generator on site. Provide charge capacity for air conditioning system	<u>CLOSED/RESOLVED</u>
FEDEX GROUND	180288	NC	E38495	2/23/2017	2/23/2017	1470	1470 Keep and maintain records in accordance with permit conditions	<u>CLOSED/RESOLVED</u>
FELBRO, INC.	58842	NOV	P65271	10/12/2018	7/23/2013	203 (B)	Operating a natural gas-fired drying and curing oven contrary to SCAQMD Permit to Operate G24071 Conditions #7 and #8	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	<u>Case Status</u>
FELBRO, INC.	58842	NC	E32921	9/27/2018	9/27/2018	42303	Provide records of total pounds of powder coating used from 01-01-18 to 09-30-18, Provide copy of source test report for Maxon Low NOx burner installed on oven under Permit G24071	<u>CLOSED/RESOLVED</u>
FIXCARNOW, INC.	171918	NC	E42484	6/7/2018	6/7/2018	109	Submit permit application and maintain 109 recordkeeping.	<u>CLOSED/RESOLVED</u>
FIXCARNOW, INC.	171918	NC	E42484	6/7/2018	6/7/2018	203	Submit permit application and maintain 109 recordkeeping.	<u>CLOSED/RESOLVED</u>
FLAVURENCE CORPORATION	146284	NC	E38672	4/17/2017	4/17/2017	42303	1) Usage logs for all permitted mixers 2) Usage logs for Propylene Glycol and Ethyl Alcohol 3) Installation date for Intelligent baghouse	<u>CLOSED/RESOLVED</u>
FOOTE AXLE & FORGE CO INC	4713	NC	E42040	1/31/2018	1/31/2018	222	Register cooling tower per Rule 222.	<u>CLOSED/RESOLVED</u>
FREUND BAKING COMPANY	112573	NC	E38662	3/17/2017	3/16/2017	1147	Resubmit application packet for afterburner low NOx retrofit	<u>CLOSED/RESOLVED</u>
GEORGE INDUSTRIES	24209	NC	E38658	3/7/2017	3/7/2017	42303	Provide all boiler monitoring test records for 2015 to 2016	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
GEORGE INDUSTRIES	24209	NC	E38665	3/28/2017	3/28/2017	1146	Conduct periodic portable analyzer testing per schedule stated in rule 1146	<u>CLOSED/RESOLVED</u>
GEORGE INDUSTRIES	24209	NC	E38670	4/11/2017	4/11/2017	203 (A)	Fix east scrubber (P/O F54147) flow meter and submit permit modification for anodizing lines under P/O F54681 and F54145)	<u>CLOSED/RESOLVED</u>
GEORGE INDUSTRIES	24209	NC	E38670	4/11/2017	4/11/2017	203 (B)	Fix east scrubber (P/O F54147) flow meter and submit permit modification for anodizing lines under P/O F54681 and F54145)	<u>CLOSED/RESOLVED</u>
GEORGE INDUSTRIES	24209	NC	E22370	4/28/2017	4/28/2017	42303	provide MSDS/SDS for all chemicals used in anodizing line	<u>CLOSED/RESOLVED</u>
GOLDEN STATE ENTERPRISES, LLC	176443	NC	E32909	9/28/2017	9/28/2017	41960.2	repair or replace loose spout on nozzle 2; replace hose with exposed metal threading on nozzle 6	<u>CLOSED/RESOLVED</u>
GOLDEN WEST FOOD GROUP	176105	NC	E36636	7/29/2016	7/20/2016	222	Register a boiler rated 1-2 MMBTU/hr.	<u>CLOSED/RESOLVED</u>
HEALTH CARE EMPLOYEES UNION LOCAL 399	142488	NC	E34404	1/19/2016	1/19/2016	42303	Provide generator maintenance and operation records	<u>CLOSED/RESOLVED</u>
HERNANDEZ DRY CLEANING SERVICES	170343	NC	E32918	9/4/2018	9/4/2018	203	obtain permit to operate for Lindus dry cleaning machine Model PM 60 FD with serial number 31077	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	<u>Case Status</u>
INKSOLUTIONS LLC	154129	NC	E22363	4/25/2017	4/25/2017	1155	1) Provide records for all ink/coating MFG equipment (Permit Requirement) and facility VOC usage (R1141.1 Requirement) 2) Conduct and record weekly VEE for Baghouse under P/O F95721 (R1155 Requirement) 3) Keep Baghouse P/O F95721 in compliant condition	<u>CLOSED/RESOLVED</u>
INKSOLUTIONS LLC	154129	NC	E22363	4/25/2017	4/25/2017	203	1) Provide records for all ink/coating MFG equipment (Permit Requirement) and facility VOC usage (R1141.1 Requirement) 2) Conduct and record weekly VEE for Baghouse under P/O F95721 (R1155 Requirement) 3) Keep Baghouse P/O F95721 in compliant condition	<u>CLOSED/RESOLVED</u>
INKSOLUTIONS LLC	154129	NC	E22363	4/25/2017	4/25/2017	42303	1) Provide records for all ink/coating MFG equipment (Permit Requirement) and facility VOC usage (R1141.1 Requirement) 2) Conduct and record weekly VEE for Baghouse under P/O F95721 (R1155 Requirement)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							3) Keep Baghouse P/O F95721 in compliant condition	
INTERNATIONAL PAPER	179129	NC	E36310	8/11/2016	8/11/2016	42303	Provide monthly VOC logs for each press, boiler PAT, boiler source test and weekly VEE	<u>CLOSED/RESOLVED</u>
JOE'S BODY SHOP	134274	NC	E34704	1/29/2016	1/29/2016	42303	Provide picture of spray gun cleaner and spray booth filters	<u>CLOSED/RESOLVED</u>
JOSE AUTO BODY SHOP	138087	NOV	P65270	10/4/2018	9/6/2018	1151(E)(1)	possession of non-compliant automotive clear coatings; use of non-compliant general surface preparation solvent for coating applications	<u>CLOSED/RESOLVED</u>
JOSE AUTO BODY SHOP	138087	NOV	P65270	10/4/2018	9/6/2018	1171(C)(1)(A)(I)	possession of non-compliant automotive clear coatings; use of non-compliant general surface preparation solvent for coating applications	<u>CLOSED/RESOLVED</u>
JOSE AUTO BODY SHOP	138087	NC	E32919	9/6/2018	9/6/2018	42303	provide VOC records of materials used in spray booth per Rule 109 from 1/1/18 to present; provide SDS of "Diana Prix Kolor Prix," Grow Automotive "HET 1380," DECTRON DCU 2021 Concept	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
							urethane clear and DC4000 Velocity Premium Clearcoat	
JUAN M.TORO DBA SLOAN'S DRY CLEANERS	174692	NC	E37682	2/9/2017	2/9/2017	1102	1) Maintain inspection records on site for Perc dry clean machine per R1421;  2) maintain inspection records on site for hydrocarbon dry clean machine per R1102; 3) replace gaskets  and clean cooling coils every 2 years per R1421.	<u>CLOSED/RESOLVED</u>
JUAN M.TORO DBA SLOAN'S DRY CLEANERS	174692	NC	E37682	2/9/2017	2/9/2017	1421	1) Maintain inspection records on site for Perc dry clean machine per R1421;  2) maintain inspection records on site for hydrocarbon dry clean machine per R1102; 3) replace gaskets  and clean cooling coils every 2 years per R1421.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P61611	1/12/2016	10/31/2014	2004	Failed to submit a QCER for Quarter 3 of 2014 CY. Failed to conduct a source test on Process Unit D14 by the required due date of 12/31/14. Failed to report R219 emissions electronically in Quarters 3 and 4.	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P61611	1/12/2016	10/31/2014	2012 APPEN A	Failed to submit a QCER for Quarter 3 of 2014 CY. Failed to conduct a source test on Process Unit D14 by the required due date of 12/31/14. Failed to report R219 emissions electronically in Quarters 3 and 4.	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P62067	5/3/2016	3/1/2016	2004	Failure to submit the 2015 compliance year APEP report by February 29, 2016.	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P61735	12/29/2016	1/1/2015	2004(F)(1)	Failure to submit 500_SAM & 500_ACC by due dates. Failure to monitor temp& pressure at dedicated fuel meters to report at standard conditions_D8&D9 (temp probe not installed. Failure to monitor at standard conditions for Large and Process	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P61735	12/29/2016	1/1/2015	2012 APPEN A	Failure to submit 500_SAM & 500_ACC by due dates. Failure to monitor temp& pressure at dedicated fuel meters to report at standard conditions_D8&D9 (temp probe not installed. Failure to	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							monitor at standard conditions for Large and Process	
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P61735	12/29/2016	1/1/2015	3002(C)(1)	Failure to submit 500_SAM & 500_ACC by due dates. Failure to monitor temp& pressure at dedicated fuel meters to report at standard conditions_D8&D9 (temp probe not installed. Failure to monitor at standard conditions for Large and Process	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P64410	2/9/2017	1/1/2016	2004	1.failed to reconcile NOx emissions in the 3rd quarter of the 2016 compliance year 2.NOx emissions from the beginning of the 2016 compliance year through the end of the 3rd quarter exceeded the annual NOx emissions allocation in effect at the end of the	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P60280	5/5/2017	1/1/2016	2012 APPEN A	Failure to monitor temperature at dedicated fuel meters to report at standard fuel conditions (D6 and D10 were operating while temp probe not installed); failing to report the following NOx emissions electronically: NPF (D14, Q3), NPF (D47, Q2), NRF (natu)	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P64381	4/25/2018	9/1/2017	3002(C)(1)	Failure to timely submit Form 500 SAM for the period 01/01/17 _ 06/30/17	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P64384	5/23/2018	4/1/2017	2004	Inaccurate CY2017 APEP Inaccurate QCERs for the CY2017 2nd and 3rd QTRs Failure to submit quarterly electronic emissions reports for process units D1 and D4 for the CY2017 4th QTR	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NOV	P64384	5/23/2018	4/1/2017	2012	Inaccurate CY2017 APEP Inaccurate QCERs for the CY2017 2nd and 3rd QTRs Failure to submit quarterly electronic emissions reports for process units D1 and D4 for the CY2017 4th QTR	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NC	E28726	1/12/2016	3/31/2015	2012	Use the correct permitted emission factor for D47 to report emissions. Conduct a source test every 5-year period for D47. Report Large Source and Process Unit emissions electronically using all available record identifiers. Report emissions electronically	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NC	E28726	1/12/2016	3/31/2015	2012 APPEN A	Use the correct permitted emission factor for D47 to report emissions. Conduct a source test every 5-year period for D47. Report Large Source and Process Unit emissions electronically using all available record identifiers. Report emissions electronically	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NC	E30137	5/5/2017	1/1/2017	2004	1) Report any quarterly certificate of emissions with accuracy (QCER), and 2) Report accurately on Annual Permit Emissions Program (APEP)	<u>CLOSED/RESOLVED</u>
KAISER ALUMINUM FABRICATED PRODUCTS, LLC	16338	NC	E30137	5/5/2017	1/1/2017	2004(D)	1) Report any quarterly certificate of emissions with accuracy (QCER), and 2) Report accurately on Annual Permit Emissions Program (APEP)	<u>CLOSED/RESOLVED</u>
KECK HOSPITAL OF USC	159449	NOV	P64138	9/8/2017	4/25/2017	1146	Failure to comply with condition #7 of P/O G3299, 3304, and G3298 for failing to conduct R1146 source test. Failing to demonstrate compliance to R1146 by failing to conduct source test for three permitted boilers.	<u>CLOSED/RESOLVED</u>
KECK HOSPITAL OF USC	159449	NOV	P64138	9/8/2017	4/25/2017	203 (B)	Failure to comply with condition #7 of P/O G3299, 3304, and G3298 for failing to conduct R1146 source test. Failing to demonstrate compliance to R1146 by failing to conduct source test for three permitted boilers.	<u>CLOSED/RESOLVED</u>
KECK HOSPITAL OF USC	159449	NC	E38669	4/11/2017	4/11/2017	42303	1) Initial source test and portable analyzer test reports for cardinal tower boilers  2) Source test and portable analyzer test reports for Gold tower boilers	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
KING MEAT SERVICE, INC.	181182	NC	E38849	7/11/2017	7/11/2017	42303	H&S 42303 Please provide the last 2 year's worth of source test for boilers or last available test if longer than two years	<u>CLOSED/RESOLVED</u>
KING MEAT SERVICE, INC.	181182	NC	E40551	7/25/2017	7/25/2017	1146	1146 Conduct and Maintain all test (sources, portable analyzer, tune up, etc.) in accordance with permit and rule specifications and make records available upon request	<u>CLOSED/RESOLVED</u>
KING MEAT SERVICE, INC.	181182	NC	E40043	8/31/2017	8/31/2017	1146	Portable analyzer test must be done consecutively for three (3) months	<u>CLOSED/RESOLVED</u>
LA CITY, DEPT GEN SERV	117374	NOV	P70992	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217315802	<u>CLOSED/RESOLVED</u>
LA CITY, DEPT OF GEN SERV	11	NC	E37221	11/22/2016	11/22/2016	TITLE13AR TICLE5S	Maintain registration certificate with equipment at all times (CARB# 151738)	<u>CLOSED/RESOLVED</u>
LA CO, FLOOD CONTROL DIST	12998	NC	E44470	10/3/2018	9/28/2018	461	R461 (c)(3)(P) _ Replace torn hose on Nozzle# 1	<u>CLOSED/RESOLVED</u>
LA CO., DEPT OF PUBLIC WORKS (ROAD DEPT)	13194	NC	E38852	3/9/2017	3/9/2017	TITLE13AR TICLE5S	need to correct serial number on CARB Certificate to reflect faceplate on engine	<u>CLOSED/RESOLVED</u>
LA CO., FIRE STA #27	70446	NC	E39438	6/8/2017	6/7/2017	461	Conduct reverification test on the same month every year	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
LA CO., FIRE STA #3	25649	NC	E39437	6/8/2017	6/8/2017	461	Conduct reverification test on the same month every year.	<u>CLOSED/RESOLVED</u>
LA CO., INTERNAL SERVICES DEPT	18337	NC	E35731	11/1/2017	11/1/2017	PERP 2460	Submit an appointment request within 45 days of registration or renewal.	<u>CLOSED/RESOLVED</u>
LA CO., METROPOLITAN TRANS AUTHORITY	53610	NC	E42241	2/28/2018	2/28/2018	3002	Submit title V modification application, comply w/ PSB pressure drop requirements, install separate fuel meters for PSB heaters and keep records, register cooling tower for dynamometer, submit permit application for plasma cutter for stainless steel.	<u>CLOSED/RESOLVED</u>
LA CO., SHERIFF'S DEPT	29411	NC	E36306	7/29/2016	7/29/2016	42303	Provide tune up records for three permitted boilers during the year of 2015	<u>CLOSED/RESOLVED</u>
LA CO., SHERIFF'S DEPT	29411	NC	E38663	3/17/2017	2/16/2017	3002	Install DPF sensor for generator under P/O G14238	<u>CLOSED/RESOLVED</u>
LA CO., SHERIFF'S DEPT	29411	NC	E44472	9/26/2018	9/26/2018	3000	R3000 (b)(29) _ Responsible Official Signature for 500_SAM and incorrect signatures on 500_RO	<u>CLOSED/RESOLVED</u>
LA CO., SHERIFF'S DEPT.	68436	NC	E35732	11/1/2017	11/1/2017	PERP 2460	Submit an appointment request for equipment within 45 days of initial registration and/or renewal.	<u>CLOSED/RESOLVED</u>
LA CO., SHERIFF'S DEPT. HDQTRS	95052	NC	E34397	1/6/2016	1/6/2016	1415	Register large York chiller charged with 680 LB of R22	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
LA COUNTY SHERIFF'S DEPT	72346	NC	E36307	8/9/2016	7/29/2016	1472	Submit up to date compliance plan to account for new generator under permit # G32718	<u>CLOSED/RESOLVED</u>
LA ODD FELLOWS CEMETERY ASSOC	59	NC	E26349	7/15/2016	7/15/2016	202	conduct emission source test	<u>CLOSED/RESOLVED</u>
LA REINA INC	17056	NOV	P62759	6/1/2018	5/24/2018	203	Operating a diesel generator for electrical upgrade with expired registration. Also operating a tortilla chip fryer without a valid permit.	<u>CLOSED/RESOLVED</u>
LA REINA INC	17056	NC	E42246	5/24/2018	5/24/2018	1415.1	register process cooling tower Rule 222, and process cooling rule 1415.1	<u>CLOSED/RESOLVED</u>
LA REINA INC	17056	NC	E42246	5/24/2018	5/24/2018	222	register process cooling tower Rule 222, and process cooling rule 1415.1	<u>CLOSED/RESOLVED</u>
LAC/USC MEDICAL CENTER	20197	NOV	P64129	3/23/2017	3/3/2017	3002	FAILURE TO FOLLOW ALL CONDITIONS OF TITLE V PERMIT BY OPERATING SCR A/N 530500 AND 530501 WITH >5 PPM NH3 SLIP	<u>CLOSED/RESOLVED</u>
LAC/USC MEDICAL CENTER	20197	NOV	P70988	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217315840	<u>CLOSED/RESOLVED</u>
LAC/USC MEDICAL CENTER	20197	NC	E38659	3/9/2017	3/9/2017	42303	Provide 2016 VOC usage logs and 2017 ammonia slip test	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
LAC/USC MEDICAL CENTER	20197	NC	E39976	6/28/2017	6/28/2017	PERP 2458	2458(a) _ Must keep and provide records	<u>CLOSED/RESOLVED</u>
LAC/USC MEDICAL CENTER	20197	NC	E44468	8/29/2018	8/29/2018	3000	R3000 (b)(29) 500_SAM signed by non_listed RO	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NOV	P65256	3/29/2017	2/21/2017	201	R 201 _ build 2 PSB w/ 15 20"x20" filters w/o permit to construct, R 203(a) _ Operation of inactive permit G26394, 2 Grieve ovens exceeding 219L11 exemption, and PSB w/ 15 20"x20" filters, R 203(b) PSB gauge > .25inch H2O	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NOV	P65256	3/29/2017	2/21/2017	203 (A)	R 201 _ build 2 PSB w/ 15 20"x20" filters w/o permit to construct, R 203(a) _ Operation of inactive permit G26394, 2 Grieve ovens exceeding 219L11 exemption, and PSB w/ 15 20"x20" filters, R 203(b) PSB gauge > .25inch H2O	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NOV	P65256	3/29/2017	2/21/2017	203 (B)	R 201 _ build 2 PSB w/ 15 20"x20" filters w/o permit to construct, R 203(a) _ Operation of inactive permit G26394, 2 Grieve ovens exceeding 219L11 exemption, and PSB w/ 15 20"x20" filters, R 203(b) PSB gauge > .25inch H2O	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
LAX WHEEL REFINISHING INC	155794	NC	E26350	7/15/2016	7/15/2016	201	1) Maintain & provide powder coating usage record; and 2) apply for equipment alteration / permit modification application for the new powder coating booth for the addition of the 2nd make-up air heater.	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NC	E26350	7/15/2016	7/15/2016	202	1) Maintain & provide powder coating usage record; and 2) apply for equipment alteration / permit modification application for the new powder coating booth for the addition of the 2nd make-up air heater.	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NC	E38493	2/21/2017	2/21/2017	42303	H&S 42303 Provide records for 2016 and 2017 of all paint/powder usage, all permits to operate/construct, dates when booths were constructed, dates when booths were first used	<u>CLOSED/RESOLVED</u>
LAX WHEEL REFINISHING INC	155794	NC	E38828	3/29/2017	2/21/2017	203 (A)	R203(a) Permit modification to add second burner to permit G45171 & increase permit condition limit, as well as modification on PSB F97820 description part A & B split exhaust.	<u>CLOSED/RESOLVED</u>
LORENA APARTMENTS, LP	170277	NC	E33938	1/20/2016	1/20/2016	203 (A)	Submit application for permit to operate for emergency generator	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
MAC BRIDE AUTOMOTIVE SERVICES	148494	NOV	P72229	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1387	<u>CLOSED/RESOLVED</u>
MAC BRIDE AUTOMOTIVE SERVICES	148494	NC	E44108	4/27/2018	4/27/2018	461	RULE 461 (C)(3)(O) _ PROVIDE THE OPERATIONS AND MAINTENANCE MANUAL	<u>CLOSED/RESOLVED</u>
METRO GAS COMPANY, INC.	167111	NOV	P72485	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5967	<u>CLOSED/RESOLVED</u>
MONARCH LITHO INC	73367	NC	E44471	10/3/2018	10/3/2018	3000	R3000 (b) (29) _ Submit 500 _SAM prior to the due date	<u>CLOSED/RESOLVED</u>
MONOGRAM AEROSPACE FASTENERS	133358	NC	E43752	6/7/2018	4/27/2018	201	Obtain Permit to Operate for second Vector Corporation spray machine and two SR_Walther Troval spraying and drying machines. Maintain differential pressure gauge across scrubber media in good working condition.	<u>CLOSED/RESOLVED</u>
MONOGRAM AEROSPACE FASTENERS	133358	NC	E43752	6/7/2018	4/27/2018	203 (B)	Obtain Permit to Operate for second Vector Corporation spray machine and two SR_Walther Troval spraying and drying machines. Maintain differential	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
							pressure gauge across scrubber media in good working condition.	
NANKA SIEMEN CO, LLC	181534	NC	E40037	8/2/2017	8/2/2017	206	Permit must be posted on equipment unit (within 8 meters)	<u>CLOSED/RESOLVED</u>
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	NOV	P60099	8/11/2017	8/11/2017	461	operating a gasoline dispensing facility with uncertified In-Station Diagnostics software	<u>CLOSED/RESOLVED</u>
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	NOV	P60099	8/11/2017	8/11/2017	461(C)(2)(B)	operating a gasoline dispensing facility with uncertified In-Station Diagnostics software	<u>CLOSED/RESOLVED</u>
NAVIZADEH MINIMART & GAS, K & F NAVI INC	109396	NOV	P71924	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8311	<u>CLOSED/RESOLVED</u>
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	121416	NC	E39928	8/2/2017	8/2/2017	TITLE13AR TICLE5S	2453(g): Correct engine description on CARB Registration Certificate to reflect the engine's faceplate information properly.	<u>CLOSED/RESOLVED</u>
NONSTOP BODY SHOP	170737	NC	E38654	2/28/2017	2/28/2017	1171	Remove noncompliant gun cleaner and provide VOC usage records	<u>CLOSED/RESOLVED</u>
NONSTOP BODY SHOP	170737	NC	E38654	2/28/2017	2/28/2017	42303	Remove noncompliant gun cleaner and provide VOC usage records	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
OCTANE PLUS, INC. JACQUES MASSACHI	158096	NOV	P70564	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0312	<u>CLOSED/RESOLVED</u>
OCTANE PLUS, INC. JACQUES MASSACHI	158096	NOV	P72374	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6559	<u>CLOSED/RESOLVED</u>
OLDCASTLE GLASS, LOS ANGELES	107975	NC	E42043	2/14/2018	2/14/2018	203 (B)	Register the cooling tower. Keep/maintain engine logs for the emergency generator. Keep/maintain SDS with VOC information for inks, coatings, and sealants.	<u>CLOSED/RESOLVED</u>
OLDCASTLE GLASS, LOS ANGELES	107975	NC	E42043	2/14/2018	2/14/2018	222	Register the cooling tower. Keep/maintain engine logs for the emergency generator. Keep/maintain SDS with VOC information for inks, coatings, and sealants.	<u>CLOSED/RESOLVED</u>
OMNINET CAPITAL, LLC	184601	NC	E22366	4/26/2017	4/26/2017	1415	1) Submit Change of Ownership 2) Submit boiler registration	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							3) Submit refrigerant registration	
OMNINET CAPITAL, LLC	184601	NC	E22366	4/26/2017	4/26/2017	203 (A)	1) Submit Change of Ownership 2) Submit boiler registration 3) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
OMNINET CAPITAL, LLC	184601	NC	E22366	4/26/2017	4/26/2017	222	1) Submit Change of Ownership 2) Submit boiler registration 3) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
OMNINET LACC, LLC	184599	NC	E22368	4/26/2017	4/26/2017	1415	1) Submit Change of Ownership 2) Submit boiler registration 3) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
OMNINET LACC, LLC	184599	NC	E22368	4/26/2017	4/26/2017	203 (A)	1) Submit Change of Ownership 2) Submit boiler registration 3) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
OMNINET LACC, LLC	184599	NC	E22368	4/26/2017	4/26/2017	222	1) Submit Change of Ownership 2) Submit boiler registration 3) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
OMNINET LACC, LLC	184600	NC	E22367	4/26/2017	4/26/2017	1415	1) Submit Change of Ownership 2) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
OMNINET LACC, LLC	184600	NC	E22367	4/26/2017	4/26/2017	203 (A)	1) Submit Change of Ownership 2) Submit refrigerant registration	<u>CLOSED/RESOLVED</u>
ON TRAC	172931	NC	E42880	2/6/2018	2/6/2018	1470	1470 keep and maintain records in accordance with permit conditions	<u>CLOSED/RESOLVED</u>
OVERHILL FARMS INC	60812	NOV	P64124	8/11/2016	6/1/2015	1153.1	FAILURE TO DEMONSTRATE COMPLIANCE WITH NOX AND CO EMISSION LIMITS OUTLINED IN TABLE 1 OF R1153.1 BY THE DATE OUTLINED IN TABLE 2 OF THE SAME RULE. FAILURE TO COMPLY WITH CONDITION 7 OF PERMIT # G24418 BY EXCEEDING MONTHLY NATURAL GAS USAGE LIMIT.	<u>CLOSED/RESOLVED</u>
OVERHILL FARMS INC	60812	NOV	P64124	8/11/2016	6/1/2015	203 (B)	FAILURE TO DEMONSTRATE COMPLIANCE WITH NOX AND CO EMISSION LIMITS OUTLINED IN TABLE 1 OF R1153.1 BY THE DATE OUTLINED IN TABLE 2 OF THE SAME RULE. FAILURE TO COMPLY WITH CONDITION 7 OF PERMIT # G24418 BY EXCEEDING MONTHLY NATURAL GAS USAGE LIMIT.	<u>CLOSED/RESOLVED</u>
OVERHILL FARMS INC	60812	NC	E36309	8/11/2016	8/11/2016	42303	Provide PAT for permitted boiler under P/O G6558	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
OVERHILL FARMS, INC.	134985	NC	E27941	5/6/2016	7/11/2015	2202	Submit an annual emission reduction program (due date was 7/10/2015)	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64530	1/18/2018	11/14/2017	1420.2	**SEE REPORT TAB FOR DESCRIPTION OF VIOLATION**	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64530	1/18/2018	11/14/2017	221	**SEE REPORT TAB FOR DESCRIPTION OF VIOLATION**	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64531	2/7/2018	7/2/2017	1147	**SEE REPORT TAB FOR DESCRIPTION OF VIOLATION**	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64531	2/7/2018	7/2/2017	1420.2	**SEE REPORT TAB FOR DESCRIPTION OF VIOLATION**	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64531	2/7/2018	7/2/2017	203	**SEE REPORT TAB FOR DESCRIPTION OF VIOLATION**	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NOV	P64580	5/22/2018	3/18/2018	1420.2	1) Missing more than one valid 24_hour midnight_to_midnight sample over a consecutive 30_day period from Monitor A. 2) Failure to notify the EO of an exceedance of ambient air lead concentration ... within 24_hours of receipt of analysis followed by	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
P. KAY METAL , INC.	72937	NC	E41835	1/18/2018	11/22/2017	1420.2	1) SUBMIT COMPLIANCE PLAN FOR AMBIENT Pb > 0.120 ug/m3 AVG 30 DAYS; 2) OBTAIN PC/PO FOR TENNANT HEPA VACUUM SWEEPER & TENNANT MODEL 5700 WET SWEEPER; & 3) CORRECT PO G4474 FOR BAGHOUSE "AMBIENT" (MODEL SBD12_3 WITH 12 CARTRIDGES)	<u>CLOSED/ RESOLVED</u>
P. KAY METAL , INC.	72937	NC	E41835	1/18/2018	11/22/2017	203	1) SUBMIT COMPLIANCE PLAN FOR AMBIENT Pb > 0.120 ug/m3 AVG 30 DAYS; 2) OBTAIN PC/PO FOR TENNANT HEPA VACUUM SWEEPER & TENNANT MODEL 5700 WET SWEEPER; & 3) CORRECT PO G4474 FOR BAGHOUSE "AMBIENT" (MODEL SBD12_3 WITH 12 CARTRIDGES)	<u>CLOSED/ RESOLVED</u>
P. KAY METAL , INC.	72937	NC	E41834	1/18/2018	1/18/2018	42303	PROVIDE DAILY RESULTS AND 30_DAY ROLLING AVGS OF AMBIENT AIR Pb FROM 12/24/2017 TO 01/15/2018; ALL AMBIENT AIR VOLUMES & CALCULATIONS FROM 12/01/2017 TO 12/31/2017; SOURCE TESTS FOR FURNACE A (PO G21176), B (G21178), C (G21180), D (G21179)	<u>CLOSED/ RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
P. KAY METAL , INC.	72937	NC	E41836	2/7/2018	2/7/2018	1420.2	1) CONDUCT SOURCE TESTS FOR LEAD EMISSIONS ON LEAD POT BURNER STACKS; 2) COMPLY WITH ALL HOUSEKEEPING PRACTICES TO CONTROL FUGITIVE LEAD DUST; 3) CONDUCT ALL CONSTRUCTION OR MAINTENANCE ACTIVITIES AND SUBSEQUENT CLEAN_UP IN ACCORDANCE WITH RULE REQ.	<u>CLOSED/RESOLVED</u>
P. KAY METAL , INC.	72937	NC	E41836	2/7/2018	2/7/2018	304	1) CONDUCT SOURCE TESTS FOR LEAD EMISSIONS ON LEAD POT BURNER STACKS; 2) COMPLY WITH ALL HOUSEKEEPING PRACTICES TO CONTROL FUGITIVE LEAD DUST; 3) CONDUCT ALL CONSTRUCTION OR MAINTENANCE ACTIVITIES AND SUBSEQUENT CLEAN_UP IN ACCORDANCE WITH RULE REQ.	<u>CLOSED/RESOLVED</u>
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NOV	P57099	10/6/2017	8/30/2017	2004	Failure of Facility Permit Holder to submit Annual Permit Emission Program (APEP) report on or before 60 calendar days following the last day of the Compliance Year	<u>CLOSED/RESOLVED</u>
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NOV	P66101	10/12/2017	1/31/2017	2004	Failure of facility permit holder to submit quarterly certification of emission reports (QCERs) on or before 30 days following the end of the second and third quarters. Failure of facility permit holder to	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	<u>Case Status</u>
							submit QCERs with accurate emissions.	
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NOV	P68307	12/5/2018	2/16/2018	2012	Failed to electronically file the monthly NOx emissions report for January 2018 for Large Units D4, D6, D7, and D14 within 15 days following the end of January 2018	<u>CLOSED/RESOLVED</u>
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NC	E39933	10/12/2017	6/1/2017	2011	Electronically report monthly Large Source NOx emissions within 15 days following the end of each calendar month. Electronically report quarterly Process Unit SOx emissions within 30 days following end of quarter and 60 days after last quarter of CY.	<u>CLOSED/RESOLVED</u>
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NC	E39933	10/12/2017	6/1/2017	2012	Electronically report monthly Large Source NOx emissions within 15 days following the end of each calendar month. Electronically report quarterly Process Unit SOx emissions within 30 days following end of quarter and 60 days after last quarter of CY.	<u>CLOSED/RESOLVED</u>
PABCO BLDG PRODUCTS LLC,PABCO PAPER, DBA	45746	NC	E44154	12/5/2018	8/9/2018	2012 APPEN A	report quarterly mass emissions of NOx for D15 30 days after the end of 1st, 2nd, 3rd quarter and 60 days after end of 4th qtr., and use all electronic identifiers for NOx and SOx	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
PABCO BLDG PRODUCTS LLC, PABCO PAPER, DBA	45746	NC	E44154	12/5/2018	8/9/2018	2012(E)(2)(B)	report quarterly mass emissions of NOx for D15 30 days after the end of 1st, 2nd, 3rd quarter and 60 days after end of 4th qtr., and use all electronic identifiers for NOx and SOx	<u>CLOSED/RESOLVED</u>
PACER CARTAGE, INC.	155663	NOV	P71218	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70150640000471798386	<u>CLOSED/RESOLVED</u>
PACER CARTAGE, INC.	155663	NOV	P71741	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4627	<u>CLOSED/RESOLVED</u>
PACIFIC PALISADES LAND LLC	188539	NC	E45935	11/15/2018	11/15/2018	203	Resubmit change of ownership application and pay delinquent fees. Contact Billing Services (909) 396_2900 for correct amount owed.	<u>CLOSED/RESOLVED</u>
PACIFIC WELDING & POWDER COATING	164813	NOV	P68061	10/19/2018	10/19/2018	109	203(a) Operation of powder coating booth and baker curing oven without a valid AQMD permit. 109 & 1107(j) Failure to adhere to the use of all powder coating materials shall be maintained in the form of recordkeeping.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
PACIFIC WELDING & POWDER COATING	164813	NOV	P68061	10/19/2018	10/19/2018	1107	203(a) Operation of powder coating booth and baker curing oven without a valid AQMD permit. 109 & 1107(j) Failure to adhere to the use of all powder coating materials shall be maintained in the form of recordkeeping.	<u>CLOSED/RESOLVED</u>
PACIFIC WELDING & POWDER COATING	164813	NOV	P68061	10/19/2018	10/19/2018	203(A)	203(a) Operation of powder coating booth and baker curing oven without a valid AQMD permit. 109 & 1107(j) Failure to adhere to the use of all powder coating materials shall be maintained in the form of recordkeeping.	<u>CLOSED/RESOLVED</u>
PACIFIC WELDING & POWDER COATING	164813	NC	E44737	6/20/2018	6/20/2018	1107	R203(a) Apply for a permit for Powder Coating Booth with INACT_NR P/N G27328, R1107 Use of all powder coating materials shall be maintained in the form of records	<u>CLOSED/RESOLVED</u>
PACIFIC WELDING & POWDER COATING	164813	NC	E44737	6/20/2018	6/20/2018	203 (A)	R203(a) Apply for a permit for Powder Coating Booth with INACT_NR P/N G27328, R1107 Use of all powder coating materials shall be maintained in the form of records	<u>CLOSED/RESOLVED</u>
PROPORTION FOODS, LLC	172630	NC	E40039	8/8/2017	8/8/2017	203	Internal combustion engine must be registered with the current owner/operator, must maintain	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
							records and provide records for the last 3 years	
PROPORTION FOODS, LLC	172630	NC	E40047	9/21/2017	9/21/2017	203	provide records for deep fat fryer and total meat processed on a per month basis	<u>CLOSED/RESOLVED</u>
PRUDENTIAL OVERALL SUPPLY CO	8560	NC	E39427	5/4/2017	5/4/2017	42303	Provide PAT results for Hurst boiler from Q2 2015 to present	<u>CLOSED/RESOLVED</u>
QUAN SERVICE CENTER, INC	180241	NOV	P70598	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0664	<u>CLOSED/RESOLVED</u>
RAD ONE OIL COMPANY	167467	NOV	P72499	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7016 0750 0000 5020 7709	<u>CLOSED/RESOLVED</u>
RADA INDUSTRIES, INC.	144019	NOV	P72170	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5134	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
RAFI'S CHEVRON # 4	127715	NC	E32912	10/26/2017	10/26/2017	41960.2	Replace whip hose with exposed threading on #1; replace hoses with exposed threading on #1, 3, and 8; install AQMD signs on #1, 4, and 8; provide periodic compliance inspection reports for 2016 and 2017; maintain a complete ISD alarm log; missing M4&6.	<u>CLOSED/RESOLVED</u>
RAFI'S CHEVRON # 4	127715	NC	E32912	10/26/2017	10/26/2017	461	Replace whip hose with exposed threading on #1; replace hoses with exposed threading on #1, 3, and 8; install AQMD signs on #1, 4, and 8; provide periodic compliance inspection reports for 2016 and 2017; maintain a complete ISD alarm log; missing M4&6.	<u>CLOSED/RESOLVED</u>
RAMCAR BATTERIES INC	79682	NC	E45145	9/25/2018	9/25/2018	1420.2	provide split samples for monitor 1, dated 07/26/2018; monitor 2, dated 07/14/2018; monitor 3, dated 07/02/2018; provide results of ambient air lead monitoring, wind monitoring and other data specified by 1420.2(e) for the month of July	<u>CLOSED/RESOLVED</u>
RASTAAR INC	157008	NOV	P72363	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6443	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
RASTAAR INC	157008	NC	E34783	3/25/2016	3/25/2016	203 (B)	UPGRADE VEEDER-ROOT SOFTWARE TO VERSION 1.05.	<u>CLOSED/RESOLVED</u>
SAMHAM ASSOCIATES	178841	NOV	P72807	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 4564	<u>CLOSED/RESOLVED</u>
SEVEN-UP/ROYAL CROWN BOTTLING CO OF SOCA	25786	NOV	P65269	9/25/2018	1/1/2018	1146	Operating a 10.5 million Btu/hr. natural gas fired boiler (G13006) without conducting a compliance determination (source test) every three years (1/1/18)	<u>CLOSED/RESOLVED</u>
SOTO MOBIL MART INC	113478	NOV	P70779	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8350	<u>CLOSED/RESOLVED</u>
SOTO MOBIL MART INC	113478	NOV	P71941	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8489	<u>CLOSED/RESOLVED</u>
SOTO MOBIL MART INC	113478	NC	E32903	6/29/2017	6/29/2017	461	Maintain complete and accurate repair log and ISD alarm log inside Operations manual; maintain complete and accurate Healy	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
							weekly inspection forms inside Operations manual	
STERLING PACIFIC MEAT COMPANY	152361	NC	E42876	2/2/2018	2/2/2018	1470	1470(d) keep a record onsite that outlines all of the requirements specified in Rule 1470(d)(7), 206 post the permit for P/N F90831 within 8 meters of permitted equipment	<u>CLOSED/RESOLVED</u>
STERLING PACIFIC MEAT COMPANY	152361	NC	E42876	2/2/2018	2/2/2018	206	1470(d) keep a record onsite that outlines all of the requirements specified in Rule 1470(d)(7), 206 post the permit for P/N F90831 within 8 meters of permitted equipment	<u>CLOSED/RESOLVED</u>
STRATEGIC MATERIALS INC	113383	NC	E34124	1/7/2016	1/7/2016	1147	Provide source testing records for rotary dryer	<u>CLOSED/RESOLVED</u>
STRATEGIC MATERIALS INC	113383	NC	E38480	2/1/2017	2/1/2017	42303	H&S 42303 Provide electronic copies of valid AQMD permits and record keeping for all units onsite	<u>CLOSED/RESOLVED</u>
STRATEGIC MATERIALS INC	113383	NC	E42890	3/30/2018	3/30/2018	203 (B)	R206 Post permits within 8m of permitted equipment, R402 Cover all gaps in East property wall, R403 prevent fugitive dust from leaving the property by using BACM, R203(b) operate in accordance with operating conditions	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
STRATEGIC MATERIALS INC	113383	NC	E42890	3/30/2018	3/30/2018	206	R206 Post permits within 8m of permitted equipment, R402 Cover all gaps in East property wall, R403 prevent fugitive dust from leaving the property by using BACM, R203(b) operate in accordance with operating conditions	<u>CLOSED/RESOLVED</u>
STRATEGIC MATERIALS INC	113383	NC	E42890	3/30/2018	3/30/2018	402	R206 Post permits within 8m of permitted equipment, R402 Cover all gaps in East property wall, R403 prevent fugitive dust from leaving the property by using BACM, R203(b) operate in accordance with operating conditions	<u>CLOSED/RESOLVED</u>
STRATEGIC MATERIALS INC	113383	NC	E42890	3/30/2018	3/30/2018	403	R206 Post permits within 8m of permitted equipment, R402 Cover all gaps in East property wall, R403 prevent fugitive dust from leaving the property by using BACM, R203(b) operate in accordance with operating conditions	<u>CLOSED/RESOLVED</u>
TARGET CORP/TARGET COMMERCE T_189	87438	NC	E42478	4/25/2018	4/25/2018	1415.1	submit 1415.1 registration form	<u>CLOSED/RESOLVED</u>
TELCHEV INC, COMMERCE CHEVRON	145396	NC	E34782	3/25/2016	3/25/2016	461(C)(2)(B)	REPLACE CURB HOSES - FUELING POINTS #2, 3, 5 - DUE TO EXPOSED BRAID WIRE. USE LOW PERMEATION HOSE PER CARB ADVISORY #343.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
THE VONS CO INC SAFEWAY INC	63249	NOV	P60528	7/7/2016	4/1/2014	1146	fail to conduct emission checks; 203(b)	<u>CLOSED/</u> <u>RESOLVED</u>
THE VONS CO INC SAFEWAY INC	63249	NOV	P60528	7/7/2016	4/1/2014	203(B)	fail to conduct emission checks; 203(b)	<u>CLOSED/</u> <u>RESOLVED</u>
THE VONS CO INC SAFEWAY INC	63249	NC	E35271	5/27/2016	5/27/2016	203 (B)	1) provide PATs for Hurst boilers for 2013, 2014, 2015, 2016 per HSC 42303 and 2) maintain usage logs to comply with PO conditions per R203(b).	<u>CLOSED/</u> <u>RESOLVED</u>
THE VONS CO INC SAFEWAY INC	63249	NC	E35271	5/27/2016	5/27/2016	42303	1) provide PATs for Hurst boilers for 2013, 2014, 2015, 2016 per HSC 42303 and 2) maintain usage logs to comply with PO conditions per R203(b).	<u>CLOSED/</u> <u>RESOLVED</u>
THROGMORTONS FRAME CLINIC INC	124159	NOV	P68059	8/24/2018	8/24/2018	1151(E)(1)	1151(e) For the purpose of this rule, no person shall possess any automotive coating that is not in compliance with requirements of paragraph (d)(1). Remove Grow 1360 or 1380 and use a reducer with a VOC of less than or equal to 2.1 lbs./gal VOC.	<u>CLOSED/</u> <u>RESOLVED</u>
TORRANCE LOGISTICS COMPANY LLC	182752	NOV	P65317	10/11/201 7	7/1/2016	3002(C)(1)	Failed to comply w/: Condition 8 of Rule 462 CMS Plan (A/N 588468); Condition 10 of Rule 462 CMS Plan (A/N 588468); Condition 4 of Rule	<u>CLOSED/</u> <u>RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	<u>Case Status</u>
							462 CMS Plan (A/N 588468); Condition 11 (A/N 586924).	
TORRANCE LOGISTICS COMPANY LLC	182752	NOV	P65327	9/26/2018	9/3/2015	109	Failed to use approved contractor under the Laboratory Approval Program to determine compliance with NOx and CO emission requirements for Thermal Fluid Heater No.2  Failed to perform gap measurements of the rim seal system for storage Tank 49.  Failed to	<u>CLOSED/ RESOLVED</u>
TORRANCE LOGISTICS COMPANY LLC	182752	NOV	P65327	9/26/2018	9/3/2015	1146	Failed to use approved contractor under the Laboratory Approval Program to determine compliance with NOx and CO emission requirements for Thermal Fluid Heater No.2  Failed to perform gap measurements of the rim seal system for storage Tank 49.  Failed to	<u>CLOSED/ RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
TORRANCE LOGISTICS COMPANY LLC	182752	NOV	P65327	9/26/2018	9/3/2015	1178	Failed to use approved contractor under the Laboratory Approval Program to determine compliance with NOx and CO emission requirements for Thermal Fluid Heater No.2  Failed to perform gap measurements of the rim seal system for storage Tank 49.  Failed to	<u>CLOSED/RESOLVED</u>
UNIFIED GROCERS INC	74064	NOV	P64822	5/19/2017	5/12/2017	2202	FAILURE TO IMPLEMENT DIRECT STRATEGIES AS DESCRIBED IN THE EMPLOYEE COMMUTE REDUCTION PROGRAM	<u>CLOSED/RESOLVED</u>
UNIFIED GROCERS INC	74064	NC	E38528	5/19/2017	5/12/2017	2202	1) ACCURTATELY SURVEY & MAINTAIN SURVEY FORMS FOR ALL EMPLOYEES; 2) MAINTAIN RECORDS TO VERIFY COMPLIANT WITH MARKETING & BASIC ECRP STRATEGIES; 3) INSTALL A BULLETIN BOARD; 4) CONTRUCT A RIDESHARE WEBSITE	<u>CLOSED/RESOLVED</u>
UNION BODY SHOP, A GUITIERREZ	60658	NC	E32925	12/7/2018	12/7/2018	109	maintain complete VOC records; post permit #F37772 on premises; fill manometer with liquid; maintain copies of SDS on premises; fix gaps on filters inside spray booth	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
UNION BODY SHOP, A GUITIERREZ	60658	NC	E32925	12/7/2018	12/7/2018	203 (B)	maintain complete VOC records; post permit #F37772 on premises; fill manometer with liquid; maintain copies of SDS on premises; fix gaps on filters inside spray booth	<u>CLOSED/RESOLVED</u>
UNION BODY SHOP, A GUITIERREZ	60658	NC	E32925	12/7/2018	12/7/2018	206	maintain complete VOC records; post permit #F37772 on premises; fill manometer with liquid; maintain copies of SDS on premises; fix gaps on filters inside spray booth	<u>CLOSED/RESOLVED</u>
UNITED AUTO CRAFT	4807	NC	E35734	11/1/2017	11/1/2017	109	Obtain a valid permit to operate or make equipment match permit description. Maintain all filters in place at all time. Keep/maintain paint usage and VOC records. Use compliant cleaning solvent.	<u>CLOSED/RESOLVED</u>
UNITED AUTO CRAFT	4807	NC	E35734	11/1/2017	11/1/2017	1171	Obtain a valid permit to operate or make equipment match permit description. Maintain all filters in place at all time. Keep/maintain paint usage and VOC records. Use compliant cleaning solvent.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
UNITED AUTO CRAFT	4807	NC	E35734	11/1/2017	11/1/2017	203 (A)	Obtain a valid permit to operate or make equipment match permit description. Maintain all filters in place at all time. Keep/maintain paint usage and VOC records. Use compliant cleaning solvent.	<u>CLOSED/RESOLVED</u>
UNITED AUTO CRAFT	4807	NC	E35734	11/1/2017	11/1/2017	203 (B)	Obtain a valid permit to operate or make equipment match permit description. Maintain all filters in place at all time. Keep/maintain paint usage and VOC records. Use compliant cleaning solvent.	<u>CLOSED/RESOLVED</u>
UNITED AUTO CRAFT	4807	NC	E42490	7/26/2018	7/26/2018	109	Submit permit application for 2nd PSB on the premises, repair holes in PSB sheet metal, repair broken pressure gauge, and improve daily recordkeeping.	<u>CLOSED/RESOLVED</u>
UNITED AUTO CRAFT	4807	NC	E42490	7/26/2018	7/26/2018	203	Submit permit application for 2nd PSB on the premises, repair holes in PSB sheet metal, repair broken pressure gauge, and improve daily recordkeeping.	<u>CLOSED/RESOLVED</u>
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	NOV	P72564	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 7149	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	NC	E32900	3/30/2017	3/30/2017	41960.2	Replace hoses with exposed threading near nozzle ends on #3, 5, and 12 with ones in good condition; replace defective vapor cap on 87 octane tank with one in good condition; maintain throughput records of previous 24 months inside Operations manual	<u>CLOSED/RESOLVED</u>
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	NC	E32900	3/30/2017	3/30/2017	461	Replace hoses with exposed threading near nozzle ends on #3, 5, and 12 with ones in good condition; replace defective vapor cap on 87 octane tank with one in good condition; maintain throughput records of previous 24 months inside Operations manual	<u>CLOSED/RESOLVED</u>
UNITED GAS SOLUTIONS, JOSE SANCHEZ	172373	NC	E32900	3/30/2017	3/30/2017	461(C)(1)(A)	Replace hoses with exposed threading near nozzle ends on #3, 5, and 12 with ones in good condition; replace defective vapor cap on 87 octane tank with one in good condition; maintain throughput records of previous 24 months inside Operations manual	<u>CLOSED/RESOLVED</u>
UNIVERSITY SO CALIFORNIA, HEALTH SCIENCES	56	NOV	P60527	5/25/2016	1/1/2016	1146.1	R1146.1(d)(7)(A); 3002(c)(1)	<u>CLOSED/RESOLVED</u>
UNIVERSITY SO CALIFORNIA, HEALTH SCIENCES	56	NOV	P60527	5/25/2016	1/1/2016	3002(C)(1)	R1146.1(d)(7)(A); 3002(c)(1)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	Violation Description	Case Status
VALLEY PLATING WORKS INC	109562	NC	E42522	8/21/2018	6/27/2018	1469	1) Maintain an operation & maintenance plan per the Rule subsection; 2) Maintain logs for P/O F93812 (strip line) per condition #8; 3) Maintain pH indicator & logs for P/O G19532; 4) Maintain current housekeeping logs, indicating all practices used	<u>CLOSED/RESOLVED</u>
VALLEY PLATING WORKS INC	109562	NC	E42522	8/21/2018	6/27/2018	203	1) Maintain an operation & maintenance plan per the Rule subsection; 2) Maintain logs for P/O F93812 (strip line) per condition #8; 3) Maintain pH indicator & logs for P/O G19532; 4) Maintain current housekeeping logs, indicating all practices used	<u>CLOSED/RESOLVED</u>
WHITE MEMORIAL MEDICAL CENTER	13613	NOV	P64131	4/28/2017	4/1/2016	1146	Failure to comply with portable analyzer testing schedule defined in rule 1146	<u>CLOSED/RESOLVED</u>
WHITE MEMORIAL MEDICAL CENTER	13613	NOV	P64131	4/28/2017	4/1/2016	203 (B)	Failure to comply with portable analyzer testing schedule defined in rule 1146	<u>CLOSED/RESOLVED</u>
WHITE MEMORIAL MEDICAL CENTER	136302	NC	E34416	3/1/2016	3/1/2016	42303	Provide operation records for permitted fire pump	<u>CLOSED/RESOLVED</u>
WHITE MEMORIAL MEDICAL CENTER	145023	NOV	P64130	4/28/2017	2/1/2017	203 (B)	Failure to comply with condition #13 (<8.31 mm CCF Natural Gas per Month) under permit #s G33772, G33773, G33774, G33775, and G33776	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>v</sup>	Violation Date <sup>vi</sup>	Rule Number	<del>Violation</del> Description	Case Status
WHITE MEMORIAL MEDICAL CENTER	145023	NC	E34415	3/1/2016	3/1/2016	1415	Submit refrigerant registration for chillers charged with >50 lb. of refrigerant	<u>CLOSED/RESOLVED</u>
WINALL OIL CO #1	34636	NOV	P61986	1/20/2016	1/20/2016	41954	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - UPSIDE DOWN BREAKAWAY ON PUMP #7 - 87	<u>CLOSED/RESOLVED</u>
WINALL OIL CO #1	34636	NOV	P61986	1/20/2016	1/20/2016	41960.2	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - UPSIDE DOWN BREAKAWAY ON PUMP #7 - 87	<u>CLOSED/RESOLVED</u>
WINALL OIL CO #1	34636	NOV	P61986	1/20/2016	1/20/2016	461(C)	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - UPSIDE DOWN BREAKAWAY ON PUMP #7 - 87	<u>CLOSED/RESOLVED</u>
WINALL OIL CO #1	34636	NOV	P61986	1/20/2016	1/20/2016	461(C)(2)(B)	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - UPSIDE DOWN BREAKAWAY ON PUMP #7 - 87	<u>CLOSED/RESOLVED</u>
WINALL OIL CO #1	34636	NOV	P71843	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 0190 0000 6374 8636	<u>CLOSED/RESOLVED</u>

CARB Compliance History in ELA BHW C, January 2016 to December 2018 (Compiled from CARB Visualization Tool, June 2019)

Year/Type	Drayage	HDVIP (all)*	Idling	Off-Road	STB	Smart Way	TRU	CHE	SWCV	Total
<b>2016 Field Inspections</b>	2	144	268	0	121	0	96	0	1	632
<b>2016 Non-compliant</b>	2	3	11	0	83	0	51	0	0	150
<b>2016 % Compliance</b>	0%	98%	96%	N/A	31%	N/A	47%	N/A	100%	76%
<b>2017 Field Inspections</b>	13	120	62	17	77	5	23	3	1	321
<b>2017 Non-compliant</b>	1	10	15	4	25	2	17	0	0	74
<b>2018 % Compliance</b>	92%	92%	76%	76%	68%	60%	26%	100%	100%	77%
<b>2018 Field Inspections</b>	0	3	91	0	52	1	45	0	0	192
<b>2018 Non-compliant</b>	0	3	2	0	12	0	31	0	0	48
<b>2018 % Compliance</b>	N/A	0%	98%	N/A	77%	N/A	31%	N/A	N/A	75%
<b>Total 2016 – 2018 Inspections</b>	15	267	421	17	250	6	164	3	2	1145
<b>Total 2016 - 2018 Non-compliant</b>	3	16	28	4	120	2	99	0	0	272

\*HDVIP covers emissions control labels (ECL), smoking and tampering; see CARB Resource Slides for total listing of “Type” definitions.

*List of Individual Field Inspections Conducted by CARB in 2016*

Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	STB	STB (NC)	TRU	TRU (NC)	SWCV	SWCV (NC)
Soto @ 44th St, LA, CA 90023					1	1						
Washington Blvd @ Bandini Ave, Commerce, CA 90040					20	2	2	2	2	1		
5790 Peachtree, LA, CA 90040							4	4	4	4		
Sheila St. & Ralph Lieberman Av., Commerce, CA 90040			1		39	1	11	11	3			
S. Bonnie Beach by E. 26th St., LA & Vernon Area, Los Angeles, CA			15	1	33	1	18	9	15	9		
BNSF Railyard area; Truck Stop/ Rest Area, Vernon, CA	2	2	4	1	158	3	35	34	19	15		
BNSF Railyard area; Washington Area, LA, CA 90023					14				1	1		
3100 E. Washington Blvd, LA, CA 90023					1	1						
Downey Rd & Bandini Blvd, Vernon, CA 90058			88	1	1	1	36	17	38	13	1	
Soto @ 12th St, LA, CA			36		1	1	15	6	14	8		

\*HDVIP = Heavy-duty Vehicle Inspection Program and includes compliance with diesel emissions fluid (DEF), emissions control label (ECL), smoke opacity and tampering. NC = non-compliant. If there is no number in a cell, this means it is a zero.

*List of Individual Field Inspections Conducted by CARB in 2017*

Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	Off-Road	Off-Road (NC)	STB	STB (NC)	Smart Way	Smart Way (NC)	TRU	TRU (NC)	CHE	CHE (P*)	SWCV	SWCV (NC)
695 S. Santa Fe Ave., LA, CA 90021							3											
2160 E 7th, 1800 E Washington Blvd, LA, CA 90021					14				3	3			1	1				
3130 Leonis Blvd, 3737 S Soto St., 2851 E 44th Soto St, Vernon, CA 90058			3	1	14	14			4	4								
Vernon, LA Area, Vernon, CA 90058					1	1												
130 S Meyers, LA, CA 90033					3				1				3	3				
5201 E Olympic Blvd, LA, CA 90022			2	2														
1309 S Atlantic Blvd, LA, CA 90022			1						1	1								

Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	Off-Road	Off-Road (NC)	STB	STB (NC)	Smart Way	Smart Way (NC)	TRU	TRU (NC)	CHE	CHE (P*)	SWCV	SWCV (NC)
4325 BANDINI BLVD, VERNON, CA 90058							8	2										
EB BANDINI BLVD, Vernon, CA 90058			17	2					7									
4120 BANDIN BLVD, VERNON, CA 90058							2	2										
4060 E 26TH ST (VIG INDUSTRIES INC), VERNON, CA 90058							4											
3020 Washington Blvd, LA, CA 90023					11				3	3								
Bandini Blvd & Downey RD, Vernon, CA 90058			15						7	3	3		4	1				
E. 12TH ST, LA, CA 90023			28	2	19				14	3			3	3				
12th and Soto, LA, CA 90023	11		4						9	1			4	3				



Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	Off-Road	Off-Road (NC)	STB	STB (NC)	Smart Way	Smart Way (NC)	TRU	TRU (NC)	CHE	CHE (P*)	SWCV	SWCV (NC)
12th St and Soto St, LA, CA 90023	2	1	50	3					28	7	2	2	8	6			1	
BNSF Commerce Intermodal Facility 4940 Sheila Street, Commerce, CA 90040															2			
UP East LA Intermodal Facility 4341 Washington Blvd, Commerce, CA 90023															1			

\*HDVIP = Heavy-duty Vehicle Inspection Program and includes compliance with diesel emissions fluid (DEF), emissions control label (ECL), smoke opacity and tampering. NC = non-compliant. P\* = pending investigation. If there is no number in a cell, this means it is a zero.

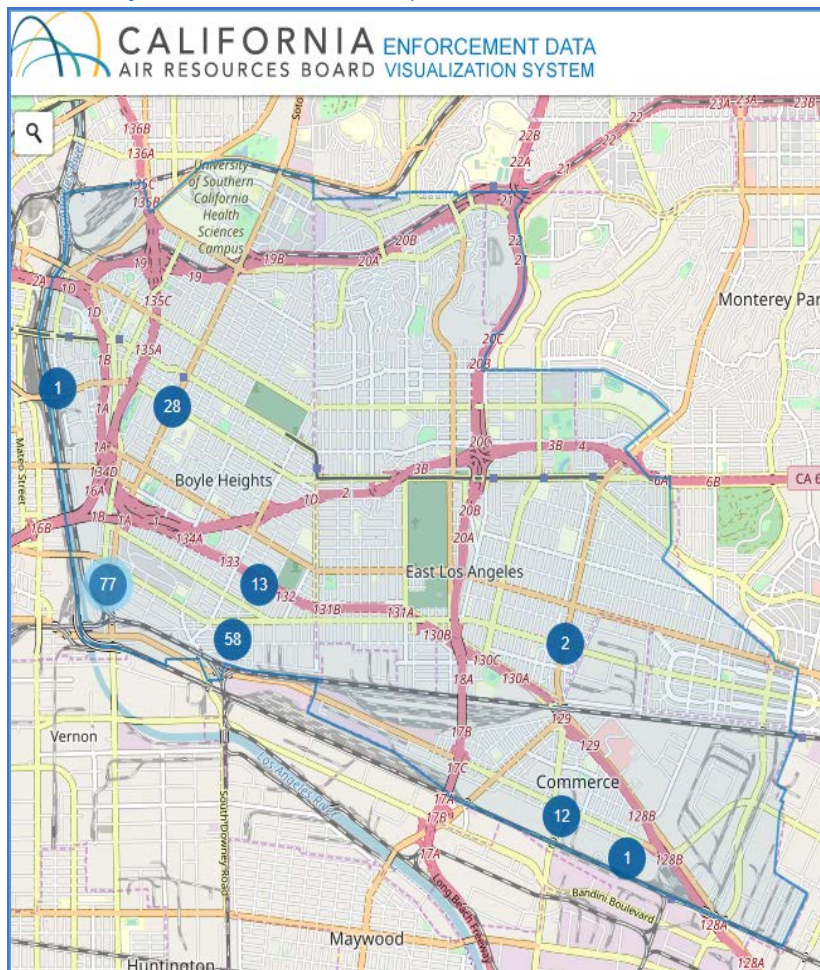
*List of Individual Field Inspections Conducted by CARB in 2018*

Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	Off-Road	Off-Road (NC)	STB	STB (NC)	Smart Way	Smart Way (NC)	TRU	TRU (NC)
363 MISSION RD, LA, CA 90033			0	0	1	1								
SOTO ST & 4TH ST, LA, CA 90022			0	0	10				10	2			8	6

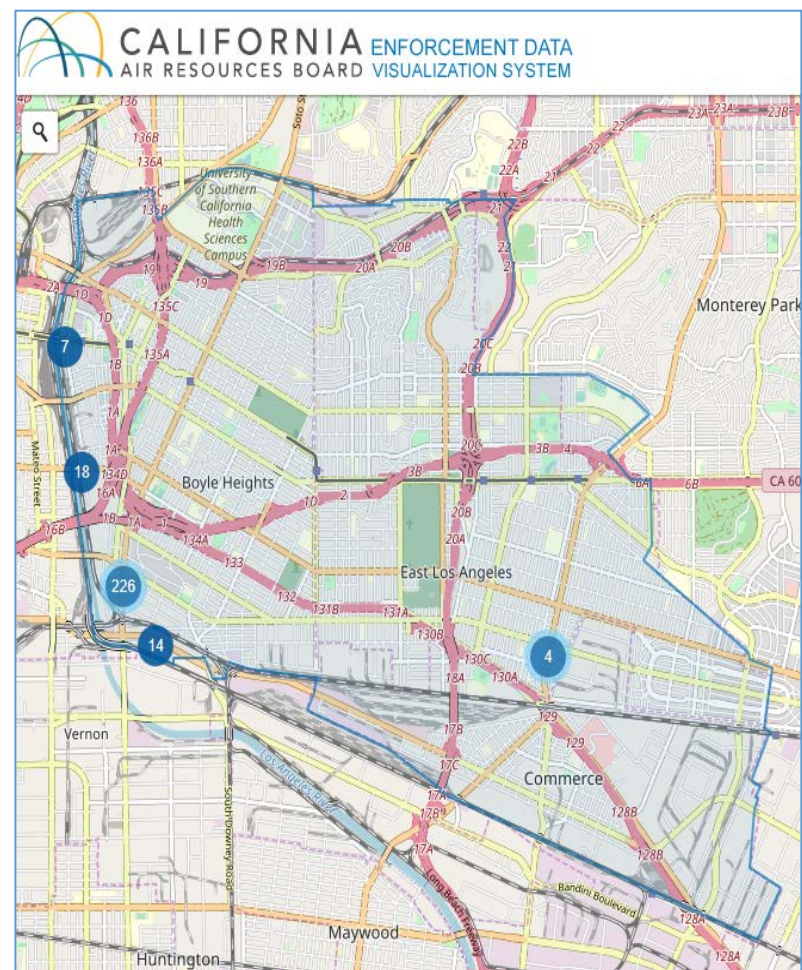
Location	Dray-age	Dray-age (NC)	HDVIP* (all)	HDVIP* (all; NC)	Idling	Idling (NC)	Off-Road	Off-Road (NC)	STB	STB (NC)	Smart Way	Smart Way (NC)	TRU	TRU (NC)
Soot St and Rio Vista Ave, LA, CA 90023			0	0	3				2	1	1		5	3
12th St & Soto St, LA, CA 90023			0	0	17				6				4	3
SOTO ST & 12TH Boyle Heights, LA, CA 90023			0	0	12	1			7				5	4
Rio Vista & S Soto St, East LA, CA 90023			0	0	8								7	5
BOYLE HEIGHTS ROAMING, LA, CA 90023			0	0	5				5	3			3	2
Boyle Heights, Vernon, Commerce ROAMING, LA, CA 90021			2	2	29				19	5			8	6
5201 E OLYMPIC BLVD, LA, CA 90022			1	1					1	1				
Daniel Ave and Sheila Ave, Commerce, CA 90040			0	0	6				2				4	1
6100 Sheila Ave, Commerce, CA 90040			0	0									1	1

\*HDVIP = Heavy-duty Vehicle Inspection Program and includes compliance with diesel emissions fluid (DEF), emissions control label (ECL), smoke opacity and tampering. NC = non-compliant. If there is no number in a cell, this means it is a zero.

Enforcement Activities Maps



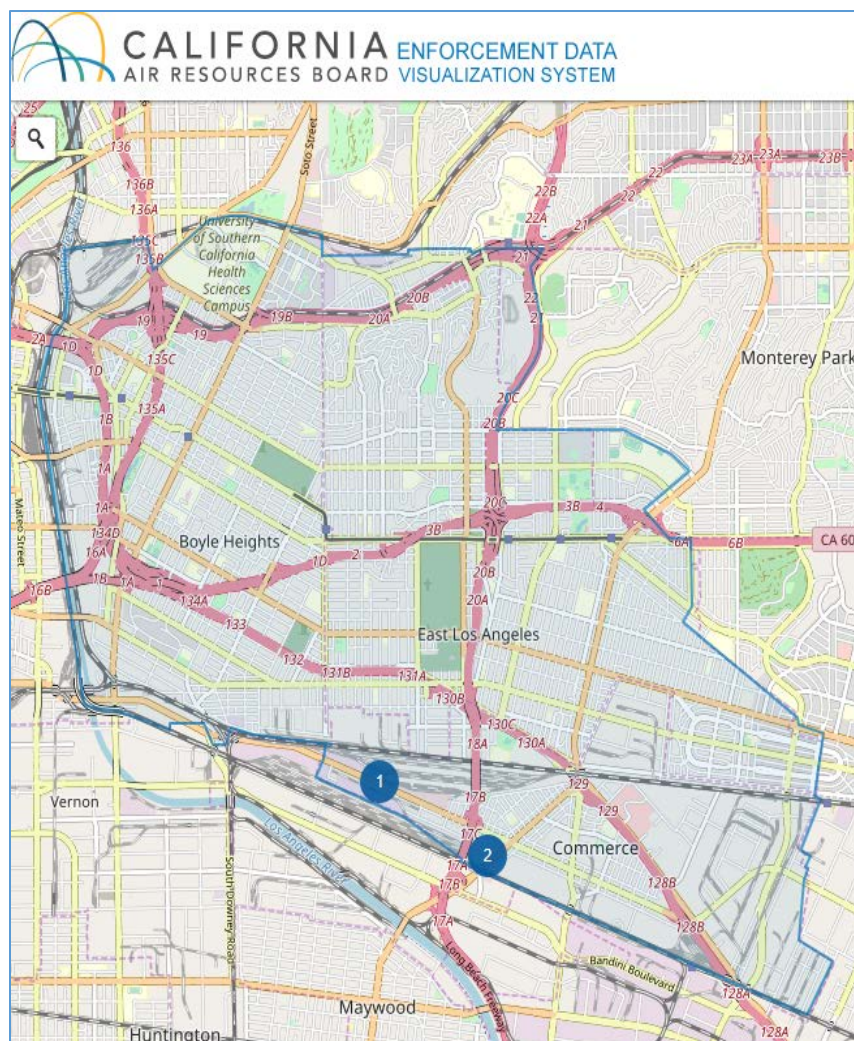
Map of CARB Heavy – Duty Diesel Vehicle Enforcement Activities for 2016



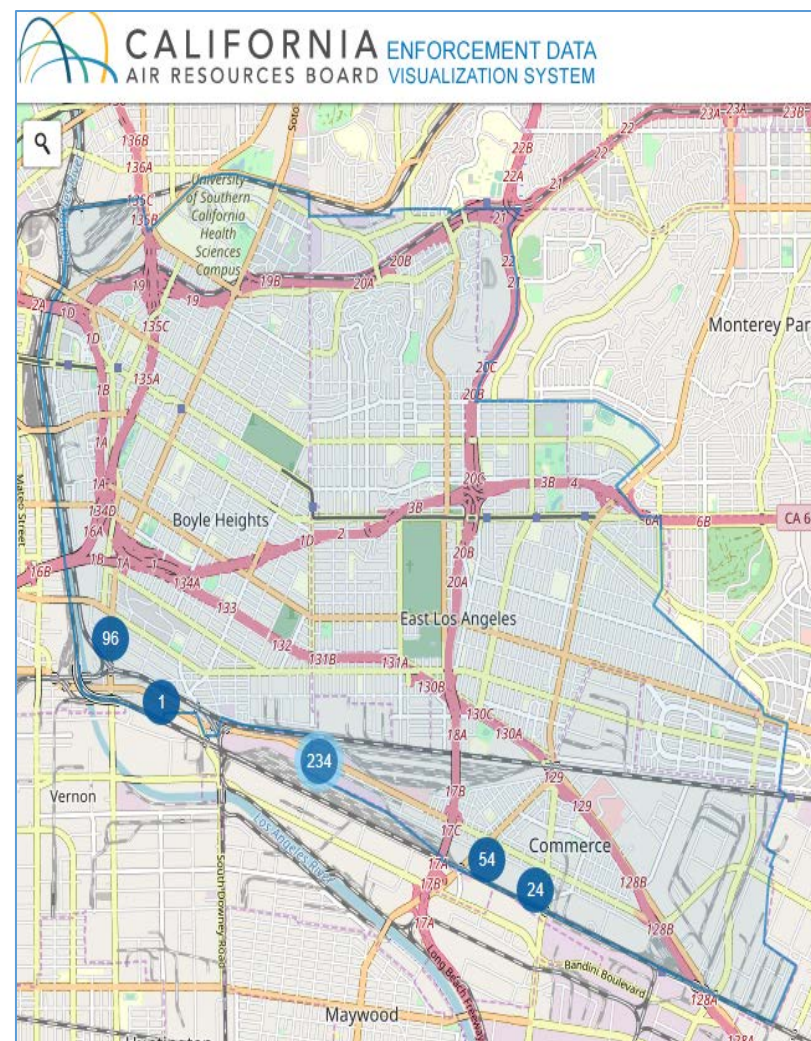
Map of CARB Heavy – Duty Diesel Vehicle Enforcement Activities for 2017

CARB Visualization Tool - <https://webmaps.arb.ca.gov/edvs/>; June 2019





**Map of CARB Railroad and Marine Enforcement Activities for 2017**



**Map of CARB Heavy – Duty Diesel Vehicle Enforcement Activities for 2018**

Appendix 4-207

East Los Angeles, Boyle Heights, West Commerce  
Draft Final, version 07.24.19

CARB Visualization Tool - <https://webmaps.arb.ca.gov/edvs/>; June 2019

## CARB Supplemental Environmental Project Process

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP). Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the ELACELABHWC community through the proposal process.

Proposals of projects that meet the following four requirements: reducing direct/indirect air emissions or exposure to air pollution, relates to the violation, does not benefit the violator, and goes above and beyond regulatory requirements can be submitted for consideration for future settlements through the SEP proposal form (<https://calepa.ca.gov/sep-proposal-form>). Six SEPs have been funded in South Coast AQMD's jurisdiction including paid environmental education internships, planting trees, writing articles to inform community about air pollution and resources, conducting research (e.g., air monitoring, truck traffic survey), and school air quality education programs and filtration systems.

## Further Information on Technology Used for Compliance Investigations

### Toxic Vapor Analyzer (TVA)

Using a Flame Ionization Detector (FID) or Photoionization Detector (PID), this instrument is capable of detecting a wide variety of organic and inorganic compounds. The unit must be calibrated to identify specific compounds. Any day that the instrument is used for conducting compliance inspections, a trained inspector calibrates the equipment to a set calibration standard depending on the inspection type. For example, in an oil and gas process leak inspection to identify VOCs, a 3-Point Methane Calibration Curve is used.

This instrument displays concentrations of the gas it is calibrated to in parts per million (ppm), also known as the number of molecules of that gas per one million molecules of air. Inspectors can use TVAs to identify organic and inorganic vapors according to a standard set by the US Environmental Protection Agency (EPA) Method 21 – Determination of Volatile Organic Compound Leaks.<sup>vii</sup> This document from EPA sets the standard for the specifications and performance criteria of the instrument, as well as the process of identifying a leak.

### Infrared Cameras

Using infrared cameras equipped with Optical Gas Imaging (OGI) technology, inspectors can detect hydrocarbon leaks at a variety of facilities, including those in the oil and gas industry. The device uses a non-contact technology which identifies the infrared energy (heat) of a specific gas and converts it into an electronic signal. This signal is processed into an image, giving inspectors the ability to view emissions that would otherwise be invisible to the naked eye.

---

<sup>vii</sup> <https://www.epa.gov/emc/method-21-volatile-organic-compound-leaks>



Using Infrared OGI cameras enables inspectors to scan areas for emissions and quickly gain an overall representation for any large leaks there may be at a facility. The technology generally used by OCE is specifically calibrated to methane, enabling users to visibly identify VOC leaks. Inspectors can follow up with a TVA to quantify the leak. Inspectors who use this equipment have training through a multi-day course to understand the technology, uses, and limitations.

#### *X-Ray Fluorescence (XRF)*

A handheld instrument which uses a non-destructive method to determine the chemistry of a sample. The device sends an x-ray to the sample that displaces the electrons, causing a release of energy. The energy released is measured by the special detector to analyze the chemistry of the sample. Inspectors can scan surfaces for the presence of toxic metals to identify sources of contamination and fugitive emissions.

#### *H<sub>2</sub>S Analyzer (Jerome Meters)*

A handheld instrument that can detect hydrogen sulfide in the air. This device takes in a small sample of air and provides a reading on the amount of H<sub>2</sub>S within a few seconds, down to levels in the parts per billion (ppb) range. This instrument serves as a safety tool for inspectors conducting an inspection in an area with potential H<sub>2</sub>S.

#### *CARB Statewide Truck and Bus Regulation*

CARB is achieving compliance with the Statewide Truck and Bus (STB) Regulation, section 2025 of Title 13, California Code of Regulations ~~CCR~~-(STB) by 2023 via a streamlined auditing process. STB requires diesel trucks with a Gross Vehicle Weight Rating (GVWR) greater than 14,000 pounds that operate in California to install diesel particulate filters or replace older engines with cleaner engine technology on a phased-in schedule based on the model year of the engine and GVWR. CARB staff process data from vehicle registration, compliance reporting, and inspection databases to identify potentially non-compliant fleets and prioritize them for enforcement action.

In April 2017, the Governor signed Senate Bill 1 (SB1) into law which included a provision that, beginning in 2020, a vehicle must demonstrate compliance with the STB regulation before it can be registered with the Department of Motor Vehicles (DMV). Beginning in 2020, the DMV, in conjunction with data provided by CARB, will deny vehicle registration to non-compliant heavy-duty diesel vehicles (HDDV) based on the model year of the HDDV, so that by the end of 2023, 100% compliance will be achieved for the truck and bus rule.

#### *Summary*

Both South Coast AQMD and CARB are committed to working closely with the CSC to identify and investigate ~~area~~ <sup>air</sup> quality issues in the community. For the mobile sources regulated by CARB, this will include actively enhancing enforcement activities through a combination of improved complaint reporting, more focused inspections, and report-back meetings to update the CSC on the status of inspections and to obtain additional areas of mobile source concern. CARB plans to have, at a minimum, annual meetings with the CSC in order to prioritize strategies and identify possible locations where non-compliant vehicles are present. CARB will report-back to the community with the number of inspections

performed and the number of citations and/or Notices of Violations (NOVs) issued. Further information about CARB's and South Coast AQMD's commitments can be found in Chapter 5.

---

# APPENDIX 5D:

## Metal Processing Facilities

---



## Appendix 5d – Metal Processing Facilities

South Coast AQMD regulates metal processing facilities in the South Coast Air Basin. Table [Appendix 5d-1](#) identifies specific South Coast AQMD rules that apply to metal processing facilities. This table provides the rule number and title, date of rule adoption or most recent amendment, and a link to the rule language. In addition to the rules listed in Table [Appendix 5d-1](#), metal processing facilities are required to comply with other applicable South Coast AQMD regulations (e.g., Regulation V – Prohibitions).

South Coast AQMD staff continues to update existing rules and propose new rules. Table [Appendix 5b-2](#) lists rules that are currently under development. They include existing South Coast AQMD rules that are being amended and newly proposed rules.<sup>1</sup>

Table [Appendix 5b-1](#): South Coast AQMD Rules that Apply to Metal Processing Facilities

Rule Number	Rule Title	Date of Adoption or Last Amendment	Rule Language
1407	Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations	Adopted July 8, 1994	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1407.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1407.pdf</a>
1420	Emission Standard for Lead	Amended December 1, 2017	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420.pdf</a>
1420.1	Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead Acid Battery Recycling Facilities	Amended September 4, 2015	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420-1.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420-1.pdf</a>
1420.2	Emission Standards for Lead from Metal Melting Facilities	Adopted October 2, 2015	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/Rule-1420-2rev.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/Rule-1420-2rev.pdf</a>

<sup>1</sup> Rule development is an ongoing process; rules listed under development will change over time as proposed amendments to existing rules or newly proposed rules are adopted. Information about proposed rules, rule amendments and supporting documentation, including staff reports, presentations, meeting notices, etc. is available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

Rule Number	Rule Title	Date of Adoption or Last Amendment	Rule Language
1426	Emissions from Metal Finishing Operations	Adopted May 2, 2003	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1426.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1426.pdf</a>
1430	Control of Emissions from Metal Grinding Operations at Metal Forging Facilities	Adopted March 3, 2017	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1430.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1430.pdf</a>
1469	Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations	Amended November 2, 2018	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469.pdf</a>
1469.1	Spraying Operations using Coatings Containing Chromium	Adopted March 4, 2005	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469-1.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469-1.pdf</a>

Table Appendix 5b-2: South Coast AQMD Proposed and Proposed Amended Rules to Address Emissions from Metal Processing Facilities<sup>2</sup>

Regulation Number	Rule Title	Proposed (New) or Proposed Amended
1407	Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations	Proposed Amended
1407.1	Emissions of Toxic Air Contaminants from Chromium Alloy Melting Operations	Proposed
1420.2 <sup>3</sup>	Emission Standards for Lead from Metal Melting Facilities	Proposed Amended

<sup>2</sup> Additional information about these proposed rules, rule amendments and supporting documentation, including staff reports, presentations, meeting notices, etc. is available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

<sup>3</sup> Additional information about these rules is provided in the Rule and Control Measure Forecast Report, available at: <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2019/2019-feb1-015.pdf?sfvrsn=8>

Regulation Number	Rule Title	Proposed (New) or Proposed Amended
1426	Reduction of Toxic Air Contaminants from Metal Finishing Operations	Proposed Amended
1435	Control of Emissions from Metal Heat Treating Processes	Proposed
1445 <sup>3</sup>	Control of Toxic Emissions from Laser Arc Cutting	Proposed
1480	Air Toxics Metals Monitoring	Proposed

## Appendix 5d – Metal Processing Facilities

South Coast AQMD regulates metal processing facilities in the South Coast Air Basin. Table 1 identifies specific South Coast AQMD rules that apply to metal processing facilities. This table provides the rule number and title, date of rule adoption or most recent amendment, and a link to the rule language. In addition to the rules listed in Table 1, metal processing facilities are required to comply with other applicable South Coast AQMD regulations (e.g., Regulation V – Prohibitions).

South Coast AQMD staff continues to update existing rules and propose new rules. Table 2 lists rules that are currently under development. They include existing South Coast AQMD rules that are being amended and newly proposed rules.<sup>1</sup>

Table 1: South Coast AQMD Rules that Apply to Metal Processing Facilities

Rule Number	Rule Title	Date of Adoption or Last Amendment	Rule Language
1407	Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations	Adopted July 8, 1994	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1407.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1407.pdf</a>
1420	Emission Standard for Lead	Amended December 1, 2017	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420.pdf</a>
1420.1	Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead Acid Battery Recycling Facilities	Amended September 4, 2015	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420-1.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420-1.pdf</a>
1420.2	Emission Standards for Lead from Metal Melting Facilities	Adopted October 2, 2015	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/Rule-1420-2rev.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/Rule-1420-2rev.pdf</a>

<sup>1</sup> Rule development is an ongoing process; rules listed under development will change over time as proposed amendments to existing rules or newly proposed rules are adopted. Information about proposed rules, rule amendments and supporting documentation, including staff reports, presentations, meeting notices, etc. is available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

1426	Emissions from Metal Finishing Operations	Adopted May 2, 2003	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1426.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1426.pdf</a>
1430	Control of Emissions from Metal Grinding Operations at Metal Forging Facilities	Adopted March 3, 2017	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1430.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1430.pdf</a>
1469	Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations	Amended November 2, 2018	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469.pdf</a>
1469.1	Spraying Operations using Coatings Containing Chromium	Adopted March 4, 2005	<a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469-1.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1469-1.pdf</a>

Table 2: South Coast AQMD Proposed and Proposed Amended Rules to Address Emissions from Metal Processing Facilities<sup>2</sup>

Regulation Number	Rule Title	Proposed (New) or Proposed Amended
1407	Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations	Proposed Amended
1407.1	Emissions of Toxic Air Contaminants from Chromium Alloy Melting Operations	Proposed
1420.2 <sup>3</sup>	Emission Standards for Lead from Metal Melting Facilities	Proposed Amended
1426	Reduction of Toxic Air Contaminants from Metal Finishing Operations	Proposed Amended
1435	Control of Emissions from Metal Heat Treating Processes	Proposed

<sup>2</sup> Additional information about these proposed rules, rule amendments and supporting documentation, including staff reports, presentations, meeting notices, etc. is available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

<sup>3</sup> Additional information about these rules is provided in the Rule and Control Measure Forecast Report, available at: <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2019/2019-feb1-015.pdf?sfvrsn=8>

<b>1445<sup>3</sup></b>	Control of Toxic Emissions from Laser Arc Cutting	Proposed
1480	Air Toxics Metals Monitoring	Proposed

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX: RESPONSES TO COMMENTS

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix Responses to Comments

### Table of Contents

Public Meeting Comments (CSC Meeting #7 – June 27, 2019).....	3
Public Meeting Comment #1: Evelyn Nuño – Field Representative for Assemblymember Cristina Garcia .....	3
Public Meeting Comment #2: Johncito Peraza-Romero – Active Resident of West Commerce .....	3
Public Meeting Comment #3: Oralia Rebollo – Councilmember of the City of Commerce.....	4
Public Meeting Comment #4: Evelyn Nuño – Field Representative for Assemblymember Cristina Garcia .....	5
Public Meeting Comment #5: Johncito Peraza-Romero – Active Resident of West Commerce .....	6
Public Meeting Comment #6: Member of the public .....	6
Public Meeting Comments (CSC Meeting #8 – July 25, 2019) .....	7
Public Meeting Comment #7: Brian Johnston, MD – Physician at Adventist Health White Memorial	7
Public Meeting Comment #8: Veronica Polanco – Active Resident of Boyle Heights .....	7
Public Meeting Comment #9: Wendy Gutschow – Project Coordinator at Keck School of Medicine at USC .....	8
Public Meeting Comment #10: Jennifer Lahoda – President of Boyle Heights Chamber of Commerce .....	9
Public Meeting Comment #11: Veronica Polanco – Resident of Boyle Heights .....	9
Public Meeting Comment #12: Jennifer Lahoda – President of Boyle Heights Chamber of Commerce .....	10
Public Meeting Comment #13: Wendy Gutschow - Project Coordinator at Keck School of Medicine at USC.....	10
Public Meeting Comment #14: Carina Sanchez – Active Resident of East Los Angeles .....	11
Public Meeting Comment #15: Community Member.....	11
Public Meeting Comments (CSC Meeting #9 – August 22, 2019).....	12
Public Meeting Comment #16: Jill Johnston – University of Southern California .....	12
Public Meeting Comment #17: Rafael Yanez – Active Resident of East Los Angeles .....	12
Public Meeting Comment #18: Evelyn Nuño – Representative for Assemblywoman Cristina Garcia	13
Public Meeting Comment #19: Brian Johnston – White Memorial Medical Center .....	14
Public Meeting Comment #20: Leoda Valenzuela – COFEM .....	14
Public Meeting Comment #21: Evelyn Nuño – Representative for Assemblywoman Cristina Garcia	14
Public Meeting Comment #22: Rafael Yanez – Active Resident of East Los Angeles .....	15

#### Appendix RTC-1

Comment Letters .....	16
Comment Letter #1: Carina Sanchez – Active Resident of East Los Angeles .....	16
Comment Letter #2: Leoda Valenzuela – Consejo de Federaciones Mexicanas (COFEM) .....	19
Comment Letter #3: Marisa Blackshire – BNSF Railway (BNSF) .....	24
Comment Letter #4: Carina Sanchez – Active Resident of East Los Angeles .....	28
Comment Letter #5: Brian Johnston – White Memorial Medical Center .....	30
Comment Letter #6: Carina Sanchez – Active Resident of East Los Angeles .....	32
Comment Letter #7: Soyeon Choi –Los Angeles County Department of Regional Planning .....	37
Comment Letter #8: Priscilla R. Hamilton – Southern California Gas Company (SoCal Gas).....	40
Comment Letter #9: Cristin Mondy –Los Angeles County Department of Public Health.....	47
Comment Letter #10: Chris Chavez –Coalition for Clean Air .....	50
Comment Letter #11: Janet Whittick – California Council for Environmental and Economic Balance (CCEEB).....	57

## Public Meeting Comments (CSC Meeting #7 – June 27, 2019)

### Public Meeting Comment #1: Evelyn Nuño – Field Representative for Assemblymember Cristina Garcia

1-1: Ms. Nuño would like to see monitoring of trucks that are idling categorized under indirect sources, such as warehouses. She mentioned that this section was not very clear, but that this was important as this issue is a significant concern.

#### Response to Public Meeting Comment 1-1

South Coast AQMD is proposing a series of actions to reduce emissions from trucks in Chapter 5b of the Community Emissions Reduction Plan (CERP) for the East Los Angeles, Boyle Heights, West Commerce (ELABHWC) community. Action 1 in Chapter 5b describes the course of action to reduce emissions from idling trucks, including conducting mobile air measurements near warehouses and nearby residential areas. Staff have added clarifying language into that action to specify the timeline for when this monitoring will begin, and to clarify that South Coast AQMD is the responsible entity to conduct this action. Mobile air monitoring already began in July 2019 and will continue on a recurring basis. Since South Coast AQMD only has one mobile platform to conduct such mobile air measurements in all its AB 617 communities, it might take some time before measurements will be conducted at certain specific locations. Nevertheless, the mobile monitoring will include coverage of areas such as warehouses with many idling trucks.

### Public Meeting Comment #2: Johncito Peraza-Romero – Active Resident of West Commerce

2-1: Mr. Peraza felt that South Coast AQMD needed to elaborate on enforcement actions to be taken to reduce onsite diesel emissions at railyards. He also mentioned that the Port of Oakland is now requiring that locomotives meet Tier 4 standards. He would like South Coast AQMD to address both concerns.

#### Response to Public Meeting Comment 2-1

The U.S. EPA, CARB, and South Coast AQMD all have actions to reduce emission from railyards. As described in Chapter 5c of the CERP for the ELABHWC community, there are multiple entities involved in regulating emissions from railyards. First, rules from the U.S. EPA are given primacy in regulating emissions from locomotives as federal law preempts some regulations from state or local entities on this matter. The U.S. EPA requires that new diesel locomotives be built to meet the cleanest emission standards (Tier 4), while remanufactured locomotives do not need to meet the standard, and can instead be built to a lower emission standard (e.g. Tier 0+, Tier 1+,

etc.).<sup>1</sup> The rule also sets limits on idling for new and remanufactured locomotives. However, this idling limit does not apply to older, higher-polluting locomotives currently in operation. Since most engines last for over 30 years, this slow turnover rate results in long time frames before emission reductions from these rules are realized.

Next, CARB has taken several actions of their own to reduce emissions from locomotives including agreements with BNSF and Union Pacific (UP) for locomotives within the South Coast Air Basin to meet Tier 2 standards or better until the year 2030; both companies have complied. CARB also has another agreement with BNSF and UP requiring locomotives to maximize the use of ultra-low sulfur diesel fuel. CARB has also petitioned the U.S. EPA to develop a new, cleaner Tier 5 standard for locomotives. U.S. EPA has yet to act on this request, although they have acknowledged the receipt of this petition. Nevertheless, CARB will continue to take action where appropriate by conducting routine inspections at railyards to enforce other diesel regulations such as those involving drayage trucks, cargo handling equipment, and transportation refrigeration units. CARB also has a settlement agreement with UP requiring them to turn away all noncompliant drayage trucks.

Finally, South Coast AQMD previously adopted rules to reduce emissions from railroads. However, the agency was sued by the railroad companies and a judge determined that rules regarding railroads were preempted by federal law. South Coast AQMD is currently working to develop an Indirect Source Rule (also referred to as “Facility Based Mobile Source Measures”) to reduce emissions from railyards, and the railroad companies have been involved in the rule development process by participating in working group meetings and continuing to work with the agency on this matter. Any rule that is adopted by the Board will be enforced. Also, South Coast AQMD will continue to support CARB’s petition to the U.S. EPA for the more stringent Tier 5 emission standards for locomotives. Staff will investigate initiatives by the part of Oakland for feasibility and applicability here, and share its findings with Port of Los Angeles (POLA) and Port of Long Beach (POLB).

### Public Meeting Comment #3: Oralía Rebollo – Councilmember of the City of Commerce

- 3-1: Councilmember Rebollo stated that the City of Commerce receives many phone calls about idling trains and would like to see this problem addressed as it is an ongoing problem which should not be occurring. She also wanted to know where incentive funding for cleaner diesel equipment was coming from and expressed frustration that the City of Commerce had very little money for such initiatives as funding is often allocated on a per

---

<sup>1</sup> U.S. EPA (2008). “Final Rule for Control of Emissions of Air Pollution From Locomotive Engines and Marine Compression-Ignition Engines Less Than 30 Liters per Cylinder”. <https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-control-emissions-air-pollution-locomotive>

capita basis (which affects Commerce as it has a low nighttime population that is disproportionately impacted due to the presence of railyards and freeways). She also wanted to know how project funding was determined.

Response to Public Meeting Comment 3-1

The funding for AB 617 incentives is allocated by the California legislature and guidance for expenditures is developed by CARB. The first-year funding allocated for incentives for the AB 617 program was \$250 million statewide, of which \$107.5 million was allocated to the South Coast AQMD. Second-year funding was reduced to \$245 million statewide, of which approximately \$85.6 million was allocated to the South Coast AQMD. Staff will continue to work toward higher levels of funding, as there is clearly a need for this incentive funding to bring much-needed emission reductions in AB 617 designated communities. South Coast AQMD utilizes an open bidding process to invite proposals, which are then evaluated based on several criteria. This includes evaluating where the emission reductions from that project would be located, assessing the amount of emission reductions that would be achieved, as well as conducting a cost-effectiveness analysis. Incentive projects are not awarded on a per capita basis.

The U.S. EPA has idling limits on newly manufactured and remanufactured locomotives, but this provision does not apply to older locomotives currently in operation. Since locomotives last for over 30 years, it can take a while before the benefits from this regulation are realized.

In 2005, CARB signed agreements with the railroads requiring the implementation of an idling-reduction program, but this agreement has since expired. CARB is currently discussing additional regulations intended to reduce idling by locomotives. Furthermore, CARB has petitioned the U.S. EPA to adopt cleaner Tier 5 emission standards for locomotives, an action supported by the South Coast AQMD. The U.S. EPA has yet to act upon this petition, although they have acknowledged receipt of the request. Nevertheless, CARB will continue to take action where appropriate by conducting routine inspections at railyards to enforce other diesel regulations such as those involving drayage trucks, cargo handling equipment, and transport refrigeration units. CARB also has a settlement agreement with UP railroad requiring them to turn away all noncompliant drayage trucks, which they will continue to enforce, as appropriate.

Public Meeting Comment #4: Evelyn Nuño – Field Representative for Assemblymember Cristina Garcia

4-1: Ms. Nuño wanted to know whether the results from the mobile air monitoring measurements will be posted online and if so, when those results would be ready for public view.

Response to Public Meeting Comment 4-1

The South Coast AQMD is currently processing, analyzing, and mapping the data from the mobile air monitoring measurements that have been conducted in this community. This will be posted online during the fall of 2019 once it has been fully validated. A representative number of measurements have been completed and processed. As additional measurement become available they will be posted online. Staff will provide quarterly updates to the CSC to summarize the measurements conducted and related findings, particularly if elevated levels of pollutants are detected that warrant a follow up by Enforcement/Compliance teams.

Public Meeting Comment #5: Johncito Peraza-Romero – Active Resident of West Commerce

5-1: Although the Discussion Draft CERP had identified sensitive groups such as children to be particularly vulnerable to health effects from air pollution, Mr. Peraza-Romero expressed concern that South Coast AQMD had not made references to any parks in the document as it had for nearby schools.

Response to Public Meeting Comment 5-1

Although not specifically mentioned in the Discussion Draft CERP for the ELABHWC community, the South Coast AQMD considered both parks and libraries in the CERP development process. The list already includes some community centers that are located within parks, but the name of the park is not always associated with the name of the community center. Nevertheless, Table 5g-1 in Chapter 5g of the CERP now addresses this concern and identifies specific parks and libraries within the ELABHWC community where children tend to spend time.

Public Meeting Comment #6: Member of the public

6-1: A member from the community commented if it would be worth considering a tax write-off for businesses which emit high levels of pollution to incentivize them to go beyond current compliance standards. He also suggested that South Coast AQMD coordinate with different chambers of commerce in order to develop a consensus within the ELABHWC business community as to which pollutants should be targeted and to then develop an advertising campaign around that. Such a campaign could involve many facets of the community including area chambers of commerce, cities, local community groups, and even local media organizations such as newspapers.

Response to Public Meeting Comment 6-1

South Coast AQMD does not have the authority to give businesses a reduction in their taxes. Nevertheless, staff will continue to work with the business community, including working with chambers of commerce, to increase compliance with our rules and encourage actions that go above and beyond rule requirements.

## Public Meeting Comments (CSC Meeting #8 – July 25, 2019)

### Public Meeting Comment #7: Brian Johnston, MD – Physician at Adventist Health White Memorial

7-1: Dr. Johnston wanted to gain a better understanding and perspective regarding the degree to which progress is being made in reducing NOx and PM emissions in the ELABHWC community.

#### Response to Public Meeting Comment 6-1

Chapter 5a of the CERP for the East Los Angeles, Boyle Heights, West Commerce (ELABHWC) community discusses emission reduction targets both from the mobile source incentive projects (implemented by South Coast AQMD) as well as from CARB regulations that address the air quality priorities in this CERP. Based on data from previous incentive projects, South Coast AQMD estimates new emission reductions of approximately 40 - 50 tons per year (tpy) in nitrogen oxides (NOx) and 0.5 – 0.6 tpy in diesel particulate matter (DPM) in the ELABHWC community from the proposed actions to implement mobile source incentives. Staff have also added the emission reduction targets from CARB rule development efforts for the following programs: Advanced Clean Car 2, Advanced Clean Truck, Heavy-Duty Inspection and Maintenance, and Heavy-Duty Low NOx Engine Standard. Combined, these actions will result in 1.4 tpy reduction in DPM and 377.1 tpy reduction in NOx within the ELABHWC community by the year 2029.

Because the emission reductions from the incentive projects are expected to persist into the future, and because CARB's new or amended regulations, if adopted, would be phased in over time, staff calculated the expected additional benefit that these CERP actions would have above and beyond the existing baseline conditions presented in Chapter 3b. The South Coast AQMD and CARB emission reductions represent a 20% additional NOx reduction and a 13% additional DPM reduction by the year 20 in this community.

Also, it is important to emphasize that emission reductions that occur within the community will have an even greater benefit for those living in close proximity to these emission sources.

### Public Meeting Comment #8: Veronica Polanco – Active Resident of Boyle Heights

8-1: Ms. Polanco wanted to know why NOx monitoring was not occurring at Resurrection Church if that was one of the emission targets. She also wanted to know how frequently mobile air monitoring cars were being sent out.

#### Response to Public Meeting Comment 8-1



Nitrogen oxides are currently being monitored at Resurrection Church and the data is available online (<http://xappprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index>). Initially, there was not enough electrical power which has now been addressed. It should be noted that South Coast AQMD also conducts continuous, long-term air monitoring of ambient NOx levels at its Central Los Angeles site located just north of the boundary for the ELABHWC community as shown in Figure 2 of the Community Air Monitoring Plan (CAMP) for the ELABHWC community. The CAMP states that mobile air monitoring efforts will occur on a recurring basis in order to help identify pollution sources and track progress of emission reductions. So far, such efforts have been occurring once to twice each week since July 1, 2019.

Staff will be tracking NOx and/or DPM reductions through the implementation of the incentive funding projects, which will specify the type of new equipment being acquired using incentive funds, and the type of old equipment that is being replaced or repowered. Additionally, CARB staff will track the reductions associated with their rule development efforts.

Public Meeting Comment #9: Wendy Gutschow – Project Coordinator at Keck School of Medicine at USC

9-1: Ms. Gutschow had questions about the siting and distribution of air monitoring stations throughout the ELABHWC community to make sure that the community was adequately covered.

Response to Public Meeting Comment 9-1

Current air monitoring efforts by South Coast AQMD are being used to assess air pollution hot spots and guide where fixed-monitoring stations need to be located in the future. Information is currently being gathered in order to evaluate when and where long-term air monitoring efforts should occur. Also, Figure 2 of the CAMP shows current air monitoring locations in the ELABHWC community. An air monitoring site was established at Resurrection Church, in Boyle Heights, and the data is available online (<http://xappprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index>).

Long-term, continuous measurements of criteria pollutants, among other air contaminants, are conducted by South Coast AQMD at the Central Los Angeles site just north of the ELABHWC community boundary. Additionally, South Coast AQMD is also measuring ambient lead (Pb) and arsenic (As) levels around the Exide Technologies plant in the City of Vernon. Exide operates multiple fenceline lead air monitors as well.

Public Meeting Comment #10: Jennifer Lahoda – President of Boyle Heights Chamber of Commerce

10-1: Ms. Lahoda stated that she thinks that pollutants with emission reduction targets as described in the CERP should be the focus of air monitoring efforts and that creating data from air monitoring efforts should be tied to specific CERP goals.

Response to Public Meeting Comment 10-1

Progress toward emission reduction targets will be tracked in several ways. Monitoring is one tool that will be used to help track changes in ambient pollution levels, not just for the pollutants that are outlined in the emission reduction targets, but also key pollutants associated with the priority sources. Specific reductions of NOx and DPM will be tracked through the implementation of mobile source incentive projects, which will specify the type of equipment being changed out and the type of new equipment that is being purchased. Staff will be tracking the emissions reductions associated with the incentive projects that are funded and implemented.

The CAMP discusses the air monitoring strategies planned for this community, including the purposes that air monitoring will serve. One primary purpose is to track progress of air quality improvements, including improvements resulting from CERP actions. Another important purpose is to take air measurement near the priority concerns of the community and evaluate if there are previously unknown significant sources of pollution that may be affecting the local communities. Staff will continue to work in consultation with CSC members and members of the community in the implementation and measurement results of these plans.

Public Meeting Comment #11: Veronica Polanco – Resident of Boyle Heights

11-1: Ms. Polanco asked whether the Facility INformation Detail (FIND) web tool details whether violations by a given facility are categorized by either nuisance or a more serious emission violation that endangers public health. She also asked whether the FIND tool shows the violation history of a given facility and if there was a link to submit violations.

Response to Public Meeting Comment 11-1

The FIND tool already shows any past and pending Notices of Violation (NOV) or Notices to Comply (NTC) for any South Coast AQMD-regulated facility, the details behind such violations, and whether the violation has been resolved. While the NOVs are not explicitly categorized by type (e.g. administrative, emissions violation, nuisance, etc.), the description of the NOV provides information that conveys the type of violation that occurred. The public can access the FIND tool to search for information about South Coast AQMD-regulated facilities at: <https://www.aqmd.gov/nav/FIND>.

Air quality complaints, including complaints of excessive odors, smoke, dust, or other contaminants can be submitted online (<http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>), over the phone (1-800-CUT-SMOG), or through the South Coast AQMD mobile app.

Staff appreciates the system improvements being suggested for the FIND tool and will work with the CSC to identify and implement improvements as part of the CERP efforts. These efforts are encompassed in Chapter 5h, Action 1.

#### Public Meeting Comment #12: Jennifer Lahoda – President of Boyle Heights Chamber of Commerce

12-1: Ms. Lahoda asked whether it was possible to know the severity of a given NOV and why emissions are not displayed for many facilities in the FIND tool. She also wants to know how information can be submitted in the tool and whether it has been received and applied within the system.

#### Response to Public Meeting Comment 12-1

The severity of the NOV is not specified in the FIND tool, although a description of the NOV is provided. Information provided in the FIND tool specifies which section of a given South Coast AQMD rule that a facility has violated. Regarding facility emissions data, the South Coast AQMD has rules that specify which facilities need to report their emissions. This includes the requirements for annual reporting under the Annual Emissions Reporting (AER) program, and additional requirements for quadrennial reporting under the AB 2588 Air Toxics Hot Spots program, if applicable. These programs require reporting from facilities that typically have higher levels of emissions or pose elevated risk to the community. The facility emissions data that appear in the FIND tool are submitted to South Coast AQMD through a web reporting portal.

Staff appreciates the system improvements being suggested for the FIND tool and will work with the CSC to identify and implement improvements as part of the CERP efforts. These efforts are encompassed in Chapter 5h, Action 1.

#### Public Meeting Comment #13: Wendy Gutschow - Project Coordinator at Keck School of Medicine at USC

13-1: Ms. Gutschow said that there should be a filter that lets FIND users know which facilities have Notices of Violations (NOVs) and asked how the FIND tool interfaces with or reflects non-prosecution agreements (NPAs) between South Coast AQMD and a given facility.

Response to Public Meeting Comment 13-1

The FIND database does include information about enforcement actions at a facility, including NOVs, Notices to Comply, and Hearing Board cases. However, the tool does not currently have a feature which allows filtering of listed or displayed facilities by these criteria.

As stated above, staff appreciates the system improvements being suggested for the FIND tool and will work with the CSC to identify and implement improvements as part of the CERP efforts. These efforts are encompassed in Chapter 5h, Action 1.

Public Meeting Comment #14: Carina Sanchez – Active Resident of East Los Angeles

14-1: Asked how to file a complaint when searching for a business using the FIND tool if one finds or suspects that a facility's emissions are not what is being reported.

Response to Public Meeting Comment 14-1

Currently, the FIND tool cannot be used to file a complaint. If a member of the public suspects that a facility is in violation of a South Coast AQMD rule or permit condition, they can submit complaints online (<https://www.aqmd.gov/home/air-quality/complaints>), through the mobile app, or call 1-800-CUT-SMOG to report the problem. In the case of a potential problem with a facility emissions report, staff would consider the concerns of the complainant and evaluate the facility's reported emissions. If there are errors or missing data, staff will work to correct the data and ensure that the reported emissions are accurate. Staff would also evaluate whether a South Coast AQMD rule had been violated by the facility in reporting their emissions data and issue a NOV or refer the matter to legal counsel for prosecution, if appropriate.

Public Meeting Comment #15: Community Member

15-1: A member of the community recommended investing funds to purchase low-NOx trucks. She thinks that such investments should prioritize those communities that have high levels of diesel truck traffic.

Response to Public Meeting Comment 15-1

Chapter 5b of the CERP for the ELABHWC community prioritizes a number of strategies to reduce emissions from heavy-duty trucks, including new incentive funding opportunities to replace heavy-duty diesel trucks with zero-emission technologies once they become available and near-zero emission technologies until that time.

## Public Meeting Comments (CSC Meeting #9 – August 22, 2019)

### Public Meeting Comment #16: Jill Johnston – University of Southern California

16-1: Dr. Johnston asked whether the emission reduction targets that were presented represent targets specifically to the ELABHWC community or for all AB 617 communities under South Coast AQMD's jurisdiction. She also asked whether these expected reductions in emissions were due to existing CARB rules that are already in place or were the reductions because of actions from the CERP. She then suggested including baseline emission values to give perspective about the emission reductions. Lastly, although CARB's Heavy-Duty Low NOx Rule is intended to target trucks, she noted that it is important to consider how this rule can be applied towards railyards and the amount of associated emission reductions, especially considering the number of railyards present in ELABHWC community.

#### Response to Public Meeting Comment 16-1

The expected emissions due to existing CARB and South Coast AQMD rules that are already in place is what is reflected in Chapter 3b (Source Attribution report). The projected emission reductions in this community that would be achieved through the CERP is what is presented in Chapter 5a. To help clarify the number presented, staff have added language and tables in Chapter 5a to present the CERP-related emission reductions in the context of the baseline emission values, to give perspective as to the degree to which emissions are being reduced. Some of the emission reductions (40 – 50 tons per year (tpy) for NOx; 0.5 – 0.6 tpy for DPM) will come from South Coast AQMD incentive programs. The other emission reductions from the CERP will come primarily from four CARB regulations on mobile sources: Advanced Clean Car 2, Heavy-Duty Vehicle Inspection and Maintenance, Advanced Clean Trucks Regulation, and Heavy-Duty Low NOx Rule. Implementing the CERP will result in NOx and DPM reductions of 377.1 tpy (20% additional reduction) and 1.5 tpy (13% additional reduction), respectively, by 2029. Staff agree that emission reductions resulting from CARB's Heavy-Duty Low NOx Rule would reduce emissions from trucks that operate near railyards, and would be a benefit for this community.

### Public Meeting Comment #17: Rafael Yanez – Active Resident of East Los Angeles

17-1: Mr. Yanez expressed concern that the plans that were presented did not discuss measuring emissions from trucks, considering the large volume of truck traffic in the community. He noted that to measure truck emissions would help evaluate whether the emission reduction targets are being achieved. He pointed out that while the Portable Emissions AcQuisition System (PEAQs) system is still being tested, he was disappointed

that it was not included in the plan. He asked for the PEAQS system to be included in the CERP, to be used when the technology is available for use. He would like this technology to be brought to the Board's attention, so that they may be able to allocate funding to further develop the PEAQS system to make it ready to be used in the field.

Response to Public Meeting Comment 17-1

Staff has updated Chapter 5b of the CERP to state that South Coast AQMD will explore the possibility of using Automated License Plate Reader (ALPR) and PEAQS systems in the community and choose monitoring locations based on feedback from the community. South Coast AQMD's goal is to conduct a pilot study to test the suitability of the PEAQS system to support directing incentive funds and/or CARB enforcement actions, as stated in Action 3 of Chapter 5b. Emissions from truck traffic are a high priority to address in this community, and tracking the progress of emissions reductions will be done through a variety of methods, including using monitoring strategies as well as tracking emissions reductions that are achieved through implementing incentive projects and rule development.

Public Meeting Comment #18: Evelyn Nuño – Representative for Assemblywoman Cristina Garcia

18-1: Ms. Nuño asked how written comments for the CERP that were submitted after the August 9, 2019 deadline would be addressed since they will not be included in the CERP. Also, on Chapter 5b of the CERP, on the second page, she noticed language that suggested that South Coast AQMD would monitor mobile emissions on roadways using technology similar to the PEAQS system, a system which South Coast AQMD had mentioned earlier in the meeting as being in its infancy and not something to necessarily base future monitoring efforts. Or do plans to implement PEAQS need to be incorporated in the CAMP?

Response to Public Meeting Comment 18-1

Staff has updated Chapter 5b of the CERP to state that South Coast AQMD will explore the possibility of using ALPR and PEAQS systems in the community and choose monitoring locations based on feedback from the community. South Coast AQMD's goal is to conduct a pilot study to test the suitability of the PEAQS system to support directing incentive funds and/or CARB enforcement actions, as stated in Action 3 of Chapter 5b.

At the time this verbal comment was made, staff stated that even if comments were submitted after the August 9<sup>th</sup> deadline, every effort would be made to address those concerns. Staff attempted to address all concerns or comments received in the CERP or in the Response to Comments section of this document.

Public Meeting Comment #19: Brian Johnston – White Memorial Medical Center

19-1: Dr. Johnston identified specific locations of concern (e.g., schools, etc.) that are affected by air pollution from traffic and wants to know if there will be ongoing monitoring efforts around such locations to observe whether air pollution levels are getting better or worse over the course of the AB 617 program. Also, he wants to know whether the data from the mobile air monitoring measurements will be made available, particularly in these areas of concern, such as schools.

Response to Public Meeting Comment 19-1

Mobile air monitoring efforts began on July 1, 2019 and will occur once to twice each week on a recurring basis as stated in the CAMP and will be used to determine future air monitoring efforts in consultation with the CSC members and the ELABHWC community. The South Coast AQMD is currently processing, analyzing, and mapping these data and the data will be posted online during the fall of 2019 once they have been fully validated. The results from subsequent measurements will be posted online as they become available. Also, Action 1 in Chapter 5g of the CERP states that South Coast AQMD will work with local schools to conduct air measurements at schools for limited-term assessments.

Public Meeting Comment #20: Leoda Valenzuela – COFEM

20-1: Ms. Valenzuela seconds Jill Johnston’s earlier comment about including baseline values in the emission reduction targets to give perspective as to the degree to which progress is being made. She could not find the baseline values or the values that were presented in Chapter 3 of the CERP.

Response to Public Meeting Comment 20-1

The projected emission reduction targets with baseline emissions are presented in Chapter 5a of the CERP.

Public Meeting Comment #21: Evelyn Nuño – Representative for Assemblywoman Cristina Garcia

21-1: Ms. Nuño wanted to know how the data from mobile monitoring measurements could account for differences in seasonal effects and weather patterns which have a lot of variation and thus affect such measurements.

Response to Public Meeting Comment 21-1

As mentioned in the CAMP, mobile air monitoring measurements will be used to assess locations for future stationary air monitoring efforts to account for variations in daily and seasonal weather

conditions which might affect air pollution levels at a given location which the mobile monitoring platform might not necessarily be able to capture.

Public Meeting Comment #22: Rafael Yanez – Active Resident of East Los Angeles

22-1: Mr. Yanez asked that South Coast AQMD consider other external factors when conducting mobile air monitoring measurements such as traffic patterns and the time of day. Some examples of this include morning/evening rush hour (which might lead to higher emissions of pollutants which are not necessarily indicative of normal background levels), whether measurements occur during summer months (which might have fewer emissions since there are fewer students traveling to/from school), or even the international trade issues which may affect emissions around railyards due to fewer cargo loads, etc.

Response to Public Meeting Comment 22-1

The mobile air measurement efforts will take into consideration external factors such as traffic patterns and time of day when interpreting air measurement data. Also, as mentioned in the CAMP, mobile air monitoring measurements will be used to assess locations for future stationary air monitoring efforts to account for variations in daily and seasonal weather conditions, among other factors, which might affect air pollution levels at a given location which the mobile air monitoring platform might not necessarily be able to capture.



## Comment Letters

Comment Letter #1: Carina Sanchez – Active Resident of East Los Angeles

### Comment Letter #1



#### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**

Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**

ELA

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

**Date Created**

07/03/2019

**Time Created**

11:21 AM

#### Commentor Contact Information

**Commenter's Name \***

CARINA SANCHEZ

**Affiliation \***

Active Resident

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***  
**On subchapter 5H (waste transfer stations):**

Is there any way to limit the amount of cars (employees) and waste collection trucks these businesses can have?  
 For example, City Terrace Recycling & Waste Transfer Station just got their permit to expand approved. This is going to add more cars and waste collection trucks to the neighborhood which will cause more pollution.

Such facilities need to be fully enclosed. Some of these facilities in our communities are not. How can we make them fully enclosed?

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.  
 Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto  
 For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)  
 Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

1-1

### Response to Comment Letter 1-1

South Coast AQMD implements Rule 2202 – On Road Motor Vehicle Mitigation Options, which requires facilities with 250 employees or more to reduce emissions from employee commute trips or provide comparable emission reductions from other sources. If the employer chooses the trip reduction option, employees are encouraged to carpool; thus, reducing traffic and emissions. However, state law prohibits applying this rule to facilities with fewer than 250 employees.

Transfer Stations and Material Recovery Systems are subject to South Coast AQMD Rule 402 – Nuisance and Rule 410 – Odors from Transfer Stations and Material Recovery Facilities. South Coast AQMD Rule 410 is designed to complement Rule 402. Rule 402 prohibits the discharge of air contaminants or other material which can cause nuisance or annoyance to any considerable number of people or to the public or which endanger the comfort or repose of any such persons, or the public. Historically, facilities within the South Coast Air Basin that emit odors causing a public nuisance have been cited for violation of Rule 402. Rule 410 establishes minimum requirements for transfer stations and Material Recovery Facilities (MRFs) and offers a proactive approach to minimizing odors. Odors from transfer stations and MRFs are very site-specific, and depend upon a number of different factors, including the type of waste (e.g., municipal solid

waste, green waste, construction and demolition materials, etc.), and types of odor controls at a facility, among other factors. In addition, facility operators use a variety of operating practices to minimize offsite odors.

The City Terrace Recycling & Waste Transfer Station, located at 1511-1533 Fishburn Avenue in East Los Angeles is a Large Volume Transfer Station. Operational conditions for this facility are permitted by CalRecycle, under the California Environmental Protection agency. The Local Enforcement Agency that ensures compliance with this permit is the County of Los Angeles Department of Public Health.

CalRecycle outlines the design and operation of the City Terrace Recycling Material Recovery Facility and Transfer Station. The permit conditions and facility plan described by CalRecycle pertaining to employee cars and waste collection trucks, and facility enclosures are addressed in this permit. Staff will address odors by working with these types of facilities and local agencies to identify measures to mitigate odors, such as establishing full enclosures.

## Comment Letter #2: Leoda Valenzuela – Consejo de Federaciones Mexicanas (COFEM)

## Comment Letter #2



### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community

Boyle Heights, East Los Angeles, West Commerce

AB617 Year 1 Community Code

ELA

AB617 Doc Type

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created

07/09/2019

Time Created

9:30 AM

#### Commentor Contact Information

Commenter's Name \*

LEODA VALENZUELA

Affiliation \*

Community Organization

Email Address \*

[REDACTED]

Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

#### Neighborhood and Freeway Traffic

- **5-2 Increased enforcement of CARB's Truck and Bus Idling Rules to reduce diesel emissions**
  - Ensure adequate signage in areas prone to idling and near sensitive receptors
  - Use clear and deterrent language (i.e. "no truck idling" instead of "no stopping)
  - Partner with sensitive receptor staff to use complaint system to report idling and identify new areas being affected, and areas that need new signage
- **5-2 Improving complaint systems designed to report illegal truck idling or truck travel on local roadways**
  - By incentivizing community member action (e.g. monetary compensation or other compensation for reporting)
  - By funding marketing to create awareness in highly affected communities, especially Latino and other underserved populations about the complaints system
  - By funding enough capacity for complaints system personnel to have follow up with individual callers who reported and air quality concern in the highly affected areas
  - Ensuring information is easily accessible for different age groups (i.e. paper flyers in senior centers or neighborhoods, phone app codes to send you directly to complaint system, link on conspicuous place on website, social media newspaper, radio etc.)
  - Ensuring information is language accessible
  - Awareness on impacts of idling trucks and truck travel on local roadways alongside complaint system marketing
- **5-7 Participate in CARB's rule development for future amendments to their truck regulations**
  - Include in representation at least one community organization to be at rule development meetings, support local organizations in capacity funding to be able to participate and share the information with the community, conduct focus groups and collect further feedback from community members/residents on new rules
- **5-9 Work with CSC to explore the feasibility for using ALPR systems...**
  - Begin public information and outreach on incentives to switch to cleaner trucks regardless of ALPR system feasibility or success.
  - Maintain transparency with the community on progress made with this action through continual reporting on ALPR system project status, outreach conducted, number of contact attempts made to truck owners to incentivize switching to newer trucks, areas dominantly impacted by change (positively), areas still in need of more outreach (gaps) based on air measurements, and ongoing strategy adjustment to ensure incentive program is successful

2-1

2-2

2-3

#### Metal Processing

- **5-3 Course of Action**
  - Add action taken if elevated levels are toxic metal emissions are found after follow up, how will this be addressed (fines etc.)

2-4

#### Rendering Facilities

- **5-2 respond to odor complaints on an expedited basis**
  - Define expedited basis, how long will this take approximately, set goal to reach.
  - Send monitoring data updates to community stakeholders (i.e. community orgs etc.)

2-5

#### Response to Comment Letter 2-1

Staff is collaborating with appropriate agencies to identify areas in the community to implement no idling/no truck zones, and signage. Please see page 4 of Chapter 5b – Neighborhood and Freeway Traffic from Trucks and Automobiles. Action 1 “Course of Action”, South Coast AQMD aims to work with cities and counties to install adequate signage prohibiting truck idling in certain locations, and working with the CSC to determine those locations. Action 1 of Chapter 5b includes a commitment to work with the CSC to conduct outreach (e.g., filing effective complaints) for reporting idling trucks using the existing complaint system, and assess where improvements are feasible if the existing complaint system is determined to be ineffective.

In addition to Chapter 5b, Action 1 of Chapter 5h – General Concerns about Industrial Facilities, including Waste Transfer Stations includes additional commitments to work with local community centers and organizations to provide outreach and training on how to file air quality complaints, either by phone, web, or mobile app, and seek opportunities to advertise South Coast AQMD’s 1-800-CUT-SMOG complaint line. This targeted outreach on how to file an air quality complaint will apply to any air quality related complaint. Depending on the input from the CSC, South Coast AQMD staff will work to provide materials and outreach that is accessible to languages that are prominent in this community. Action 1 of Chapter 5g – Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects includes goals to collaborate with community based organizations on how to reduce exposure for sensitive populations, and working with community based organizations to develop informational tools that highlight impacts of idling trucks and residential truck traffic, and how the community can minimize their exposure.

South Coast AQMD Compliance and Enforcement Staff have adopted best practices to provide complainants follow-up information, and to let them know the initial result of the inspector’s investigation (excluding any details that may jeopardize potential enforcement action). If an individual files a complaint with South Coast AQMD and provides a phone number, staff will follow up with them.

#### Response to Comment Letter 2-2

CARB welcomes and needs representation from community organizations during its rule development process and holds a number of public workshops during the development of new or amended regulations. Most workshops are webcast and recorded to promote a broader public process. Additionally, draft language is also provided for public comment prior to consideration by the CARB Board. The AB 617 Community Air Grants are available for community groups to support their work to help increase residents’ engagement in the AB 617 process. South Coast AQMD will provide quarterly updates to CSC members for CARB rule development process meetings, when available.

#### Response to Comment Letter 2-3

Action 3 of Chapter 5b includes a commitment from South Coast AQMD to explore the possibility of using the ALPR in this community, and to provide quarterly or biannual updates to the CSC on progress made. South Coast AQMD will develop an ALPR privacy policy in compliance with Civil Code Section 1798.90.5, *et seq.* and hold a public hearing to provide the public an opportunity to comment on the proposed program.

South Coast AQMD will provide updates made in assessing the feasibility of the ALPR system. If the ALPR systems are installed, South Coast AQMD staff will update the CSC on the outreach efforts at locations identified by the CSC. If adjustments to selected locations need to be made based on findings from the ALPR or input from the CSC, South Coast AQMD staff will work with the appropriate entities.

Action 2 of Chapter 5b includes a commitment from South Coast AQMD to conduct outreach to truck owners and operators in the community regarding incentive opportunities and programs. This commitment will be implemented regardless of ALPR actions related to incentives. Beginning 2020, South Coast AQMD staff will provide the CSC with quarterly updates on community outreach efforts for incentives.

#### Response to Comment Letter 2-4

The actions that South Coast AQMD takes to address elevated levels of toxic metal emissions are case specific. The particular response typically depends on the toxic metal type(s) identified and the corresponding, detected level(s). Generally speaking, however, staff may take the following steps to address elevated toxic emission levels: (a) conduct surveillance, perform onsite inspections, use technology to perform metals screening (e.g., XRF), collect samples to evaluate if emissions are coming from known potential sources of the metal and, based on concentrations detected by monitoring equipment and meteorological data, attempt to identify any other, currently unknown potential sources; (b) request records and information from facilities, potentially through the issuance of Notices to Comply; (c) after determining the likely source(s) of the metal, review permit conditions and all applicable rules; and (d) upon identifying violations of applicable rules and/or permit conditions, issue Notices of Violation or take other appropriate enforcement action. A Notice of Violation typically requires the facility to pay an associated civil penalty.

#### Response to Comment Letter 2-5

South Coast AQMD's goal is to respond to all complaints received on the complaint hotline (1-800-CUT-SMOG) within two hours. Inspectors assigned to investigate rendering odors are generally assigned to specific geographic areas which can encompass multiple cities. Therefore, the timing of complaint response depends on multiple factors, such as available personnel and ongoing inspections already in progress at the time the complaint was received. However, for rendering facilities, odor complaints will be addressed on an expedited basis. This means that in the absence of an ongoing, high-risk investigation – for example, responding to a gas leak at a

school or inspecting a known toxics facility – available inspectors will attempt to respond within two hours to these complaints.

Updates for monitoring efforts within this community will be provided quarterly or biannually. South Coast AQMD Monitoring staff plans to compile, organize, and distribute monitoring information through data summaries and reports. The frequency of these reports will depend on the air quality concern; staff plans to work with the CSC to determine the frequency of the updates.



## Comment Letter #3: Marisa Blackshire – BNSF Railway (BNSF)

## Comment Letter #3

 SCAQMD Banner
Community Emission Reduction Plan  
(CERP) Comment Form

**AB617 Year 1 Community**  
Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**  
ELA

**AB617 Doc Type**  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

## Form Information

**Date Created**  
07/10/2019

**Time Created**  
10:21 AM

## Commentor Contact Information

**Commenter's Name \***  
MARISA BLACKSHIRE

**Affiliation \***  
Business Representative

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

BNSF appreciates serving on the Steering Committee, and we offer the following comments on behalf of BNSF Railway and Union Pacific Railroad.

1. We suggest the following edit in the Federal Actions section on page 5-2 to clarify U.S. EPA's role in regulating locomotive emissions: "Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. Environmental Protection Agency."
  2. On page 5-3, the draft states: "[the EPA] regulations do not require railroads to reduce their use of existing older, higher-emitting locomotives." Please add "Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time."
  3. Page 5-3 states: "[EPA's] regulations limit idling for both new and remanufactured locomotives..." EPA regulations do not limit idling, but instead require the installation of devices that reduce idling on newly manufactured and remanufactured locomotives.
  4. On page 5-3, the draft states: "In 2017, CARB also petitioned EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines." Please add "The CARB petition is under review by the EPA."
  5. Page 5-3 states that the District "...is evaluating potential strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions." The railroads have participated in workshops related to Facility Based Mobile Source Measures and will continue to engage with District staff and the community. Any ISR proposals must be within the District's legal authority.
  6. Page 5-5 states: "Conduct fenceline and/or mobile monitoring around railyards to identify activities that may cause increased levels of air pollution. Mobile measurements (and fixed monitoring, when appropriate) will extend into the community to assess how railyard related emissions may contribute to the overall air pollution burden in this community." BNSF requests that the District consult with the railroads before conducting new fenceline and/or mobile monitoring so that we may share our insights and expertise with the District as it develops its monitoring protocols.
  7. The railroads are updating emissions inventories for several southern California railyards which show significant reductions. We are reviewing these with District staff.
  8. UP and BNSF have a multi-decade track record of improving air quality within the District and appreciate the District's successful efforts to partner with us to provide incentives to develop and test new, cleaner locomotives and technology used in railyards.
  9. Again, thank you for the opportunity to be a member of the Steering Committee. Please call or email with questions.
- Marisa Blackshire  
BNSF Railway

3-1

3-2

3-3

3-4

3-5

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Based on these comments, staff has provided appropriate changes to the following

Response to Comment Letter 3-1

Staff included a sentence on page 5c-2 to read “Railroad operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA”.

Staff added a sentence reading “Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time”.

Staff adjusted the sentence to read “These regulations require the installation of devices that reduce idling (i.e., require idling limits with exceptions on newly manufactured and remanufactured locomotives, and mandate the use of ultra-low sulfur diesel fuel”.

Response to Comment Letter 3-2

In 2017, the California Air Resources Board (CARB) petitioned the U.S. EPA<sup>2</sup> to update emission standards for new and remanufactured locomotives, establishing a cleaner Tier 5 standard for new engines. The petition asked that the new emission standards go into effect in 2023 for remanufactured locomotives, and 2025 for new locomotives. South Coast AQMD issued a letter of support for the petition. The U.S. EPA acknowledged the receipt of the petition, but has not provided any update or plans for further action.

Response to Comment Letter 3-3

Staff thanks BNSF for their continued effort in participating in the process to develop Facility Based Mobile Source Measures and their commitment to continue to engage with South Coast AQMD and the community on these efforts.

Response to Comment Letter 3-4

Staff plans to use multiple tools to conduct mobile and/or fixed monitoring outside of the BNSF facility and in the surrounding community. If monitoring inside of the BNSF facility is needed South Coast AQMD staff will work with BNSF staff to coordinate these efforts. South Coast AQMD staff appreciates the opportunity to collaborate with BNSF to interpret results of these measurement efforts, and consult on where to locate South Coast AQMD monitoring equipment.

Response to Comment Letter 3-5

Staff thanks BNSF for their commitment to updating their emission inventories for several Southern California railyards, and continues to be committed to reviewing the data provided by BNSF. Staff also thanks Union Pacific and BNSF for their partnerships in developing, and testing new, cleaner locomotives and technology used in railyard.

---

<sup>2</sup> Even if the U.S. EPA were to update the emission standards in response to the petition, the new standards would only apply to new and remanufactured locomotive engines. Given the slow turnover of the railroads’ fleet, emissions reductions would not be immediate.

Staff thanks BNSF for their participation and engagement on the Community Steering Committee and looks forward to collaborating with BNSF on future strategies to reduce air pollution.

## Comment Letter #4: Carina Sanchez – Active Resident of East Los Angeles

## Comment Letter #4



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**

Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**

ELA

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**

☒ English ☐ Español

**Form Information****Date Created**

07/26/2019

**Time Created**

12:51 PM

**Commentor Contact Information****Commenter's Name \***

CARINA SANCHEZ

**Affiliation \***

Active Resident

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

In the Mobile Monitoring, please make sure that Diesel PM is being tracked in the northern part of City Terrace (industrial park, north of the 10-freeway)

4-1

## Appendix RTC-28

Response to Comment Letter 4-1

The Community Air Monitoring Plan includes a section that outlines the commitment to monitoring areas that were identified by the CSC and members of the community as areas with air quality concerns. Staff plans on conducting measurements of black carbon, which is an indicator of diesel PM. These measurements will be conducted in the City Terrace area, north of the Interstate 10 (I-10) freeway based on the air quality concerns reported to South Coast AQMD staff.



Comment Letter #5: Brian Johnston – White Memorial Medical Center

## Comment Letter #5



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**

Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**

ELA

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

**Date Created**

07/31/2019

**Time Created**

3:08 PM

#### Commentor Contact Information

**Commenter's Name \***

BRIAN JOHNSTON

**Affiliation \***

Agency, School, University or Hospital

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

The link only connected me to the contents page of the CERP. I would like to be able to see the actual plan. How can I get a copy of the plan before the deadline for comments takes effect?

5-1

#### Appendix RTC-30

East Los Angeles, Boyle Heights, West Commerce

Draft Final

Response to Comment Letter 5-1

The Discussion Draft and Draft Community Emissions Reduction Plan (CERP) are available on the South Coast AQMD website and are organized by individual chapter and can be found here at this site: <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/east-la/community-emissions-reduction-plan>. A complete copy of the Draft CERP is also posted on the South Coast AQMD website and can be found here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/cerp/compiled-draft-cerp-ela.pdf?sfvrsn=8>.



## Comment Letter #6: Carina Sanchez – Active Resident of East Los Angeles

## Comment Letter #6-1



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**  
Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**  
ELA

**AB617 Doc Type**  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**  
☒ English ☐ Español

#### Form Information

<b>Date Created</b> 08/06/2019	<b>Time Created</b> 11:30 AM
-----------------------------------	---------------------------------

#### Commentor Contact Information

<b>Commenter's Name *</b> CARINA SANCHEZ	<b>Affiliation *</b> Active Resident
---	---

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

It should be mandatory for all industrial businesses to be part of the FIND database -- this would be a good start to becoming a "good neighbor"

6-1

#### Appendix RTC-32

East Los Angeles, Boyle Heights, West Commerce  
Draft Final

## Comment Letter #6-2



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**  
Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**  
ELA

**AB617 Doc Type**  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created	Time Created
08/06/2019	11:47 AM

#### Commentor Contact Information

<b>Commenter's Name *</b> CARINA SANCHEZ	<b>Affiliation *</b> Active Resident
---	---

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***

We need air filters in our homes -- that is a fast, effective, and direct way to start reducing toxic air exposure in our neighborhoods. This is a MUST. The toxic air outside our homes gets trapped indoors -- this indoor air can have higher concentrations of toxins! How can the county/state help in that? Can we get a voucher/credit to purchase one? How about we use some of that CARB settlement money towards the funding of home air filters? Can we discuss this at our next meeting?

6-2

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)



## Comment Letter #6-3

### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**

Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**

ELA

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**

☒ English ☐ Español

**Form Information**
**Date Created**

08/06/2019

**Time Created**

11:59 AM

**Commentor Contact Information**
**Commenter's Name \***

CARINA SANCHEZ

**Affiliation \***

Active Resident

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

**Comments (Unlimited Size) \***  
 In Chapter 5G, I think we should add Floricanto Performing Arts Center to the list of "Where Children Spend Time"  
 This is a performing arts center where families and children/teens spend time. This organization is on 4232 Whiteside St, Los Angeles, CA 90063

6-3

Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)

Archivos de comentarios sobre el CERP

Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.  
 Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto  
 For More Information Contact: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)  
 Para más información contáctese con: [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

#### Response to Comment Letter 6-1

The South Coast AQMD Facility INformation Database (FIND) tool includes facilities permitted by the South Coast AQMD. CARB continues to develop regulations that may expand the number and type of facilities that are required to report emissions.

#### Response to Comment Letter 6-2

Staff has added an additional action in Chapter 5g—Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects – Exposure Reduction. Action 3 of Chapter 5g commits South Coast AQMD to identifying existing programs or funding sources that may provide home filtration systems.

#### Response to Comment Letter 6-3

The Floricanto Center for the Performing Arts is listed as air quality concern #99 in Table 3a-2 of Chapter 3a and is categorized as a location where people in this community spend time. Chapter 5g (Page 5g-1) describes areas that CSC members identified where people spend time, and where South Coast AQMD should focus on reducing exposure.

Comment Letter #7: Soyeon Choi –Los Angeles County Department of Regional Planning

## Comment Letter #7



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**  
Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**  
ELA

**AB617 Doc Type**  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**  
☒ English ☐ Español

#### Form Information

<b>Date Created</b> 08/07/2019	<b>Time Created</b> 11:30 AM
-----------------------------------	---------------------------------

#### Commentor Contact Information

<b>Commenter's Name *</b> SOYEON CHOI	<b>Affiliation *</b> Agency, School, University or Hospital
<b>Email Address *</b> [REDACTED]	
<b>Email Address Valid (Y/N)</b> Y	

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

Appendix RTC-37

East Los Angeles, Boyle Heights, West Commerce  
Draft Final

**Comments (Unlimited Size) \***

I am Soyeon Choi with Los Angeles County Department of Regional Planning. We have a couple of comments and questions:

1. In Chapter 5h, under the Green Zones Program, please change ‘...DRP launched the Green Zones...’ to ‘... started developing the Green Zones’ as the program is currently in development stage.
2. We also have a general question about the overall initiative. Does any part of CERP include any financial support for the local industrial businesses with, i.e., replacement of older equipment with newer, less polluting equipment? If there are more details about this possible actions, we would like to learn more and discuss further on ways to coordinate.

We appreciate your work in the communities and the opportunity to provide comments. We look forward to continued collaboration with your agency on promoting EJ in the focus communities in the unincorporated areas.

Thank you.

Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)

Archivos de comentarios sobre el CERP

Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)

CERP Comment Files

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: ab617@aqmd.gov

Para más información contáctese con: ab617@aqmd.gov

7-1

7-2

**Response to Comment Letter 7-1**

Staff changed the sentence to read “The Los Angeles County Department of Regional Planning started developing the Green Zones Program in 2015, focusing efforts on disproportionate environmental and health impacts in disadvantaged communities”.

**Response to Comment Letter 7-2**

South Coast AQMD provides incentive funding for specific types of equipment replacement. Generally, incentive funding is only provided if facilities go above and beyond existing requirements, and are not provided just for compliance. Some existing programs are described below:

Voluntary Incentive Program: South Coast AQMD is seeking to incentivize stationary source projects that will result in emission reductions of NOx, VOC, and PM and in some cases, assist in implementation of the approved control strategy in the 2016 Air Quality Management Plan (AQMP). The incentives would be issued for emission mitigation, reduced toxics exposure, and

new technology development and deployment. More information on qualifications and requirements for eligibility can be found here: <https://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/voluntary-incentive-program>.

Financial Incentive Grant Program: The South Coast AQMD's dry cleaning Rule 1421, offers a limited amount of money, distributed on a first come, first serve basis for business owners who are phasing out the use of perchloroethylene in dry cleaning equipment, and switching to cleaner technologies. In addition, the AB 617 Community Air Protection Program incentive funds include a few categories of stationary source incentives. Senate Bill 856 allows Community Air Protection incentives to be distributed to owners of qualifying stationary sources. The funding is intended to provide replacement equipment with technologies that will result in direct emission reductions of toxic air contaminants, such as hexavalent chromium, and criteria air pollution, including zero-emission technologies.

If other stationary source incentive funding becomes available, staff will provide quarterly or biannual updates to the CSC.



Comment Letter #8: Priscilla R. Hamilton – Southern California Gas Company (SoCal Gas)

## Comment Letter #8



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company  
  
555 W. 5<sup>th</sup> Street  
Los Angeles, CA 90013  
(213) 244-8237  
PHamilton@semprautilities.com

July 15, 2019

Philip Fine, Ph.D.  
Deputy Executive Officer  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

**RE: Assembly Bill 617 (AB 617) Community Emission Reduction Plans (CERPs)**

Dear Dr. Fine,

Thank you for the opportunity to comment on the South Coast Air Quality Management District's (SCAQMD) AB 617 efforts. Southern California Gas Company (SoCalGas) has participated in numerous Community Steering Committees (CSCs) and would like to commend SCAQMD staff on moving this monumental effort forward. SoCalGas looks forward to working with and assisting SCAQMD in the future. To that end, SoCalGas would like to submit the following comments on AB 617 and the Community Emission Reduction Plans (CERPs).

### **I. INCENTIVES**

Incentives are integral to achieving emission reductions from Class 7 and 8 Heavy-Duty trucks. However, there are not enough incentives available to turn over the number of trucks needed to meet state, regional, and community emission reduction goals. Therefore, incentives need to be used wisely and cost-effectively to achieve the greatest amount of emission reductions today.

#### **Scrappage programs should be used to maximize emission reductions**

The most effective approach to reducing emission reductions with incentives is to require scrappage. While it is important to get clean trucks into service, it is equally important to remove older, dirtier trucks operating in disadvantaged communities. Without removing a dirtier truck through scrappage, there is no way to ensure that truck will no longer operate in communities as the fleet expands. Scrapping trucks ensures that emission reductions will be maximized. Voucher programs with no scrappage requirements, such as the Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP), are also integral in moving the existing statewide fleet to alternative fuels, however, emission reductions in targeted areas should utilize scrappage programs to maximize emission reductions. SoCalGas recommends that incentive funding be prioritized for scrappage programs like Carl Moyer and Prop 1B.

8-1

**Funding technology advancement is contrary to the purpose of AB 617 – Current year incentives should be used for available technologies**

The purpose of AB 617 is to reduce emissions in disadvantaged communities within the five-year Community Emission Reduction Plan (CERP) time frame. While some have called for the use of incentives for demonstrations and pilots, this approach does not achieve the immediate emission reductions required by the AB 617 statute.<sup>1</sup> There are many other technology advancement programs locally and statewide that fund demonstrations and pilots for advancing technologies, such as the Low Carbon Transportation Pilots and Demonstrations, Zero and Near-Zero Emission Freight Facilities (ZANZEFF) and others. Those seeking funding for those types of projects should be directed to those programs. SoCalGas recommends that CERP incentives should focus solely on available technologies that can achieve tangible emission reductions.

8-2

**Incentives should prioritize technologies that can maximize emission reductions today**

Due to the current state of development, advanced technologies, such as battery electric class 7 and 8 trucks, have significant operating limitations, including but not limited to:

- **Range:** The California Air Resources Board (ARB) has stated that a technology is commercially available if it can be included in the HVIP eligibility list, as there is a robust process for a vehicle to be eligible for an HVIP voucher. Currently, there is only one Class 8 heavy-duty truck applicable for goods movement on the list. This truck has a maximum advertised range of 124 miles per charge. This is considerably less mileage than what the existing diesel fleet can achieve. This limited range also prohibits a one-to-one replacement of an older truck, limits how much a truck can be used, and thus limits its emission reduction potential.
- **Charging time:** Battery electric trucks can take several hours to charge. This is a significant operational difference between today's existing fleet, which requires only several minutes to refuel. Down time for charging will limit the hours a truck can be used in a day, which also limits its emission reduction potential.
- **Infrastructure availability:** The availability of infrastructure in the region is a major concern for battery electric technologies. While some may argue that charging stations can be slowly built out, there is a broader concern of finding land to accommodate charging and parking for these trucks. Due to charging, these trucks will be relegated to "return to base" operations and charging lots will need to be built nearby. In this case, it would be in or near an AB 617 community. AB 617 communities have stated various concerns with congestion and parking for trucks and placing charging lots in or near the communities would exacerbate the situation.

8-3

While these limitations may be overcome in the future, it is unrealistic to think that they will be resolved within the five-year CERP window. These limitations, and others, currently prevent battery electric technologies from doing all the things that the existing diesel fleet can do, therefore limiting the reductions that can be achieved. Natural gas trucks that meet ARB's

<sup>1</sup> See [https://leginfo.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180AB617](https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201720180AB617)

Optional Low nitrogen oxides standard<sup>2</sup> (Low-NOx trucks) can achieve significant emission reductions and can operate just like its diesel counter parts. Low-NOx trucks have similar range, power, and fuel time. They have been thoroughly tested, are available today, and can truly be a one-to-one replacement for diesel trucks.

8-3  
Cont.

#### Emission Reduction Effectiveness

Low-NOx trucks are the most effective solution in reducing emissions from heavy duty trucking. If SCAQMD used \$100 million of \$107 million in AB 617 incentives for low-NOx trucks, the emissions impact between the number of battery electric trucks versus Low-NOx trucks would be staggering.

*What could \$100 million of incentives get?*

Technology	Incentive Amount	Number of Trucks
Battery Electric	*\$332,500 <sup>3</sup>	300
Low NOx	\$100,000 <sup>4</sup>	1,000

*\*not including the \$50,000 per charger needed, an additional \$15 million total*

As shown above, \$100 million of incentives would result in 300 battery electric trucks or 1,000 Low NOx Trucks. In scrappage programs, this would also result in removing 1,000 diesel trucks from disadvantaged communities when funding Low NOx Trucks, compared to just 300 when funding battery electric trucks.

8-4

Both zero-tailpipe technologies and alternative fuel technologies would eliminate diesel particulate matter. For NOx, if all units were deployed at the same time, 300 battery electric trucks would reduce NOx emissions by 738 tons over the five-year CERP life, while 1,000 Low NOx trucks deployed at the same time would reduce NOx emissions by 2,406 tons over the same period. The significant discrepancy in emission reductions is due to the large difference in the number of Low-NOx trucks that can be turned over with \$100 million and the limited range<sup>5</sup> of battery electric trucks which results in substantially more emission reductions for Low-NOx trucks. In addition to achieving more emission reductions, it is important to point out that investing incentives into Low-NOx Trucks also removes 700 more older trucks from public roads, which would otherwise continue to emit.

As shown below, the emission difference is substantial even though the same amount of incentives would be used in each scenario. To utilize incentives most effectively, SCAQMD

<sup>2</sup> 0.02 grams of NOx per brake horsepower hour

<sup>3</sup> Based on a \$350,000 truck and a 95% funding from the Carl Moyer Program

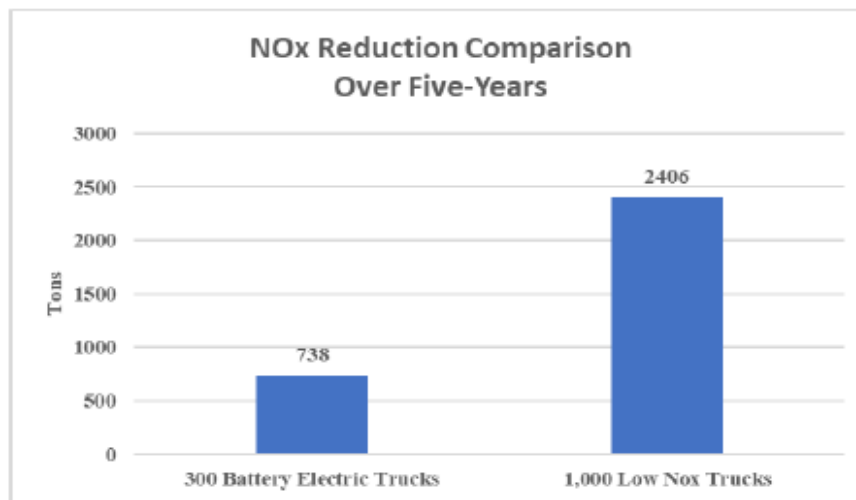
<sup>4</sup> Based on Prop 1B scrappage and comparable to current Carl Moyer Program

<sup>5</sup> Battery Electric annual mileage of 37,448 based on BYD T8 advertised range of 124 miles per day for 302 days per year), Low NOx truck annual mileage of 44,558 based on EMFAC 2014 T7POLA category.

must get as many clean trucks on the road as possible, remove as many dirty trucks as possible, and prioritize technologies that can be used in all applications.

NOx Emissions from 1,000 Trucks on the Road Today	
2,548 tons	
NOx Emission Reductions from Using \$100 million to replace with:	
Battery Electric (300 trucks)	738 tons
Low NOx (1,000 trucks)	2,406 tons
Remaining NOx emissions from Replacing Diesel Trucks	
Battery Electric (300 trucks)	1,721 (300 battery and 700 diesel trucks remain)
Low NOx (1,000 trucks)	53 (1,000 Low NOx and zero diesel trucks remain)

8-4  
Cont.





Page 5

## II. ENERGY EFFICIENCY TECHNOLOGY ADVANCEMENTS FOR AB 617 COMMUNITIES

Below are near-term technologies SoCalGas is working on that could improve energy efficiency in AB 617 communities and reduce the amount of fuel combusted for space and water heating.

### Gas-Fired Absorption Residential Heat Pump

SoCalGas has been working with Stone Mountain Technologies Inc. and the Gas technology Institute (GTI), to demonstrate a high-efficiency Gas-fired Absorption residential Heat Pump (GAHP) water heater with an Energy Factor >1.3, 11,000 Btu/hr output, and 60-80-gallon storage capacity. The GAHP is already certified by the SCAQMD and meets the 10 ng NOx/Joule regulation limit in Rule 1121. This would be a drop-in replacement for standard water heaters in existing homes.

8-5

### Residential Fuel Cell Units

SoCalGas has partnered with AQMD to demonstrate a Residential Fuel cell to be used in conjunction with solar arrays and battery storage. The solar and fuel cell will both have the ability to power the home directly while simultaneously charging the battery. The unit also has the ability to recover heat for water and/or space heating needs, which increases overall efficiency. This technology is widely used in Europe and can be an ideal solution for reducing emissions from combustion of natural gas for space and water heating in homes.

## III. Conclusion

SoCalGas appreciates your consideration of our comments. We look forward to working with staff and other stakeholders in future meetings. If you have any questions, please do not hesitate to contact me.

Sincerely,



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company

Cc:

JoKay Ghosh, Ph.D.  
Dan Garcia  
Dan McGivney  
Kevin Maggay  
Edith Moreno

Response to Comment Letter 8-1

The CERPs for all three Year 1 communities include actions to address emissions for neighborhood trucks. The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near zero) through incentives to achieve much needed emission reductions sooner. While the South Coast AQMD is currently testing and evaluating a broad range of zero-emission capable heavy-duty trucks, including battery electric and fuel cell, the only commercially available technology is the near zero-emission (0.02 g/bhp-hr NO<sub>x</sub>) 9L and 12L engines for Class 7 and 8 trucks. Therefore, as is the case with all South Coast AQMD implemented incentive programs (e.g., Carl Moyer, Prop 1B), an emphasis on cost-effectiveness will continue to be placed to maximize the NO<sub>x</sub> emission reductions, providing local and regional air quality benefits. Scrapping requirements are an integral part of many incentive programs to ensure that the emission reductions are real and permanent.

Response to Comment Letter 8-2

Incentives focus on currently available technologies, such as the near zero-emission (0.02 g/bhp-hr NO<sub>x</sub>) 9L and 12L engines for Class 7 and 8 trucks. The CSCs have prioritized zero-emission technology, where commercially available and technologically feasible. Zero-emission technologies are not commercially available at this time for heavy-duty trucks. The development, demonstration, and commercialization of cleaner technologies helps to expedite cleaner technologies prioritized by the CSC. Current year AB 617 incentives will be used for available technologies. South Coast AQMD is funding and/or cost-sharing various zero-emission capable, heavy-duty truck projects to ascertain performance and needs to varying duty cycles, including range, charging time, and infrastructure availability. As demonstration projects with truck original equipment manufacturers (OEMs) are completed, including Daimler Trucks of North America and Volvo Trucks, OEMs plan to incorporate any necessary design changes and implement these into more robust commercial projects, expected to be available in small commercial scale in 2021. South Coast AQMD will consider providing incentives to these zero-emission trucks upon commercialization and meeting incentive guidelines.

Response to Comment Letter 8-3

The CERPs include actions to implement the technologies commercially available today and maximize the use of available incentive funds to ensure the greatest emission reductions. South Coast AQMD staff is working closely with CARB on lowering the heavy-duty engine standard in California and has petitioned the U.S. EPA to establish a near zero-emission NO<sub>x</sub> truck standard for the nation.

Response to Comment Letter 8-4

South Coast AQMD is uncertain as to the cost estimates included in the comment, or the basis for the posited incentive amounts, but as indicated in Responses to Comment 20-1 and 20-3, the CERPs include actions to implement the technologies commercially available today and maximize

the use of the available incentive funds to ensure the greatest emission reductions, using cost-effectiveness as one of the key criteria. For mobile source projects, the incentive funds are to be implemented consistent with Carl Moyer or Prop 1B guidelines.

Response to Comment Letter 8-5

Thank you for your comment on gas-fired absorption residential heat pumps and residential fuel cell units. AB 617 focuses on reducing emissions from the sources of pollution prioritized by the community. These air quality priorities include refineries, ports, neighborhood truck traffic, oil drilling and production, railyards, and exposure reduction at schools, childcare centers, and homes. South Coast AQMD appreciates SoCal Gas's effort to provide information on technology that improves energy efficiency.

## Comment Letter #9: Cristin Mondy –Los Angeles County Department of Public Health

## Comment Letter #9



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**

Boyle Heights, East Los Angeles, West Commerce

**AB617 Year 1 Community Code**

ELA

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**

☒ English ☐ Español

**Form Information****Date Created**

08/09/2019

**Time Created**

1:49 PM

**Commentor Contact Information****Commenter's Name \***

CRISTIN MONDY

**Affiliation \***

Agency, School, University or Hospital

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.


**Comments (Unlimited Size) \***

See attached comments.

## Appendix RTC-47



## Comment Letter #9

	<b>Community and Field Services Division</b> Metropolitan Los Angeles – SPA 4	<b>Submitted By</b> Cristin Mondy, Regional Health Officer-SPA 4 Tiffany Romo, Sr. Public Health Analyst
<b>Actions</b>	<b>Potential gaps</b>	<b>DPH recommendations to address gaps</b>
<u>Community Engagement</u>	CERP draft lacks a clear plan for ongoing community engagement during implementation of CERP actions.	DPH recommends providing a clear strategy and timeline for continuous community engagement during implementation. The plan states that the CSC will be engaged on a quarterly or bi-annual basis; however, how will updates and information be shared with the broader community? Are there expectations that the CSC members will disseminate information broadly to impacted communities? Additionally, a marketing strategy to inform the public about meetings and other outreach efforts should be created to promote awareness and increase community representation during outreach activities.
<u>Outreach Events</u>	Minimal outreach events planned	In Chapter 5, several outreach goals state there will be 2 outreach events conducted during a 2-year timeframe (2020-2022). DPH recommends that outreach efforts are expanded to at least 1 outreach event in each of the communities per year (minimum 3 outreaches per year). Leverage existing meetings or events to ensure information dissemination to all impacted communities.
<u>Community Steering Committee</u>	Frequently missing members	Based on our attendance at CSC meetings, several CSC primary or alternate members are not present. Approximately 15 members do not show based on unclaimed tent cards. DPH recommends improving CSC attendance by engaging with missing members to confirm their commitment and, if needed, recruiting new members. Also, reporting the number of CSC attendees and meeting minutes from each meeting in Table 2-2 for transparency and accountability purpose is important.

1

LACDPH CFS-SPA 4 AB617 CERP Review 8-8-19

### Response to Comment Letter 9-1

The implementation period for the CERP for the ELABHWC community spans over five years. Action 1 of Chapter 5g – Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects includes goals to collaborate with community based organizations on how to reduce exposure for sensitive populations, and working with community based organizations to develop informational tools. Depending on input from CSC members, staff will work with collaborating organizations to conduct outreach and develop informational tools, such as infographics, flyers, trainings, or frequently asked question sheets.

During the implementation phase, South Coast AQMD staff will continue to convene the CSC on a regular basis. Quarterly meetings will commence beginning in January 2020 and the frequency may change to biannual at a later date. CSC members are strongly encouraged to share information and materials discussed at CSC meetings with their respective networks. However,

## Appendix RTC-48

East Los Angeles, Boyle Heights, West Commerce  
Draft Final

as noted above, staff will also work with other organizations to provide updates to the community as a whole.

Response to Comment Letter 9-2

Chapter 5g mentions two different types of outreach events (e.g. public outreach events, school-based programs), and staff will try to distribute these events across the three areas (Boyle Heights, East Los Angeles, West Commerce). Where resources allow, staff will conduct additional outreach in this community.

Response to Comment Letter 9-3

Staff will work to address challenges regarding CSC participation and attendance.

Comment Letter #10: Chris Chavez –Coalition for Clean Air



August 9, 2019

Dr. William Burke and Board Members  
South Coast Air Quality Management District (SCAQMD)  
21865 Copley Drive  
Diamond Bar, CA 91765

**Re: Comments on AB 617 Community Emission Reduction Plans (CERP) for the East Los Angeles/Boyle Heights/West Commerce (ELABHWC) Community**

Dear Chair Burke and the SCAQMD Board Members,

The Coalition for Clean Air (CCA) is writing to provide comments regarding the draft CERP for the ELABHWC community. Since its passage in 2017, CCA has been actively involved with the implementation of AB 617 (C. Garcia) at both the statewide and air district level. CCA staff has participated in most of the AB 617 meetings hosted by the California Air Resources Board (CARB) and SCAQMD. It's important to note we offer these comments not to speak for the local community or the Community Steering Committee (CSC), but rather to protect public health, improve air quality and prevent climate change. We hope SCAQMD uses this opportunity to begin righting decades of environmental injustice by committing to developing the strongest possible emissions reduction plan and empowering the local community.

- **The ELABHWC CERP still lacks a direct nexus to health outcomes. Reductions of toxic air contaminants from future rulemakings should be conveyed to the CSC.**

The various members of the CSC have been very clear in their request to see specific emission reduction targets that include a nexus with community health outcomes. Yet, the projected emissions reduction targets in the CERP continue to lack this nexus. The draft CERP anticipates incentive programs will result in a 40-50 tons per year (tpy) reduction of oxides of nitrogen (NOx – a criteria pollutant rather than a toxic air contaminant) and a .5-.6 tpy reduction in particulate matter (PM). The draft CERP does not include any projections regarding reductions in toxic air contaminants. While we recognize that diesel particulate matter (DPM) will be reduced along with other particulates, the specific DPM reduction is not quantified.

10-1

660 S. Figueroa Street, Suite 1140  
Los Angeles, California 90017  
(213) 223-6860

1107 Ninth Street, Suite 440  
Sacramento, California 95814  
(916) 527-8048

[www.ccair.org](http://www.ccair.org)

Appendix RTC-50

East Los Angeles, Boyle Heights, West Commerce  
Draft Final

Again, we point to the text of AB 617 and its mandate for emission reduction targets. Section 44391.2(c)(3) of the Health and Safety Code (HSC) states, “[T]he community emissions reduction programs shall be consistent with the state strategy and include emissions reduction targets, specific reduction measures, a schedule for the implementation of measures, and an enforcement plan.” While we understand that emissions reductions from future rulemakings are not available, we urge SCAQMD to include some toxic air contaminant emission reductions and a nexus to community health in the finalized CERP. Additionally, the final CERP should commit to informing the CSC of any future anticipated emissions reduction from the rulemaking process.

10-1  
Cont.

- **To the greatest extent possible, all proposed emission reductions should meet State Implementation Plan (SIP) creditable criteria (quantifiable, surplus, enforceable and permanent). However, emission reductions that don’t meet these criteria (e.g., working with local agencies to rectify bad land use decisions) should not be excluded.**

10-2

The emission reductions achieved by the CERP should be real, measurable, and verifiable. The closer they are to meeting the criteria for being SIP creditable, the more confidence the community will have in the effectiveness of the Community Air Protection program. “Paper” compliance threatens to undermine the effectiveness of the CERP and reduce the benefit to the local communities. At the same time, we recognize that not every important reduction measure lends themselves to meeting these criteria. Other opportunities which are not as easily measured but still have a positive community-level impact should not be ignored.

- **The ELABHWC CERP relies heavily on incentive funding and does not adequately assign responsibilities to polluters.**

As with the other draft CERPs, the ELABHWC CERP relies heavily on incentive funding to the possible detriment of more stringent rules and enforcement. While incentives should be included as part of the final CERP, other strategies need prioritization. For example, creating strong Indirect Source Rules (see pages 3 and 4), mandating on-site mitigation and requiring, rather than just incentivizing, zero-emissions warehouse and railyard equipment are clear examples where tighter rules will yield emissions reductions. Additionally, rules must be enforced in order to be effective. As such, SCAQMD should include tougher penalties as authorized by Section 9 of AB 617 along with greater enforcement efforts as part of its overall strategy.

10-3

Further, the lack of a specific implementing agency or firm deadlines undercuts the effectiveness of incentive programs. Regarding Action 2 of Neighborhood and freeway traffic (trucks and automobiles), “Reduce Emissions from Heavy-Duty Trucks,” SCAQMD has again failed to establish measurable goals for reducing emissions from trucks. The first goal states the following, “Organize [insert number] of incentive outreach events per year and provide biannual updates to the CSC.” SCAQMD should at least provide an anticipated number of outreach events it intends to conduct about incentive funding for trucks, instead of leaving this information blank for CSC members to fill in. At minimum (and considering the health impacts of trucks emissions and the necessity of meeting Clean Air Act goals for the South Coast Basin), SCAQMD should be providing at least monthly outreach events to trucking companies and truck drivers on incentive funding. Anything less would be irresponsible.

10-3  
Cont.

In addition to requiring greater enforcement, the draft CERP should assign requirements and responsibilities to the polluters themselves. In the draft CERP, all the major pollution sources are assigned few, if any, responsibilities. Considering these sources, which include railyards, autobody shops, metal plating facilities and rendering plants have long impacted the community’s health and quality of life, it is only right they share in the responsibility of implementation. As such, the ELABHWC CERP should, as appropriate, assign responsibilities to the other emissions sources identified in the CERP.

- **Clarity over the implementation of Best Available Retrofit Control Technology (BARCT) requirements is needed, especially considering the heavy industrial presence in the region.**

While the ELABHWC draft CERP references several current and future rules and amendments, the document does not specifically reference BARCT. This omission is problematic, given the large number of industrial sources in the region. The community would benefit greatly from knowing what BARCT is and how it's being implemented in the ELABHWC community. As a result, BARCT should be specifically referenced in the final CERP, along with a description of how it’s being implemented in all covered industrial sources. Lastly, BARCT requirements should be implemented according to the 2022 timeframe identified by SCAQMD and no later than the 2023 deadline created by Health and Safety Code §40920.6(c)(1).

10-4



- **The CERP needs to commit to a strong Indirect Source Rule (ISR) for railyards, warehouses and other pollution magnets.**

Though the CSC prioritized freeway traffic, a major contributor to the ELABHWC community's air pollution challenges are warehouses and facilities that attract trucks. Similarly, the railyards have brought in pollution from trains and cargo handling equipment for decades. As such, the finalized CERP should commit SCAQMD to developing a strong ISR to address these pollution magnets. While we applaud SCAQMD for including the development of a railyard ISR within the CERP, the CERP should go into greater detail as to what the rules would look like. This includes requiring on-site mitigation, near-zero and zero-emissions cargo handling equipment, plug-in technology and other emissions reduction and exposure-reduction strategies, as well as firm deadlines.

10-5

- **More information on current efforts to reduce emissions from railyards is needed, and railroads still need responsibilities assigned to them.**

The draft CERP still does not provide any information regarding the railyards' compliance with the second agreement in 2005 between CARB, BNSF and Union Pacific. This information should be provided to the CSC and a summary of what the railroads have done to comply with the second rule should be included in the CERP.

Further, there are still NO responsibilities assigned to the railroads themselves. Once the indirect source requirements are implemented, the railroads should have the responsibility of complying with the indirect source requirements themselves. Regarding Action 1 of Railyards, "Reduce Emissions from Railyards," and as stated in our prior comments, it makes no sense that the railroads themselves are not listed as one of the "Implementing Agency, Organization, Business or Other Entity" that will work to reduce emissions from railyards. Surely it cannot be beyond the power of SCAQMD to mention that BNSF and Union Pacific will have to be involved in any action or policy taken to reduce emissions at their associated railyards. The railroads are certainly aware that the CERP is being developed and that this goal is being included. Referencing the railroads themselves in the CERP as an implementing business entity is essential for this goal to be finalized.

10-6

We appreciate the opportunity to submit these comments for your consideration. CCA acknowledges and commends the thousands of staff-hours put into the implementation of AB 617, and understands this is a living, evolving process and document. However, the draft ELABHWC CERP still needs much work and strengthening if it is going to live up to the promise of bringing cleaner, healthier air to California's most polluted, vulnerable communities.

10-7

Sincerely,



Christopher Chavez  
Deputy Policy Director

#### Response to Comment Letter 10-1

Additional emission reduction targets have been identified and incorporated, where quantifiable, into Chapter 5a. These emission reduction targets are based upon historical incentive data and certain CARB regulations. In addition, mobile source incentive projects that replace older, higher polluting diesel trucks and equipment with cleaner technology will also reduce diesel PM emissions in the community. These emission reductions are quantified in Chapter 5g and also presented below.

Some actions in the CERP will result in emissions reductions that are not currently quantifiable. For example, Chapter 5d – Metal Processing Facilities, includes an action that would reduce toxic metal emissions. Emission reductions from fugitive emissions cannot be estimated until monitoring and other actions occur to identify potential emissions. Some rules and regulations require the rule development process to occur before emissions reductions can be quantified.

South Coast AQMD is working with CARB to address emissions from mobile sources. CARB has committed to considering amendments to their rules and regulations within the CERP to address the air quality priorities in this community, specifically heavy-duty trucks which is a main contributor of DPM. CARB has quantified emissions reduction targets, where available, for certain rules and regulations. The emissions reduction targets quantified to date are specified in the table below:

Table 5a-1: List of CARB emissions reduction targets (tons per year) by 2029 associated with CARB rule development pertaining to this community’s CERP priorities. Emission reductions reflect only those emissions estimated to originate within this community.

<b>Rules and Regulations (CARB)</b>	<b>PM2.5</b>	<b>Diesel PM</b>	<b>NOx</b>	<b>VOC</b>
Advanced Clean Car 2	0.05	0.002	2.6	0.8

<b>Rules and Regulations (CARB)</b>	<b>PM2.5</b>	<b>Diesel PM</b>	<b>NOx</b>	<b>VOC</b>
Advanced Clean Truck	0.2	0.02	8	N/A
Heavy Duty-Inspection and Maintenance	0.8	0.8	123	N/A
Low NOx Engine Standard	N/A	N/A	198	N/A

#### Response to Comment Letter 10-2

South Coast AQMD staff continues to pursue a suite of actions, including some that meet SIP creditable criteria, and some that do not meet these criteria but are equally important to reducing emissions in the community. All these actions have been carefully drafted to maximize emission reductions and to address the CSC's air quality priorities.

#### Response to Comment Letter 10-3

All actions written in the CERP will be implemented to ensure that all air quality priorities are addressed. In addition to incentives and outreach, the CERP uses a combination of strategies to address the air quality priorities and reduce emissions, such as monitoring, enforcement, and regulation. Incentives are only provided to projects that would reduce emissions above and beyond current rules and regulations. The ISR for railyards is still undergoing the rule development process. While these efforts are ongoing, incentives for equipment that go above and beyond current rules and regulations will achieve much needed emission reductions sooner for this community. Actions will be prioritized, and updates will be provided to the CSC periodically on the implementation process of all actions included in the CERP. Timelines for each action are specified in the implementation schedule (Chapter 5i).

The incentive outreach event specified in the CERP is in addition to the other ongoing incentive outreach efforts conducted by the South Coast AQMD. The CERP specifies that South Coast AQMD will conduct two incentive outreach events per year. Staff will strategically conduct outreach events when the incentive program is accepting applications. Also by allowing reevaluation of these efforts, the CERP process provides the community additional opportunity for input and built-in flexibility on how outreach for incentives can be the most effective.

Until a railroad ISR or FBMSM is developed, BNSF has been listed in the implementing agency portion of Chapter 5c, Action 1 to continue participation in FBMSM working group meetings.

#### Response to Comment Letter 10-4

As an ongoing effort, South Coast AQMD is currently discontinuing the Regional Clean Air Incentives Market (RECLAIM) program, because the ability to achieve NOx emission reductions using a market-based approach has diminished. These RECLAIM NOx facilities, typically larger facilities, will transition to a command-and-control regulatory structure to ensure these facilities meet BARCT. As a part of this effort an analysis of the equipment at each RECLAIM facility is being



conducted and is giving priority to older, higher polluting equipment that need to install retrofit controls. Appendix 3a identifies nine RECLAIM facility in the East Los Angeles, Boyle Heights, West Commerce community. As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized.

#### Response to Comment Letter 10-5

South Coast AQMD will continue to develop the ISRs in parallel to the AB 617 efforts and provide updates to the CSC on the rule making process. Details of ISR requirements needs to be determined by the rule development process so that all stakeholders can participate. Proposed rule concepts and input provided by the CSC during the development of the CERP will be considered. Staff encourages CSC members to actively participate in the South Coast AQMD rule development process for ISR. All proposed rule concepts must fall within South Coast AQMD's legal authority.

#### Response to Comment Letter 10-6

One of the strategies South Coast AQMD is evaluating to reduce emissions from railyards is through Indirect Source Rules (ISR). The development of ISRs was initially intended to address regional air pollution, specifically nitrogen oxides (NOx) emission reductions, and to attain the National Ambient Air Quality Standards as required by the Clean Air Act. However, the CSC has made it clear that an ISR must also focus on reducing localized impacts.

South Coast AQMD staff has recently received an updated emissions inventory for the Hobart, Sheila Mechanical, and Commerce Eastern Railyards that BNSF has voluntarily prepared. This information will show key changes and emission reductions that have occurred since the 2005 agreement between CARB and BNSF. In addition, BNSF indicated in their presentation that a number of emission sources have lower emissions than they did for the 2005 inventory prepared for CARB. The slide showed that, as of 2017, diesel PM emissions have been reduced by 23% from freight locomotives and 90% from non-locomotive equipment since 2005. Staff will work with BNSF to review the data and will provide updates to the community in the coming months.

Staff acknowledges that BNSF plays a key role in reducing emissions within the East Los Angeles, Boyle Heights, West Commerce community. BNSF has been added to the Implementing Agency, Organization, Business or Other Entity to reflect the following responsibilities:

- Provide updates on emission reduction activities that take place within the BNSF railyard
- Work with South Coast AQMD to replace old locomotives through incentive programs

#### Response to Comment Letter 10-7

Staff appreciates CCA's comments on the East Los Angeles, Boyle Heights, West Commerce CERP.

Comment Letter #11: Janet Whittick – California Council for Environmental and Economic Balance (CCEEB)

## Comment Letter #11



**California Council for Environmental and Economic Balance**

101 Mission Street, Suite 805, San Francisco, California 94105  
415-512-7890 phone, 415-512-7897 fax, [www.cceeb.org](http://www.cceeb.org)

June 25, 2019

Dr. Philip Fine, Deputy Executive Officer  
Dr. Jo Kay Ghosh, Health Effects Officer  
South Coast Air Quality Management District  
Submitted Electronically to <https://onbase-pub.aqmd.gov>

RE: AB 617 Draft Community Emissions Reduction Plans and  
Community Air Monitoring Plans

Dear Drs. Fine and Ghosh,

On behalf of the members of the California Council for Environmental and Economic Balance (CCEEB), we appreciate the opportunity to submit comments on the South Coast Air Quality Management District (SCAQMD or "District") draft community emissions reduction plans (CERPs) and draft community air monitoring plans (CAMPs). The SCAQMD has been a leader in developing AB 617 programs and policies, and its work in the communities of Wilmington-Long Beach-Carson, Boyle Heights-East Los Angeles-West Commerce, and San Bernardino-Muscoy serves as a model statewide for achieving targeted and effective emissions and exposure reductions in overly burdened communities. CCEEB members operate in each of these three "first-year" communities, and many are active in the District's Community Steering Committee (CSC) process, as well as related activities and proceedings at the District related to AB 617 implementation.

Individual CCEEB members have been engaging with the District and other community members at the community-level, offering perspective and expertise as part of the plan development process. CCEEB has been engaging on a broader level, through its participation in the SCAQMD AB 617 Technical Advisory Group and the Air Resources Board (ARB) AB 617 Consultation Group. Our comments reflect this broader perspective, but are based on consultation with and feedback from our membership. Our intent is to help support successful program development, both in the three "first-year" communities as well as looking forward to the continued and expanded implementation of AB 617 in future communities.

Our main point is as follows:

Appendix RTC-57

East Los Angeles, Boyle Heights, West Commerce  
Draft Final

- **Emission reduction actions should be based on technical review of those sources that contribute most to community-level exposures.** However, detailed community inventories and data on source apportionment have not yet been released, and only a high-level discussion of community impacts has occurred at community meetings. CCEEB believes the draft plans should be re-evaluated by the District and community stakeholders as more detailed and localized emissions data becomes publicly available.

AB 617 specifies that the statewide strategy to reduce criteria pollutant and toxic air contaminant emissions must include assessment of sources or source categories contributing to high cumulative exposure burdens, including the relative contribution of each source. AB 617 further specifies that air district community emissions reduction plans (CERPs) must be consistent with the statewide strategy. Yet draft actions have been developed *ahead of* the requisite technical analysis, putting the proverbial cart before the horse. For example, the Source Attribution section of the Community Profiles for Wilmington-Long Beach-Carson and San Bernardino-Muscoy will not be ready until after comments have been received on the draft CERPs. Moreover, localized air monitoring data, meant to measure and validate sources of concern to local communities, will not be available until a much later date and are not available to help establish baseline conditions or set reduction targets.

11-1

CCEEB acknowledges that much of the timing problem lies outside staff control given the accelerated implementation schedule set by the Legislature, as well as work that must be done by ARB to develop the on-road and off-road mobile inventories. However, the lack of technical background creates process concerns that will need to be addressed as new information becomes available. For example, in the Wilmington-Long Beach-Carson CERP, two of three refinery actions focus on flaring, yet no analysis has been done to show the degree to which flaring contributes to overall pollutant concentrations or that it even poses significant health risks. As such, it is difficult to evaluate whether these actions should be priorities as compared to other sources or actions, both refinery and non-refinery.

While high-level data has been presented to the CSCs, it has not been granular enough to indicate clear areas of focus. As such, identified concerns have been based on anecdotal experience and perceptions, without scientific validation. Moreover, a narrow focus in the plans on limited District authority omits a much needed discussion of how the SCAQMD, communities, and ARB can and should be partnering on strategies that tackle mobile source impacts, including diesel particulate matter. For example, while staff recognizes risks from on-road and off-road mobile sources under ARB authority, it has not yet specified the relative risk from different source types.

CCEEB recommends that the draft CERPs be revisited once technical data is available, and urges staff to provide scientific evidence validating community concerns and justifying recommended actions. CCEEB also recommends that the District and

community stakeholders engage ARB so that it is demonstrably responsible for community sources under its authority, as specified in the Health and Safety Code Section 44391.2(c)(6).

11-1  
Cont.

In addition to our main point about the technical analysis needed to support the CERPs, we offer these additional recommendations on other areas of the CERPs and CAMPs.

- SCAQMD air monitoring programs are robust and seem to be well aligned with the data collection needs of AB 617 communities.** CCEEB appreciates the tremendous amount of advance work that has been done to secure appropriate instrumentation and expertise, both in-house and through outside contractors. Moving forward, it will be important that the District work with all stakeholders to ensure that data collection, data interpretation, and communication of results will be clear, transparent, and understandable to public users. Context is key. CCEEB believes that the three Community Steering Committees and the AB 617 TAG can assist with this work and provide valuable insight to District staff. Additionally, the District will need to establish how different types of monitoring data can be used for different purposes, e.g., mobile monitoring such as FluxSense can be valuable as a screening tool, but most often more precise measurements are needed as a basis for regulatory actions.
- Effective program metrics are important, yet will be a challenge to develop, track and quantify.** CCEEB believes program success should be measured based on sound data directly related to emissions and exposure reductions, to the extent feasible, while recognizing that some actions will take time to achieve desired results. Thus, it is important for the District to establish realistic timeframes, working with community members to set expectations.
- Incentives and grants will play a major role in reducing emissions and exposures in AB 617 communities.** The CERPs should include a discussion of what funds have been allocated to date, how investments will achieve quantifiable results and community benefits, and what more needs to be done, particularly how groups can help support sustained funding efforts.

11-2

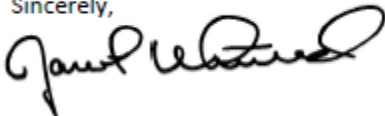
11-3

11-4

In closing, CCEEB wants to recognize the full spectrum of AB 617 activity at the District, much of which lies outside the community plans. This includes but is not limited to work to accelerate implementation of best available retrofit control technology (BARCT), the parallel process to sunset the Regional Clean Air Incentives Market, advocacy at the Legislature and with the Governor's Office to secure nearly \$700 million in incentive funding statewide for AB 617 communities, and substantial technical assistance to ARB and other agencies on issues such as emissions reporting, air monitoring, deployment of low-cost sensors, and development of scientifically sound community inventories based on monitoring and modeling data. While our comments here are specific to the first-year community draft plans, we want to express our appreciation for the totality of

SCAQMD work implementing AB 617 and for its leadership statewide in advancing effective solutions that reduce community exposures and air pollution burden. Across all these efforts, CCEEB commits to continuing our support of the District in its implementation of the landmark AB 617 legislation.

Sincerely,



Janet Whittick  
CCEEB Policy Director

cc: Ms. Karen Magliano, Director of the Office of Community Air Protection, ARB  
Ms. Frances Keeler, CCEEB Vice President and South Coast Air Project Manager  
Mr. Bill Quinn, CCEEB President  
Members of the CCEEB South Coast Air Project

#### Response to Comment Letter 11-1

Chapter 3b – Source Attribution Analysis for the ELABHWC CERP was released July 12, 2019. The analysis supports the need for the actions in the Draft Final CERP that address sources prioritized (e.g., neighborhood and freeway traffic from trucks and automobiles and metal processing facilities) by the CSC.

#### Response to Comment Letter 11-2

The South Coast AQMD staff will continue efforts to work with all stakeholders to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. The South Coast AQMD has launched its AB 617 Community Air Monitoring website and its Data Display tool featuring air quality data reporting from selected fixed community air monitoring stations. The primary goal of this tool is to share preliminary continuous monitoring data in near real time and finalized results of laboratory analyses and mobile platform survey monitoring.

South Coast AQMD staff presented initial results from air monitoring conducted for the AB 617 CAMPs at the CSC meeting held on August 22, 2019. Several actions in the CERP include a commitment from staff to continue to provide similar updates. For example, Action 1 of Chapter 5g, includes a commitment from South Coast AQMD staff to provide CSC members quarterly or biannual updates on efforts for air monitoring beginning the third quarter of 2020.

Response to Comment Letter 11-3

The Draft Final CERP includes emission reduction goals and a course of action (i.e., step by step measures) with an estimated timeline. For example, the Draft Final CERP includes a goal to truck idling. This overall emission reduction goal is supported by four different actions to reduce emissions from idling trucks. The actions include step by step measures to address truck emissions, timelines and an estimate of emission reductions that contribute to the overall emission reduction goals for the Draft Final CERP. The South Coast AQMD staff will update the CSC on emission reduction progress.

Response to Comment Letter 11-4

Approximately \$101 million were allocated to projects in the South Coast Air basin that were funded by AB 134, of which 89% were located in disadvantaged and low-income communities. Of the total allocation \$319,622 was awarded to emission reduction projects located in the East Los Angeles, Boyle Heights, West Commerce community. Also, \$21,925,447 was awarded to emission reduction projects located in the San Bernardino, Muscoy community and \$9,036,563 to the Wilmington, Carson, West Long Beach community. Clean off-road equipment and near-zero emission trucks are two examples of the kinds of projects that the allocation funded.

The emission reduction targets in Chapter 5a for mobile source incentives are based on mobile source projects that have historically been incentivized in the Year 1 communities. Based on this information the estimated emission reductions for mobile source incentive projects in the Year 1 communities are between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions. The CERPs include actions to work with other entities to identify new funding opportunities.

**ATTACHMENT D**  
**RESOLUTION NO. 19 \_\_\_\_\_**

**A Resolution of the Governing Board of the South Coast Air Quality Management District (South Coast AQMD) determining that the Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, West Commerce community (ELABHWC CERP) is exempt from the requirements of the California Environmental Quality Act (CEQA).**

**A Resolution of the South Coast AQMD Governing Board Adopting the Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, West Commerce community.**

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the ELABHWC CERP is considered a “project” pursuant to CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and

**WHEREAS**, the South Coast AQMD has had its regulatory program certified pursuant to Public Resources Code Section 21080.5 and CEQA Guidelines Section 15251(l), and has conducted a CEQA review and analysis of the proposed project pursuant to such program (South Coast AQMD Rule 110); and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines after conducting a review of the proposed project in accordance with CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA, and CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA, that the proposed project is determined to be exempt from CEQA; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because the proposed project is designed to further protect or enhance the environment; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project may result in some minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies; and

**WHEREAS**, the South Coast AQMD Governing Board has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions; and

**WHEREAS**, the South Coast AQMD staff has prepared a Notice of Exemption for the proposed project that is completed in compliance with CEQA Guidelines Section 15062 – Notice of Exemption; and

**WHEREAS**, the ELABHWC CERP, and other supporting documentation, were presented to the South Coast AQMD Governing Board and the South Coast AQMD Governing Board has reviewed and considered this information, as well as has taken and considered staff testimony and public comment prior to approving the project; and

**WHEREAS**, Assembly Bill (AB) 617 directs the California Air Resources Board (CARB) to select locations around the state for preparation of



community emissions reduction programs; and

**WHEREAS**, in 2018, the South Coast AQMD Governing Board recommended communities to CARB for the AB 617 program; and

**WHEREAS**, in 2018, CARB selected the community of East Los Angeles, Boyle Heights, West Commerce as one of the communities for which a Community Emissions Reduction Plan shall be prepared; and

**WHEREAS**, the AB 617 statute specifies that the air district must adopt the Community Emissions Reduction Plan within one year of the state board's selection of the community; and

**WHEREAS**, the ELABHWC CERP is a planning document designed to assist future regulatory programs and rule development efforts, and to reduce emissions of and exposure to air toxics and other pollutants; and

**WHEREAS**, the ELABHWC CERP is required by AB 617 and it builds upon existing criteria pollutant and air toxic programs, with greater emphasis on cumulative and localized impacts, and

**WHEREAS**, although the results of MATES IV show regional reductions in health risk from exposure to toxic air contaminants, some communities such as East Los Angeles, Boyle Heights, West Commerce are disproportionately impacted by air toxics, and other environmental pollution, as well as social and economic burdens; and

**WHEREAS**, the East Los Angeles, Boyle Heights, West Commerce Community Steering Committee has worked with staff to develop the Community Emissions Reduction Plan to reflect the community's air quality priorities and strategies to address these priorities; and

**WHEREAS**, the Community Emissions Reduction Plan aims to reduce air toxics and other pollutants in the East Los Angeles, Boyle Heights, West Commerce community.

**NOW, THEREFORE BE IT RESOLVED**, that the South Coast AQMD Governing Board does hereby determine, pursuant to the authority granted by law, that the ELABHWC CERP is exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the ELABHWC CERP contains action items which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. The proposed project contains action items that are also categorically exempt from CEQA pursuant to, CEQA Guidelines

Section 15303 – New Construction or Conversion of Small Structures, CEQA Guidelines Section 15306 – Information Collection, CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, CEQA Guidelines Section 15309 – Inspections, and CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. No exceptions to the application of the categorical exemptions set forth in CEQA Guidelines Section 15300.2 – Exceptions, apply to the proposed project. This information was presented to the South Coast AQMD Governing Board, whose members reviewed, considered and approved the information therein prior to acting on the proposed project; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing finds that the ELABHWC CERP meets the requirements of AB 617 and will advance the mission of cleaning the air at a community scale in the East Los Angeles, Boyle Heights, West Commerce community and will provide emission reduction co-benefits toward achieving state and national air quality standards; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board does hereby approve the ELABHWC CERP; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board directs staff to periodically report to the Stationary Source Committee on the implementation of the ELABHWC CERP, including updates on the actions within the plan and the emissions reductions achieved; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board authorizes staff to make any necessary, non-substantive edits which do not have any material impact on the environment to the ELABHWC CERP prior to submission to CARB for approval; and

**BE IT RESOLVED**, that the South Coast AQMD Governing Board adopts the ELABHWC CERP, dated September 2019.

DATE: \_\_\_\_\_

\_\_\_\_\_  
Denise Garzaro, Clerk of the Boards

## NOTICE OF EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

---

**To:** County Clerks  
Counties of Los Angeles, Orange,  
Riverside, and San Bernardino

**From:** South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

---

**Project Title:** Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, and West Commerce Community per Assembly Bill 617

---

**Project Location:** The project is located at the following community within the South Coast Air Quality Management District (South Coast AQMD) jurisdiction: the unincorporated area of East Los Angeles within the County of Los Angeles, the Boyle Heights neighborhood of the City of Los Angeles, and the neighborhood of West Commerce within the City of Commerce referred to herein as East Los Angeles, Boyle Heights, and West Commerce (ELABHWC) in Los Angeles County.

---

**Description of Nature, Purpose, and Beneficiaries of Project:** In accordance with Assembly Bill (AB) 617, which was signed into state law in 2017, and the California Air Resources Board's (CARB) Community Air Protection Program which implements AB 617, the South Coast AQMD is required to take specific actions to reduce air pollution and toxic air contaminants from commercial and industrial sources to address the disproportionate impacts of air pollution in environmental justice communities. Implementation of the specific actions is expected to occur over several years, and AB 617 specifies that the highest priority areas shall be disadvantaged communities with a high cumulative exposure burden for criteria pollutants and toxic air contaminants. After conducting extensive public outreach and data analysis, South Coast AQMD staff identified ELABHWC as one of three communities qualifying as a high priority area for implementation where the first efforts to implement community monitoring and emission reduction plans pursuant to AB 617 will occur. The purpose of this project is to implement a Community Emissions Reduction Plan (CERP) for the ELABHWC community per AB 617. The beneficiary of the project is the identified community and the nearby areas, but the entire region within South Coast AQMD's jurisdiction will also benefit. The CERP contains the following action items which have been tailored for the ELABHWC community's identified air quality concerns as they relate to:

Truck and Automobile Traffic (including trucks from railyards and warehouses): 1) conduct idling enforcement sweeps with CARB; 2) partner with the City of the Los Angeles, the County of Los Angeles, and the City of Commerce on land use planning issues and restrictive truck routes; 3) collaborate with the appropriate agency on restrictive truck routes and improvements to complaint and response systems; 4) expand truck traffic outreach efforts (e.g., fairs and workshops) to distribute incentive information to equipment owners; and 5) partner with CARB to identify older trucks in community as targets for incentives.

Rail: 1) continue the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail; 2) support CARB's petition to the U.S. EPA for new national locomotive emission standards; and 3) incentivize the replacement of older diesel equipment (e.g., locomotives).

Metal Processing: 1) conduct outreach and educating workers and small businesses on best management practices and South Coast AQMD rules applicable to metal processing facilities; 2) collaborate with the City of Los Angeles on permit cross-checks for metal finishing facilities; 3) conduct No Fault inspections and outreach to businesses on best management practices at metal processing facilities; and 4) conduct mobile monitoring at metal processing facilities to determine where stationary monitoring or where enforcement follow-up may be needed.

Rendering Facilities: 1) conduct outreach on existing rules and the 1-800-CUT-SMOG program for rendering facilities; and 2) conduct enforcement follow-up, where needed at rendering facilities.

Auto Body Shops: 1) conduct No Fault inspections and outreach to businesses on best management practices and available low Volatile Organic Compound (VOC) or zero-VOC coatings or solvents for use by auto body shops; and 2) collaborate with the City of Los Angeles on permit cross-checks for auto body shops.

Schools/Hospitals/Parks/Community Centers: 1) install school air filtration systems and providing training on proper filter use; 2) install residential air filtration systems and providing training on proper use; and 3) collaborate with the Los Angeles County Department of Public Health and AltaMed on air quality advisories and/or asthma related programs.

---

**Public Agency Approving Project:**  
South Coast Air Quality Management District

**Agency Carrying Out Project:**  
South Coast Air Quality Management District

**Exempt Status:**

CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption  
 CEQA Guidelines Section 15262 – Feasibility and Planning Studies  
 CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures  
 CEQA Guidelines Section 15306 – Information Collection  
 CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment  
 CEQA Guidelines Section 15309 – Inspections  
 CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies

**Reasons why project is exempt:** In accordance with the California Environmental Quality Act (CEQA), South Coast AQMD staff has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. Because the physical changes that may occur as a result of implementing portions of the proposed project would only require minimal construction activities and cause negligible physical impacts, South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that any physical actions that may be associated with the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, because the overall purpose of this project is to improve the environment of the ELABHWC community and nearby areas, and all of the action items within the ELABHWC CERP support this goal, the action items are also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The ELABHWC CERP contains an element that qualifies as a feasibility and planning study, because the collection of information is needed in order to make an informed decision about whether to take further action (e.g., future rule development). However, the portion of the ELABHWC CERP that qualifies as a feasibility and planning study does not prescribe or commit to specific details about the future actions that may occur, nor have the future actions been approved or adopted in advance, because they require an open public process. Specifically, after the portion that qualifies as a feasibility or planning study is completed, and if it results in a decision to go forward with future rule development, the regulated community, stakeholders, interested parties, and the public will be invited to participate in the rule development process in a public forum. For these reasons, the following action item for the ELABHWC CERP is statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies:

- Continuing the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail.

The following action items within the ELABHWC CERP involve minor physical modifications to existing structures or buildings which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures:

- Installing school air filtration systems; and
- Installing residential air filtration systems.

The following action items within the ELABHWC CERP involve information collection activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection:

- Collaborating with appropriate agency to identify potential restrictive truck routes and improvements to complaint and response systems;
- Partnering with CARB to identify older trucks in community as targets for incentives;
- Collaborating with the City of Los Angeles to gather information for permit cross-checks at metal finishing facilities;
- Conducting mobile monitoring at metal processing facilities to determine where stationary monitoring or where enforcement follow-up may be needed;

- Conducting No Fault inspections and outreach to businesses on best management practices and available low VOC or zero-VOC coatings or solvents at auto body shops;
- Collaborating with the City of Los Angeles to gather information for permit cross-checks for auto body shops; and
- Collaborating with Los Angeles County Department of Public Health and AltaMed to obtain and distribute information on air quality advisories and/or asthma related programs.

The following action items within the ELABHWC CERP involve inspection activities that check for performance or compliance are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections:

- Conducting idling enforcement sweeps with CARB;
- Conducting No Fault inspections and outreach to businesses on best management practices at metal processing facilities;
- Conducting mobile monitoring at metal processing facilities to determine where stationary monitoring or where enforcement follow-up may be needed;
- Conducting No Fault inspections and outreach to businesses on best management practices and available low VOC or zero-VOC coatings or solvents at auto body shops; and
- Collaborating with the City of Los Angeles on permit cross-checks for auto body shops.

The following action items within the ELABHWC CERP involve enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies:

- Conducting idling enforcement sweeps with CARB;
- Collaborating with the City of Los Angeles on permit cross-checks at metal finishing facilities;
- Conducting mobile monitoring at metal processing facilities to determine where stationary monitoring or where enforcement follow-up may be needed; and
- Collaborating with the City of Los Angeles on permit cross-checks for auto body shops all potentially involve enforcement of South Coast AQMD regulations or regulations by other agencies such as CARB.

Further, South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA.

---

**Date of Project Approval:**

South Coast AQMD Governing Board Hearing: September 6, 2019; South Coast AQMD Headquarters

<b>CEQA Contact Person:</b> Mr. Luke Eisenhardt	<b>Phone Number:</b> (909) 396-2324	<b>Email:</b> <a href="mailto:leisenhardt@aqmd.gov">leisenhardt@aqmd.gov</a>	<b>Fax:</b> (909) 396-3982
<b>AB617 Contact Person:</b> Ms. Diana Thai	<b>Phone Number:</b> (909) 396-3443	<b>Email:</b> <a href="mailto:dthai@aqmd.gov">dthai@aqmd.gov</a>	<b>Fax:</b> (909) 396-3879

---

**Date Received for Filing:** \_\_\_\_\_

**Signature:** \_\_\_\_\_




---

Barbara Radlein  
Program Supervisor, CEQA  
Planning, Rule Development, and Area Sources

# AB 617 Community Emissions Reduction Plan for East Los Angeles, Boyle Heights, West Commerce

---



GOVERNING BOARD MEETING

SEPTEMBER 6, 2019

# AB 617 Year 1 Communities

## September 2018, CARB designated:

- San Bernardino, Muscoy
- East Los Angeles, Boyle Heights, West Commerce
- Wilmington, Carson, West Long Beach

## Extensive Community Engagement:

- 3 Community Steering Committees (CSCs)
- 27 CSC meetings
- 60 + individual meetings
- 2 community bus tours
- 3 Technical Advisory Group meetings
- 6 community workshops

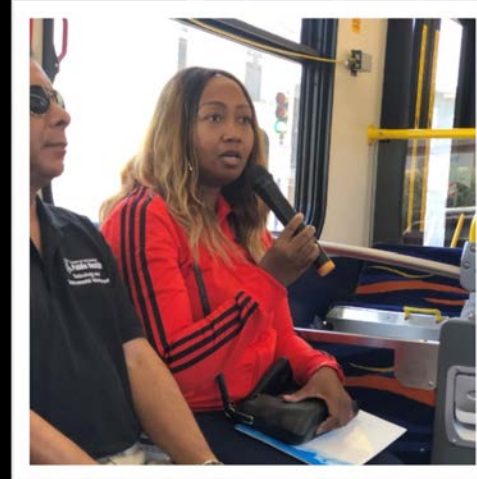




# Community Steering Committee



- ❖ Community cohosts
- ❖ Committee member presentations
- ❖ Community testimonials





# Community-Driven Efforts to Develop the CERPs

## CERP Development

AQ  
Priorities

Strategies,  
Metrics



Actions,  
Steps

## CERP Actions

- 49 actions (approx. 160 steps) across the 3 CERPs
- 28 are emission reduction actions
- Each action includes:
  - Suite of strategies
  - Steps
  - Timeline/milestones
  - Metrics to track progress
  - Collaborating entities

- Plans are flexible to adapt to new information

# New Efforts and Approaches in the CERPs



## Rules and Regulations

- 7 new South Coast AQMD rule efforts
- 8 regulations to be considered by CARB
- Increased engagement and ISR efforts (e.g. Working Group meetings in communities)



## Collaboration

- Community-led monitoring
- Agency collaborations on permit cross-checks, trucking regulations, public communication



## Enforcement

- Focus on areas identified by the communities
- Improved communication for complaint response



## Public Information and Outreach

- Small business outreach to increase compliance
- School-based programs



## Incentives

- Focused efforts to generate incentive proposals in these communities
- Use technology to identify older trucks for incentive programs (e.g. ALPR)



## Air Monitoring

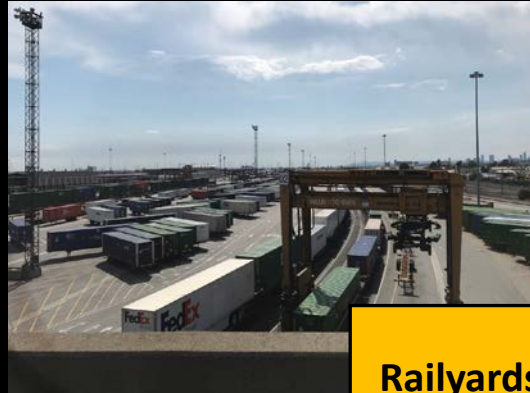
- Advanced monitoring technologies to provide new, purposeful data
- Data will inform compliance efforts and provide public information

# Air Quality Priorities

## East Los Angeles, Boyle Heights, West Commerce Community



**Neighborhood and Freeway Truck and Automobile Traffic**



**Railyards**



**Metal Processing Facilities**



**Rendering Facilities**



**Auto Body Shops**



**Schools, Childcare Centers, Community Centers, Libraries and Public Housing Projects**



**General Industrial Facilities, etc.**



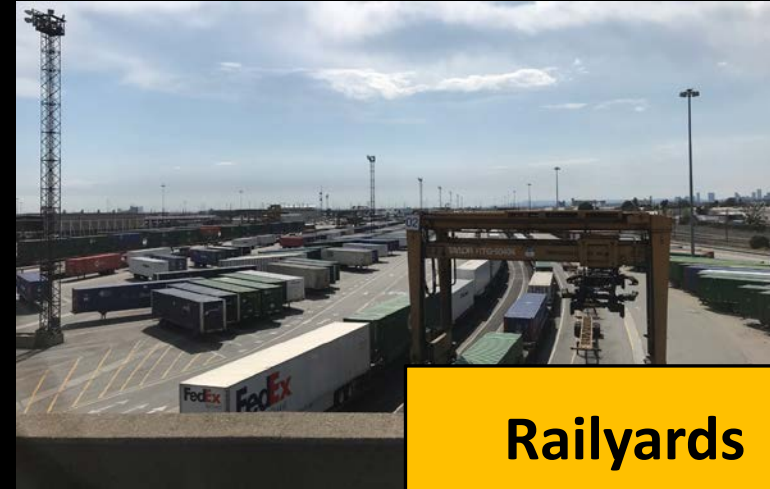
# Actions to Reduce Mobile Source Emissions

## East Los Angeles, Boyle Heights, West Commerce Community



**Neighborhood and Freeway Truck and Automobile Traffic**

- Truck idling sweeps & inspections
- Incentives & outreach for cleaner heavy-duty trucks
- Collaborate with cities and county on truck routes and enforcement
- Rule development: CARB Advanced Clean Car 2, Advanced Clean Truck, Heavy-Duty Low NOx, Heavy-Duty Vehicle Inspection & Maintenance



**Railyards**

- Work with CARB to develop new requirements to reduce railyard emissions
- Incentives for cleaner equipment
- Rule development: Railyard ISR



# Mobile Source Emission Reduction Targets

## East Los Angeles, Boyle Heights, West Commerce

Mobile Source Measure	Timeline	Regulatory Entity	Emission Reductions Targets (tpy) by 2029	
			NOx	DPM
Advanced Clean Car 2 Rule	2020-2021	CARB	2.6	<1
Heavy-Duty Vehicle Inspection and Maintenance Rule	2020	CARB	123	<1
Advanced Clean Trucks Rule	2019	CARB	8.1	<1
Heavy-Duty Low NOx Rule	2020	CARB	198	N/A
Mobile Source Incentives resulting from the CERP Actions	2020	South Coast AQMD	40-50	0.5-0.6

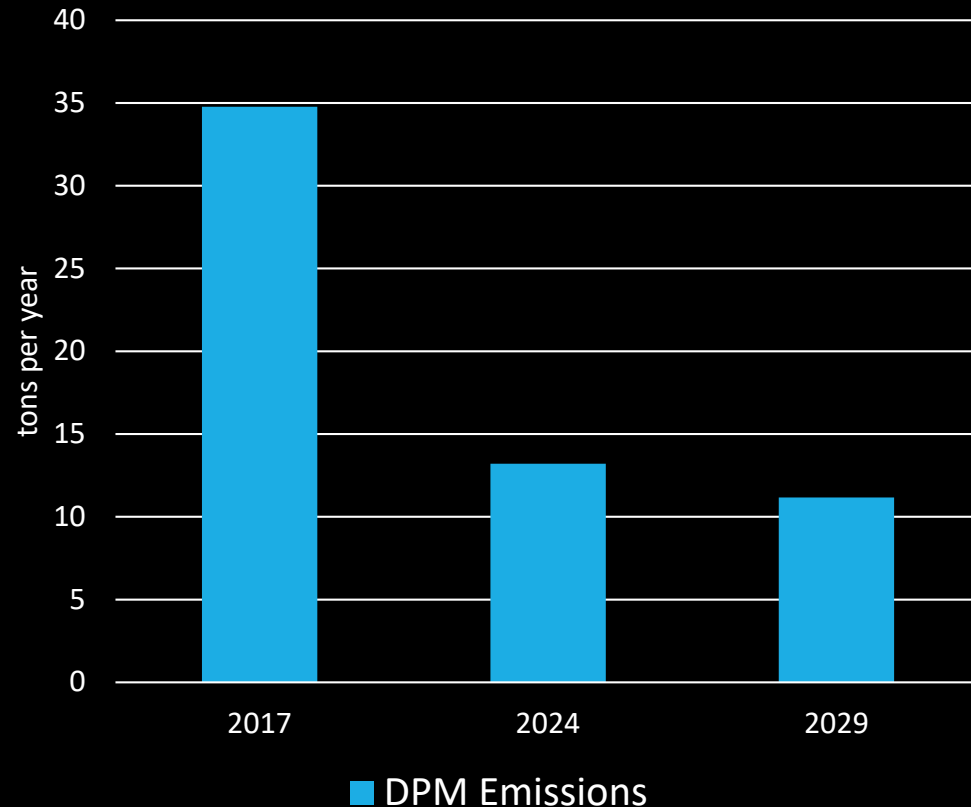
Timeline based on first CARB Board hearing dates for each measure or beginning of implementation for mobile source incentives

tpy = Tons per year

# Mobile Source Emission Reduction Targets

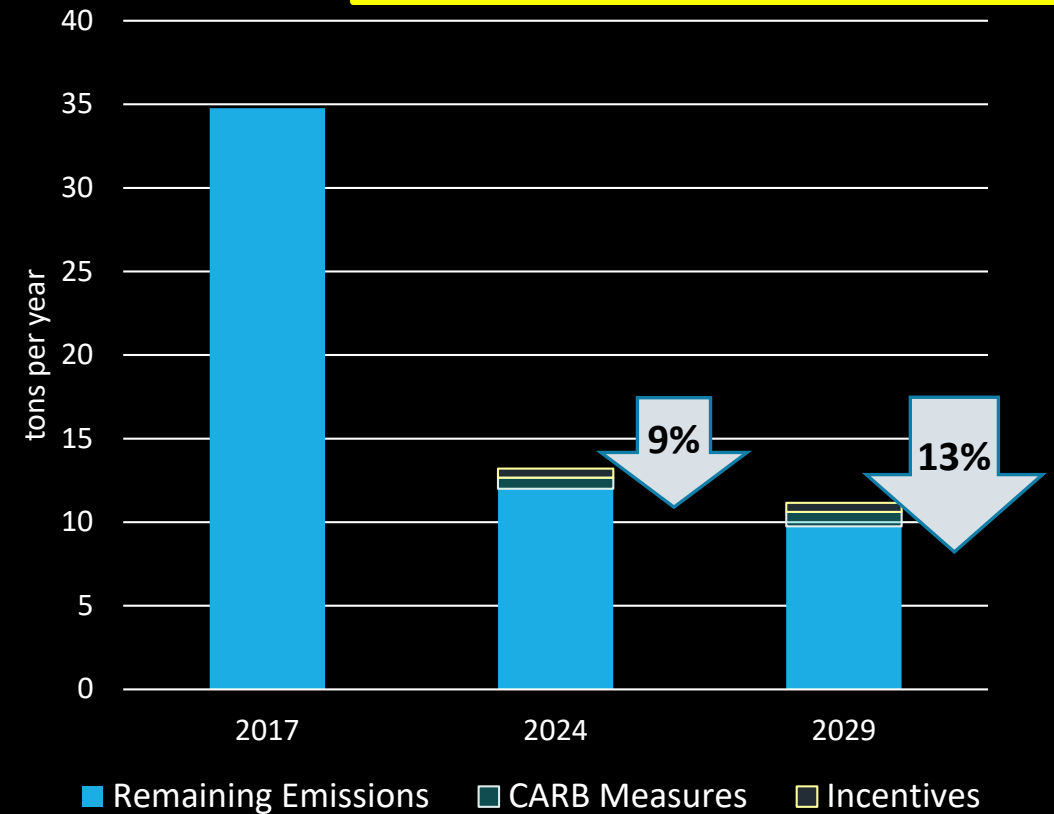
## East Los Angeles, Boyle Heights, West Commerce

BASELINE DPM EMISSIONS



WITH CERP (SOUTH COAST AQMD AND CARB ACTIONS)

**CERP Reductions in 2024 and 2029:**



# Actions to Reduce Stationary Source Emissions

## East Los Angeles, Boyle Heights, West Commerce Community



**Metal Processing  
Facilities**



**Rendering  
Facilities**



**Auto Body  
Shops**



**General Industrial  
Facilities, etc.**

- Mobile air measurements, follow-up inspections
- Outreach and training for local business owners

- Mobile air measurements, follow-up inspections
- Community training on air quality complaints

- Small Business Assistance Program outreach
- Work with fire departments to inspect auto body shops
- Mobile air measurements, follow-up inspections

- Community training on air quality complaints
- Collaborate with land use agencies on permit cross-checks and enhanced permit requirements



# Actions to Reduce Exposure and Provide Public Information

## East Los Angeles, Boyle Heights, West Commerce



**Schools, Childcare Centers,  
Community Centers, Libraries  
and Public Housing Projects**

### Public Outreach and Community Organization Collaboration

- Asthma management programs
- School-based programs
- Improve health messaging and conduct outreach

### Reduce exposure to air pollutants

- Air filtration systems



**General Industrial  
Facilities, etc.**

### Improve FIND tool

- Improve public access to facility information
- Provide community training

## Metrics to Track Progress

- Outreach events completed
  - Participation & feedback
- Air filtration systems implemented





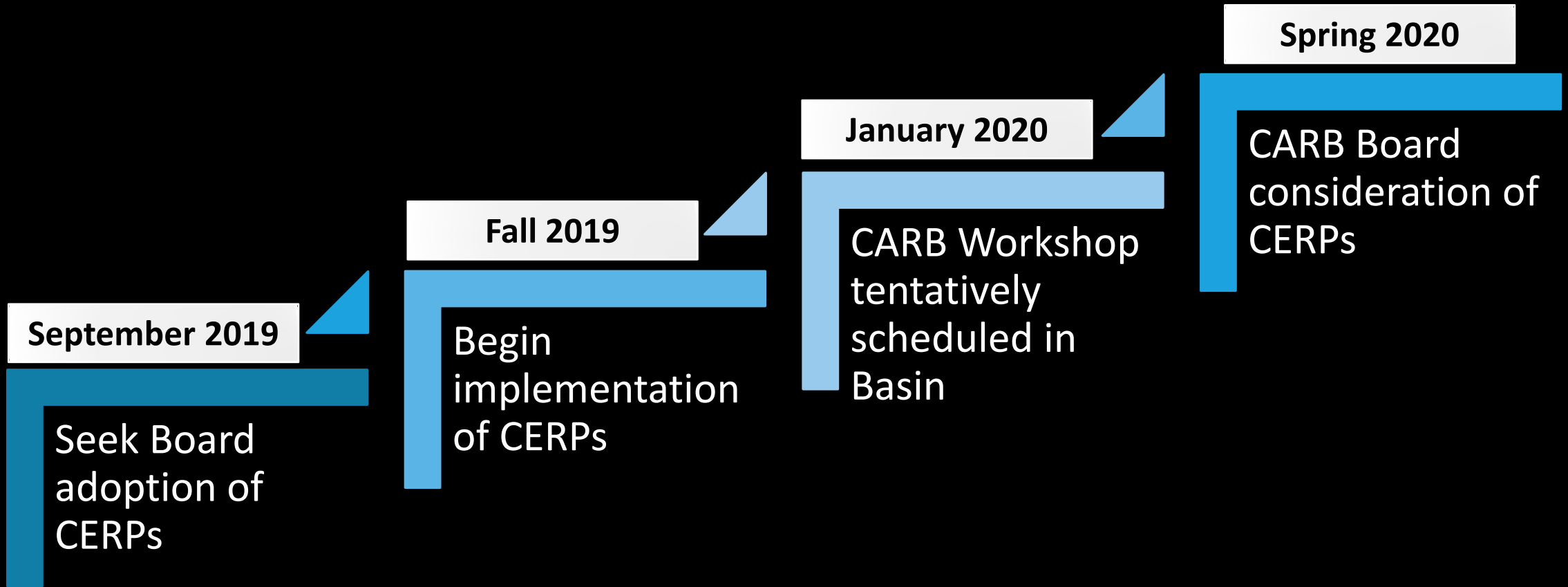
# Comments Received

---

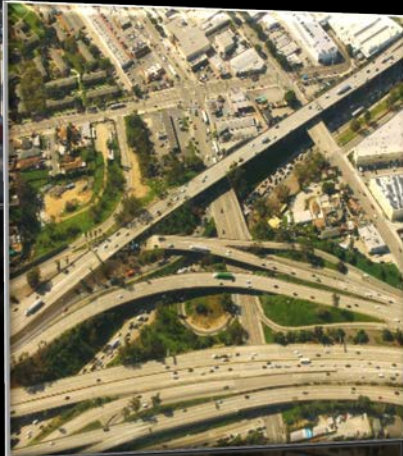
Comment	Status
Targets and Baseline	<ul style="list-style-type: none"><li>• Staff included baseline emissions in the CERP (Chapter 3b)</li><li>• Staff quantified emission reduction targets based on CERP actions (Chapter 5a)</li><li>• Although not easily quantified, CERP actions reduce fugitive emissions, and progress will be tracked</li></ul>
Health Study	<ul style="list-style-type: none"><li>• CERP focuses on emission reductions, which will provide benefits to public health</li><li>• To address desire for additional health improvements, there are additional actions toward improving public health, e.g. asthma management programs</li><li>• Community health study is costly and may not show the long term health benefits associated with the emission reductions in the CERP</li><li>• Health studies are outside scope and resources of CERP process</li></ul>

# Next Steps for East Los Angeles, Boyle Heights, West Commerce – Community Emissions Reduction Plans (CERP)

---



# Staff Recommendations



- Determine that the Community Emissions Reduction Plan for the East Los Angeles, Boyle Heights, West Commerce community is exempt from CEQA
- Adopt the Community Emissions Reduction Plan for East Los Angeles, Boyle Heights, West Commerce

BOARD MEETING DATE: September 6, 2019

AGENDA NO. 25C

**PROPOSAL:** Determine That Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach Community Is Exempt from CEQA and Adopt Community Emissions Reduction Plan Per Assembly Bill 617

**SYNOPSIS:** Assembly Bill (AB) 617 requires air districts to prepare Community Emissions Reduction Plans (CERPs) for the Year 1 communities selected by CARB. The CERPs provide a blueprint for achieving air pollution emission and exposure reductions within each community, and are tailored to address the community's air quality priorities. The CERPs include actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, and a description of the process and outreach conducted to develop the CERP. Community partnership and engagement have been critical throughout the development of the CERPs.

**COMMITTEE:** Stationary Source, July 26, 2019, Reviewed

**RECOMMENDED ACTIONS:**

1. Determine that Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach is exempt from the requirements of the California Environmental Quality Act; and
2. Adopt the AB 617 Community Emissions Reduction Plan for the Wilmington, Carson, West Long Beach community.

Wayne Natri  
Executive Officer

## Background

California law known as Assembly Bill (AB) 617 established new requirements for improving air quality in California communities heavily impacted by air pollution. AB 617 requires a statewide strategy with focused actions for communities heavily impacted by air pollution. These actions include developing community air monitoring plans (CAMPs) and community emissions reduction plans (CERPs) to reduce emissions of toxic air contaminants and criteria pollutants.

In 2018, CARB approved the Community Air Protection Blueprint (Blueprint) to guide the development (e.g., public process), content, and implementation of CAMPs and CERPs. An overview of the process to develop these documents as described in the CARB Blueprint is provided in Figure 1 – Overview of Community Emissions Reduction Program Process.

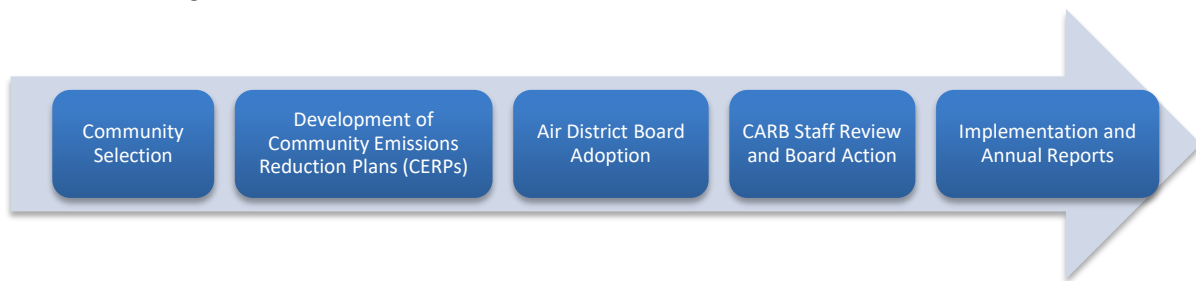


Figure 1: Overview of Community Emissions Reduction Program Process

On September 27, 2018 CARB designated three Year 1 communities within the South Coast AQMD for preparation of a CAMP and CERP for each community. The three communities designated by CARB were: 1) Wilmington, Carson, West Long Beach; 2) San Bernardino, Muscoy; and 3) East Los Angeles, Boyle Heights, West Commerce. The AB 617 statute directs air districts to adopt CERPs within one year of the CARB designation.

## Public Process

*Community Steering Committees, Technical Advisory Group, and Public Outreach*  
Beginning October 2018, staff implemented a community-focused process to develop draft CERPs that focused on the air quality priorities for each Year 1 community. The cornerstone of this process was the formation of a Community Steering Committee (CSC) for each community. The Wilmington, Carson, West Long Beach CSC is made up of residents, community leaders, local businesses, labor unions, community organizations, agencies, schools, universities, hospitals, and elected officials. The CSC provided input and guidance based on community expertise that was instrumental to developing the CERPs. CSC members also conducted their own community-level outreach to additional community members that were not available to attend meetings. Since October 2018, a total of nine CSC meetings were held in each of the three communities, and approximately 50 to 100 people attended each meeting. Most

meetings were held in the evenings or during school hours at the request of the CSC, and Spanish translation was provided to promote full participation and inclusion of the community.

In February 2019, the AB 617 Technical Advisory Group was established to provide a forum to discuss technical details related to source attribution, air monitoring and other technical analysis needed to develop the CAMPs and CERPs. Examples of topics discussed at Technical Advisory Group meetings are monitoring equipment, laboratory capabilities, and methodologies for developing emissions inventories. The Technical Advisory Group met in February, May, and July 2019.

In addition to the CSC and Technical Advisory Group meetings, staff held community workshops, and individual meetings with residents, community leaders, stakeholders, and public officials to enhance community participation and input in the development of the CERPs. South Coast AQMD staff also created a community webpage to post updates and information about the development of the CAMPs and CERPs.

### **Proposal**

Staff is recommending adoption of the CERP for the Wilmington, Carson, West Long Beach community. The CERP includes actions to address the highest priority air quality issues that the CSC identified based on pollution sources impacting their community which included refineries, marine ports, neighborhood truck traffic, oil drilling and production wells, and railyards. Another air quality priority the CSC identified was reducing exposure where sensitive populations spend time such as schools, childcare centers, hospitals, etc.

The actions in the CERP are designed to address these high priority air quality issues in the community and include a variety of strategies such as advanced air monitoring techniques to detect and address VOC leaks from refineries, reducing leaks from oil tankers using optical gas imaging technology, reducing truck idling through focused enforcement, monitoring oil wells and conducting follow-up investigations, replacing older diesel-fueled equipment with cleaner technologies at railyards, and increasing use of high efficiency air filtration systems at schools to reduce children's exposure to harmful air pollutants. Within each action, there are a set of strategies with goals and timelines to reduce emissions and/or exposure, and identification of the entities that will help implement each strategy such as the South Coast AQMD, CARB, other agencies, organizations, or businesses.

### **Key Issues**

#### *Emission Reduction Targets*

The CERP includes actions and a set of strategies to address the air quality concerns prioritized by the CSC. Some CSC members indicated that the CERP lacked quantifiable emission reduction targets and metrics, and strongly emphasized the importance of including metrics for emission reductions that can be quantified. The

CERP includes emission reduction targets and goals. Staff estimated emission reduction targets resulting from mobile source incentive projects to be 40 to 50 tons per year (tpy) of NO<sub>x</sub> and 0.5 to 0.6 tpy of diesel PM based on historical data of past projects which replaced older equipment with cleaner models. The CERP has a target of 50% reduction of NO<sub>x</sub>, SO<sub>x</sub>, and VOCs and other associated toxics emissions from refineries in this community by the year 2030. Additionally, CARB has committed to consider amendments to their rules and regulations to address the air quality priorities in Wilmington, Carson, West Long Beach community. The future amendments to rules and regulations are projected to bring further emissions reductions in the community. CARB's proposed statewide measures to address mobile source emission reductions that are related to this community's air quality priorities are expected to reduce diesel PM and NO<sub>x</sub> by approximately 20 tpy and 1,677 tpy, respectively, by the year 2029.<sup>1</sup> The combined mobile source emission reduction targets from CARB regulatory efforts and South Coast AQMD incentive projects represent a 35% additional reduction in NO<sub>x</sub> by 2029 and a 22% additional reduction in diesel PM by 2029, compared to baseline mobile source emissions.

The overall emission reduction targets for this community that can be quantified at this time are: 606 tpy NO<sub>x</sub> (7% reduction), 20.6 tpy VOCs (<1% reduction), and 9 tpy diesel PM (10% reduction) by 2024. By 2030, emission reduction targets are: 3,207 tpy NO<sub>x</sub> (35% reduction), 11 tpy SO<sub>x</sub> (<1% reduction), 64 tpy VOCs (<1%), and 20 tpy diesel PM (22% reduction).<sup>2</sup> Additional reductions in VOC emissions from refineries have yet to be quantified, although the CERP describes a method to establish that baseline and then reduce the emissions by 50%.

Other emission reductions outlined in the CERP may be achieved through rule development and focused enforcement efforts. Other actions that are expected to result in emission reductions, but cannot be quantified at this time are fugitive emissions from oil drilling and production wells or VOC leaks from oil tankers.

### *Health Metrics and Outcomes*

Some CSC members have requested the use of health metrics and outcomes as a tool to measure success under the AB 617 program. Although it is not currently feasible to use health metrics and outcomes as tools for measuring the success of the CERP, health data has been a critical part of this process. South Coast AQMD used health data in the prioritization of communities for the implementation of community plans. Health data

---

<sup>1</sup> Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029. Due to the complexity of the efforts, the emission reductions discussed below target a 2030 completion date. While the baseline emissions were not calculated for 2030, the emissions are expected to be similar to the 2029 estimates (details presented in Appendix 3b).

<sup>2</sup> These percentages were calculated based on the 2029 emissions baseline. The NO<sub>x</sub> emission reduction targets are based on maximum NO<sub>x</sub> emissions reductions that may be reduced from Action 5 in Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Rule 1109.1 – Refinery Equipment.

also informed various policy decisions, including CARB's decision to focus on toxic air contaminants and PM2.5. As actions and strategies are implemented in the CERP, staff will assess the emission reductions to understand the overall air quality and health benefits to the community.

CARB's Blueprint requires clear metrics for tracking progress and measuring success of the CERP. Staff believes that a health metric will not provide a direct measurement of the success of the AB 617 program as there are many factors which contribute to health outcomes and cumulative public health burdens. In addition, it is difficult to quantify which health benefits are attributed to implementation of a specific action or strategy in the CERP. Consistent with CARB's Blueprint<sup>3</sup>, the CERP includes a series of specific metrics to directly measure implementation of the strategies for each of the actions. Key metrics include emission reduction goals for refinery emissions within the community, reduction of flaring, commitments for air measurements, and rule development to address fugitive VOC emissions. Other metrics to monitor implementation of the CERP will also be tracked such as the dollar amount invested in incentives, the number of various types of actions such as air filtration projects, implementation air quality education programs at schools, outreach efforts, enforcement actions taken, and public meetings. These metrics are more appropriate to measure the progress and success of implementing the CERP because they focus on items that are quantifiable and specifically tied to CERP actions and strategies.

CARB has commented that there are *other* ways that health data would be incorporated into the program and "Reducing emissions and improving air quality in overburdened communities will lessen the cumulative impacts that air pollution has on public health." (See CARB Summary of Comments – Community Air Protection Program, <https://ww2.arb.ca.gov/summary-comments-community-air-protection-program>). The CERP will have positive impacts on public health, for example, by reducing emissions of diesel particulate matter, which is the primary contributor to air toxics cancer risk in the community. In addition, to bring further public health benefits to the community, the CERP includes actions to partner with local health organizations for direct public health interventions, such as asthma management programs. Similarly, the CERP includes actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program. The CERP also includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to schools, childcare centers, and at community events, and will be tracked.

### *Buffer Zone Near Oil and Gas Wells*

---

<sup>3</sup> Community Air Protection Blueprint, Appendix C, p. C33-C35.



CSC members have requested that the South Coast AQMD explicitly support the development of a 2,500 foot buffer zone for oil drilling operations under consideration at the City of Los Angeles. Accordingly, the City of Los Angeles Office of Petroleum and Natural Gas Administration & Safety recently prepared a report<sup>4</sup> with a recommendation to the Los Angeles City Council to outline the feasibility of a physical setback distance of 600 feet from sensitive receptors on existing oil and gas wells, associated production facilities, and drill sites. The report also recommends to outline the feasibility of a 1,500 foot setback from sensitive receptors on future oil and gas development. The report recognized that a setback distance is not an absolute measure of health protection and additional engineering and operational controls can add further layers of protection for the community.

The CERP includes an action that is based on engineering and operational controls that focuses on oil drilling and production that can complement land-use related efforts that the City of Los Angeles or other local jurisdictions implement. These control strategies are designed to improve early leak detection, reduce fugitive emissions from leaking wells, use of advanced air measurement technologies to screen wells, and follow-up investigation and enforcement activities to ensure leaks are fixed. This action includes rule development for Rule 1148 series and Rule 1173 to reduce VOC emissions and improve reporting. The South Coast AQMD staff will monitor the City of Los Angeles' efforts on this issue.

### **California Environmental Quality Act (CEQA)**

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the CERP, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. The proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because it is designed to protect or enhance the environment. Further, the CERP contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. Additionally, the CERP may result in some minor physical modifications to existing structures or buildings, such as installing air filters or

---

<sup>4</sup> City of Los Angeles, 2019. "Council File No 17-0447 – Feasibility of Amending Current City Land Use Codes in Connection With Health Impacts at Oil and Gas Wells and Drill Sites." July 29, 2019.

monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures. The CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. The CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA. A Notice of Exemption has been prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

### **Implementation Plan/Schedule**

Implementation of the Wilmington, Carson, West Long Beach CERP is anticipated to begin in the third quarter 2019. CARB staff will begin reviewing and evaluating this CERP as soon as the third quarter 2019 and is expected to hold at least one public workshop in the South Coast AQMD prior to the CARB Board's consideration of each of the CERPs. CARB has scheduled a public hearing to approve the CERPs on March 16, 2020. The implementation of this CERP is to take place over approximately five years.

### **Benefits to South Coast AQMD**

Implementation of the Wilmington, Carson, West Long Beach CERP will help advance our mission to reduce air pollution at a community scale, especially in the most impacted and disadvantaged communities within South Coast AQMD's jurisdiction. The Wilmington, Carson, West Long Beach CAMP and CERP will serve as statewide models for AB 617 Year 2 implementation and beyond. Additionally, emissions reductions achieved through implementation of this CERP will provide emission reduction co-benefits toward achieving state and national air quality standards.

### **Resource Impacts**

South Coast AQMD received \$10.8 million for the initial implementation of AB 617 and \$20 million for the first year of this program. Community Air Protection incentive funds will be used toward implementing associated incentive projects. In 2019, South Coast AQMD received \$85,570,000 in total grant funding through the Community Air Protection funds, which includes 6.25% administrative funds.

The anticipated resource needs for South Coast AQMD's ongoing implementation of AB 617 is \$30.7 million per year. This assumes that two to three new communities are added each year, and each community program lasts approximately five years with a maximum of 14 communities in the program simultaneously. There is no increase in the funding level for Year 2. Staff continues to work with the California state legislature to set aside sustained funding for AB 617 statewide. In June 2019, the Board approved an increase in toxics fees, which will help to provide resources for air toxics programs at South Coast AQMD, including but not limited to some AB 617 toxics-related efforts.

South Coast AQMD budget impacts for future years are dependent on the number of communities that are designated, and the amount of funding allocated by the legislature to support AB 617 implementation by the local air districts. Staff will be vigilant in monitoring all AB 617 related expenditures to ensure efficient use of resources and will use its experience and insights to plan and forecast future expenditures.

**Attachments**

- A. Infographic and Summary Table of the Wilmington, Carson, West Long Beach CERP
- B. Community Emissions Reduction Plan: Wilmington, Carson, West Long Beach
- C. Resolution
- D. Notice of Exemption
- E. Board Meeting Presentation



# AB 617 Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach

The Community Emissions Reduction Plan (CERP) reflects the community's air quality priorities and brings new improvements to air quality in the Wilmington, Carson, West Long Beach community.

## How much air pollution will this Plan reduce?

The CERP will reduce pollution from refineries as well as trucks and other mobile sources. Specifically, the CERP target reductions are:

	By 2024	By 2030
NOx	606 tpy (~7% reduction)	3207 tpy (~35% reduction)
Diesel PM	9 tpy (~10% reduction)	20 tpy (~22% reduction)

tpy = tons per year



Refinery emissions reduction goals (by 2030):

- 50% reduction in NOx, SOx and VOC emissions



The CERP will reduce air pollution in other ways that are not yet quantifiable. This includes actions to conduct truck idling enforcement and develop an Indirect Source Rule for Railyards. The CERP includes other actions that benefit the community, such as air filtration, school-based programs and community training. The CSC and staff will track progress on these actions, along with emission reductions.

Note: Emission reduction goals are subject to future assessments and regulatory analyses

## How will this Plan benefit the Wilmington, Carson, West Long Beach community?

### Incentive Funds

To accelerate replacement of old trucks, harbor craft, and equipment with technology that is cleaner than required.

### Focused Enforcement

To ensure rules are being followed, especially in the priority areas identified by the community.

### New Rule Development

To reduce emissions from refineries, oil wells, and mobile sources.

### Air Measurements

To identify, quantify, and address potential leaks from refineries and oil wells.

### School Programs

To reduce the indoor levels of air pollution that children are breathing at school.

# What actions are in this Plan?

## Refineries

- Develop rules to reduce emissions from flares, storage tanks, boilers, heaters, and other equipment
- Air measurements using advanced technology to find potential leaks
- Follow-up investigation and enforcement to ensure leaks are fixed
- Improve flare notifications



## Neighborhood Truck Traffic

- Idling truck sweeps and truck enforcement in priority areas
- Work with cities to establish truck routes
- Incentive funds for cleaner trucks
- Outreach to truck owners on regulations and incentives
- Develop Ports Facility-Based Mobile Source Measure, Drayage Truck Rule, Advanced Clean Truck Rule, and Heavy-Duty Low NOx Rule

## Ports

- Oil tanker surveillance, air measurements, and enforcement, where needed
- Develop At-Berth Rule, Rule 1142, Ports Facility-Based Mobile Source Measure
- Implement CAAP
- Incentives for cleaner ships, harbor craft, and cargo handling equipment



## Railyards

- Develop Indirect Source Rule for Railyards, Drayage Truck Rule, TRU Regulation, CHE Rule
- Work with CARB to consider new requirements on locomotives
- Work with railyards to replace diesel equipment with cleaner technologies
- Work with local utilities to encourage zero-emission infrastructure

## Oil Drilling & Production

- Screen all wells using advanced air measurement technology and collaboration with community organizations
- Follow-up investigation and enforcement to ensure leaks are fixed
- Develop rule requirements to reduce emissions and improve reporting
- Improve notifications and conduct community training



## Schools, Childcare Centers and Community Centers

- Clean Air Ranger Education (CARE) and Why Air Quality Matters (WHAM) programs at local schools
- Outreach to schools (partner with the LA County Public Health, LB Public Health)
- Asthma management programs
- Air filtration systems
- Increase green space and plant trees

More details provided in the CERP Chapter 5 on this webpage:  
[www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm](http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm)

THANK YOU!

The South Coast AQMD staff thank the Wilmington, Carson, West Long Beach community members for their tireless efforts in developing this CERP.



# AB 617 ACTIONS TO ADDRESS REFINERY, OIL + GAS SOURCES

Actions in the Community Emissions Reduction Plan (CERP) will reduce air pollution and bring benefits to the Wilmington, Carson, West Long Beach community above and beyond existing programs

## HOW THIS PLAN REDUCES REFINERY, OIL + GAS EMISSIONS AND IMPACTS

**Community Steering Committee**  
identified oil & gas sources among the top priorities



### Oil well emissions

- Advanced air measurement tools and partnership with community organizations to find potential leaks
- Follow-up investigation and enforcement to ensure leaks are fixed.
- New rule development for Rule 1148 series and Rule 1173



### Refinery emissions

- New rule development on PR1109.1, PAR1118, PAR1178 to reduce emissions from flares, storage tanks, boilers, heaters, and other equipment
- Advanced air measurement tools to identify potential leaks
- Follow-up investigation and enforcement to ensure leaks are fixed



### Community notification systems

- Work with the community and public health agencies to develop more user-friendly notifications
- Provide community training



### Oil tanker emissions

- New technologies and surveillance activities will help identify potential VOC leaks
- Use enforcement actions where needed

# METRICS AND TARGETS FOR REFINERY, OIL + GAS EMISSION REDUCTIONS

Refinery emissions: **50% emissions reduction goal** for NO<sub>x</sub>, SO<sub>x</sub> and VOCs from refinery equipment by 2030, or earlier. Includes a 50% reduction goal for flaring emissions.

Conduct air measurements at **all 5 refineries** and **all accessible active, idle, and abandoned oil wells** in the community. Conduct follow-up inspections and enforce requirements.

**Rules 1178, 1173, 1142, and 1148** series address fugitive VOC emissions. Initiate rule development in 2020 and 2021.

CERP progress on other actions (e.g. outreach, training, etc) will also be tracked to help measure the success of the program.

Note: Emission reduction goals are subject to future assessments and regulatory analyses

## TIMELINE FOR CERP ACTIONS ADDRESSING REFINERY, OIL + GAS AIR QUALITY PRIORITIES

**2019**

- Conduct **air measurements around refineries** to identify and address significant leaks impacting the community
- Begin **oil tanker leak surveillance**
- Continue work on **Proposed Rule 1109.1** to achieve NO<sub>x</sub> emissions from refineries

**2020**

- Initiate rulemaking for **Rule 1118, 1148 series, and 1173**
- Conduct **air measurements around oil wells**, based on community priorities
- Conduct **air monitoring and measurements around refineries**
- Develop **informational materials** for notifications

**2021**

- Initiate rulemaking for **Rule 1178 and 1142**
- Implement oil drilling & production **notification system improvements**
- Provide **community training** on flare and oil well notification systems
- Establish **2020 emissions baseline** for fugitive VOCs from refineries



**2022  
-  
2030**

- Continue rule development, implementation, and enforcement efforts

Throughout the process:

- **Collaborate** with community organizations, local agencies, and businesses
- Provide the Community Steering Committee with **periodic updates on progress and findings**

# Wilmington, Carson, West Long Beach AB 617 Community Emissions Reduction Plan - Actions

		CERP Action Summary			Strategies							Key Entities		
Air Quality Priority	Action	Reduce Exposure/ Provide	Other Public Benefit	Reduce Emissions & Exposure	Key Pollutant Type(s)	Regulations	Incentives	Enforcement	Public Info and Outreach	Air Monitoring	Collaboration	 South Coast AQMD	 CALIFORNIA AIR RESOURCES BOARD	Others
Refineries	<b>Action 1:</b> Improve Refinery Flaring Notifications	●							●		●	●		LA County Public Health, LB Public Health, CSC
Refineries	<b>Action 2:</b> Conduct Refinery Air Measurements to Identify and Address VOC Leaks (including establishing a 2020 emissions baseline for fugitive VOCs)			●	VOC			●		●		●		Refineries and related facilities
Refineries	<b>Action 3:</b> Initiate Rule Development to Amend Rule 1118 – Control of Emissions from Refinery Flares			●	NOx, SOx, VOC	●						●		Refineries and related facilities, CSC
Refineries	<b>Action 4:</b> Initiate Rule Development to Amend Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities			●	VOC	●		●		●		●		Refineries and related facilities, CSC
Refineries	<b>Action 5:</b> Achieve Further NOx Emission Reductions from Refinery Equipment Through Adoption of Rule 1109.1 – Refinery Equipment (e.g. BARCT)			●	NOx	●						●		Refineries and related facilities, CSC
Ports	<b>Action 1:</b> Reduce Leaks from Oil Tankers			●	VOC			●		●	●	●	●	Tenants of the Ports
Ports	<b>Action 2:</b> Reduce Emissions from Ships and Harbor Craft			●	Diesel PM	●	●		●			●	●	Ports
Ports	<b>Action 3:</b> Reduce Emissions from Port Equipment (Cargo-Handling Equipment) and Drayage Trucks			●	Diesel PM	●	●	●			●	●	●	Ports
Neighborhood Truck Traffic	<b>Action 1:</b> Reduce Truck Idling (e.g. enforcement, idling sweeps)			●	Diesel PM			●	●		●	●	●	CSC
Neighborhood Truck Traffic	<b>Action 2:</b> Reduce Emissions from Heavy-Duty Trucks (e.g. incentives, truck routes, FBMSM, CARB rule development)			●	Diesel PM	●	●	●	●		●	●	●	Cities of LA, LB, and Carson, CSC
Oil Drilling and Production	<b>Action 1:</b> Reduce Air Pollution Leaks from Oil Wells and Associated Activity at these Facilities (e.g. mobile air measurements, inspections)			●	VOC			●		●	●	●		CSC, City of LA, DOGGR, CBOs, Oil and Gas Well Operators
Oil Drilling and Production	<b>Action 2:</b> Improved Public Information and Notifications on Activities at Oil Drilling and Production Sites	●							●		●	●		Public Health Departments
Oil Drilling and Production	<b>Action 3:</b> Evaluate Feasibility to Amend Rule 1148 Series and Rule 1173 to Reduce Emissions and Require Additional Reporting			●	VOC, Diesel PM	●						●		CSC
Railyards	<b>Action 1:</b> Reduce Emissions from Railyards (e.g. development of ISR, CARB regulations, incentive projects, and work with utilities on ZE infrastructure)			●	Diesel PM	●	●			●	●	●	●	CSC, BNSF Watson and UP Intermodal Container Transfer Facility (ICTF)/Dolores
Schools, Childcare Centers, and Homes	<b>Action 1:</b> Reduce Exposure to Harmful Air Pollutants through Public Outreach to Schools and Childcare Centers (e.g. school programs, asthma programs)	●							●		●	●		LA County Public Health, LB Public Health, CBOs
Schools, Childcare Centers, and Homes	<b>Action 2:</b> Reduce Exposure to Harmful Air Pollutants at Schools (e.g. air filtration programs)	●										●		School Districts
Schools, Childcare Centers, and Homes	<b>Action 3:</b> Reduce Exposure to Harmful Air Pollutants at Homes	●					●		●			●		Homeowners
Schools, Childcare Centers, and Homes	<b>Action 4:</b> Increase Green Space in Areas Where People Spend Time	●							●			●		CSC
NOTE: Reductions in NOx and DPM will subsequently reduce PM2.5 levels both regionally and in the community.														

NOTE: Reductions in NOx and DPM will subsequently reduce PM2.5 levels both regionally and in the community.



**SUMMARY OF CHANGES TO AB 617  
COMMUNITY EMISSIONS REDUCTION PLANS (CERPS) BASED ON COMMENTS RECEIVED**

**Wilmington, Carson, West Long Beach CERP**

- New Additions to CERP
  - Executive Summary
    - Added summary of response to comments
  - Chapter 5b: Refineries
    - Added goal to achieve 50% reduction in NOx, SOx, and VOCs from refineries
    - Action 2, added development of quantification method for VOC emissions baseline
    - Action 3, added quantification of emission reductions for amendment to Rule 1118
    - Action 5, added new action to reduce emissions through Rule 1109.1 - Refinery Equipment
  - Appendix 3a: Community Profile
    - Added list of RECLAIM and AB 2588 facilities
  - Appendix 4: Enforcement Plan
    - Added status of enforcement actions
  - Appendix 5b: Refineries
    - Added list of boilers/heaters, criteria air pollutants, and toxic air contaminants by refinery
  - Appendix: Response to Comments
    - Added response to comments
- Revisions to CERP
  - Chapter 5a: Introduction
    - Revised emission reduction targets based on CARB measures and refinery actions (NOx: 3,027 tpy, SOx: 11 tpy, VOCs: 64 tpy, DPM: 20 tpy)

ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES



# COMMUNITY EMISSIONS REDUCTION PLAN



WILMINGTON, CARSON,  
WEST LONG BEACH

DRAFT FINAL



SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



THIS PAGE IS INTENTIONALLY LEFT BLANK

# Table of Contents

## Executive Summary

Executive Summary _____	ES-1
The Reader's Guide to the Community Emissions Reduction Plan (CERP) _____	ES-2
Summary of Response to Comments _____	ES-3

## Chapter 1: Introduction

Introduction _____	1-1
Purpose of the CERP _____	1-1
CERP Development Process and Emphasis on Community Input _____	1-2
About this Community _____	1-2

## Chapter 2: Community Outreach, Community Steering Committee, and Public Process

Introduction _____	2-1
Community Liaisons _____	2-1
Community Kick-Off Meetings _____	2-2
Community Steering Committee (CSC) _____	2-3
CSC Roster _____	2-3
CSC Meeting Schedule _____	2-5
CSC Charter _____	2-6
Meeting Facilitator _____	2-6
Social Media Report _____	2-6
Community Webpage _____	2-7
Community Bus Tour and Committee Presenters _____	2-8
Technical Advisory Group _____	2-10
Additional Community Engagement _____	2-12

## Chapter 3a: The Community Profile

Introduction _____	3a-1
Community Boundary, Air Quality Concerns, and Air Quality Priorities _____	3a-1
Community Air Pollution Profile and Related Data _____	3a-9

## Chapter 3b: Emissions Inventory and Source Attribution

Introduction	3b-1
Base Year Emissions Inventory and Source Attribution	3b-3
Stationary and Area Sources	3b-6
On-road Mobile Sources	3b-9
Off-road Mobile Sources	3b-13
Future Year Emissions Inventory and Source Attribution	3b-17
Stationary and Area Sources	3b-22
On-road Mobile Sources	3b-24
Off-road Mobile Sources	3b-26
Summary	3b-29

## Chapter 4: Enforcement Summary

Introduction	4-1
Overview of Enforcement Program – Purpose and Jurisdiction	4-1
Enforcement History	4-2
South Coast AQMD Enforcement History in this Community	4-2
CARB Enforcement History in this Community	4-4
Enforcement Approach - Program Structures	4-7
South Coast AQMD's Office of Compliance and Enforcement	4-7
CARB Enforcement's Program Structure	4-9
How the Public Helps Reduce Air Pollution	4-11
Technology	4-11
The Interagency Approach	4-13
Enforcement Considerations	4-14

## Chapter 5: Actions to Reduce Air Pollution Emissions or Exposures

5a: Overview	5a-1
5b: Refineries	5b-1
5c: Ports	5c-1
5d: Neighborhood Truck Traffic	5d-1
5e: Oil Drilling and Production	5e-1
5f: Railyards	5f-1
5g: Schools, Childcare Centers, and Homes	5g-1
5h: Implementation Schedule	5i-1
5i: California Environmental Quality Act (CEQA) Analysis Summary	5j-1

## Chapter 6: Air Monitoring Summary

Air Monitoring Summary	6-1
------------------------	-----

## Appendices

Appendix 2: Community Outreach, Community Steering Committee, and Public Process _____	Appendix 2-1
Appendix 3a: Community Profile _____	Appendix 3a-1
Appendix 3b: Source Attribution _____	Appendix 3b-1
Appendix 4: Enforcement Plan _____	Appendix 4-1
Appendix 5b: Refineries _____	Appendix 5d-1
Appendix Response to Comments _____	Appendix RTC-1

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# EXECUTIVE SUMMARY

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Executive Summary

This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC), the South Coast AQMD, and the California Air Resources Board (CARB), to reduce air pollution in the Wilmington, Carson, West Long Beach community. An essential piece of the Assembly Bill (AB) 617 program is the partnership and collaboration with the community to ensure that the CERP addresses the community's air quality priorities. At the center of these efforts is the CSC that was established, in part, to participate in the development and implementation of these plans. The CSC is a diverse group of people who live, work, own businesses, and/or attend school within the community. Local land use agencies and public health agencies that serve the community are also part of the CSC. CSC members provided guidance, insight, critique, and community wisdom, all of which were elements in the development of the CERP. The CERP is a critical part of implementing ~~Assembly Bill 617~~ (AB 617), which is a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. The AB 617 program aims to invest new resources and conduct focused actions in these communities to improve air quality as a step toward environmental equity.

The Wilmington, Carson, West Long Beach community identified the following air quality priorities to be addressed by this plan:

- Refineries
- Ports
- Neighborhood Truck Traffic
- Oil Drilling and Production
- Railyards
- Schools, Childcare Centers, and Homes

At its core, this plan seeks to address the identified priorities with actions that reduce air pollution emissions from sources within this local community as well as reduce air pollution exposures to the people in this community. This plan includes targeted actions using many complementary strategies, including developing and enforcing regulations, providing incentives to accelerate the adoption of cleaner technologies, and conducting outreach to provide useful information to support the public in making informed choices. Additionally, air monitoring strategies will be used to help provide critical information to help guide investigations or provide public information. Collaborative efforts with other agencies, organizations, businesses, and other stakeholders will amplify the impact of these actions. Many of the actions will only be conducted during the timeframe of this plan; however, there are also many actions (such as regulation, ongoing enforcement activities, and certain incentive programs) that will be ongoing activities conducted by the South Coast AQMD.

This plan focuses on improving air quality ~~seeks to bring real air quality improvements~~ in the Wilmington, Carson, West Long Beach community, through concentrated~~focused~~ efforts and community partnerships. The CSC will continue to be engaged throughout the process of implementing the CERP and tracking its progress.

### The Reader's Guide to the CERP

The opening chapters provide background information about the AB 617 program and timeline (Chapter 1), the CSC process and community engagement (Chapter 2), and information about the air pollution sources in the community (Chapter 3).

Information about past and ongoing enforcement activities conducted by both the South Coast AQMD and CARB enforcement staff are described in Chapter 4. This information will provide insights into enforcement going forward.

The specific actions to be implemented are described in Chapter 5 – Actions to Reduce Community Air Pollution. This chapter is organized by air quality priority area, and the strategies proposed for each priority area are presented in the CERP action templates. Within each CERP action, the responsible entities are identified, along with the timeframe and goals for implementing the proposed action. The CERP actions are numbered in the order in which they are presented in each section. Chapter 5 also includes a California Environmental Quality Act (CEQA) analysis based on the proposed actions within this plan.

A summary of the air monitoring approach is included in Chapter 6. These efforts are described in much greater detail in the Community Air Monitoring Plan (CAMP),<sup>1</sup> which serves as the sister document to the CERP. The actions described in Chapter 5 include specific air monitoring activities, as they relate to other specific actions in the CERP. The CAMP describes the overall air monitoring approach to address the community air quality priorities. Findings from air monitoring will help to evaluate next steps, and South Coast AQMD staff will work with the CSC to review findings and make necessary adjustments.

The ~~Appendices~~Appendix to the CERP will include additional reference material related to the CERP content.

### References

~~South Coast AQMD, Community Air Monitoring Plan for Wilmington, Carson, West Long Beach, Accessed July 16, 2019.~~





- 
1. South Coast AQMD, Community Air Monitoring Plan for Wilmington, Carson, West Long Beach, <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlbcamp.pdf>, Accessed July 16, 2019.





### Summary of Response to Comments *[THIS SECTION WAS ADDED FOR THE DRAFT FINAL CERP]*




The CSC, South Coast AQMD and CARB closely collaborated to develop the Wilmington, Carson, West Long Beach CERP. Development of the CERP occurred over a year-long process that included 9 CSC meetings, 3 Technical Advisory Group (TAG) meetings, 2 Community Workshops, and over 25 individual meetings. The South Coast AQMD staff received over 200 comments from industry trade organizations, businesses, government agencies, community residents, environmental organizations, and other entities for the CERP. The table summarizes each comment and identifies if the commenter's request is included (●) or not included (◆) in the CERP. The table also provides a brief staff response that explains where requests that are included in the CERP can be found or why the request was not included. More detailed responses to comments can be found in Appendix RTC of the Wilmington, Carson, West Long Beach CERP.

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
<b>General Comments on the CERP</b>				
i	The CERP needs to include quantifiable emission reduction targets (e.g., in tons per year, percentages per year), or a method for quantifying emissions	Alicia Rivera (Communities for a Better Environment, CBE), Dulce Altamirano (Wilmington Active Resident), Jill Johnston (University of Southern California (USC))	●	Estimated emission reductions have been included in Chapter 5a, which specifies the tons per year reductions that will be achieved through mobile source incentives, mobile source regulation measures (CARB), and stationary source regulations. Staff has added emission reduction goals and a VOC quantification method for refineries in Chapter 5b. Staff will commit to the further development of a VOC methodology through the Technical Advisory Group (TAG).

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
ii	Source attribution should include baseline emissions, facility specific data, and source-specific data, including refinery-specific data. Data should also determine the pollutants driving exposure risk and areas where concentrations are highest, and identify equipment contributing to air pollution, what controls are available, and additional efforts being made.	Alyssa Beltran (Los Angeles County DPH), Alicia Rivera (CBE), McKina Alexander (City of Carson), Maribel Alejandre (SBCC Thrive LA), Chris Chavez (Coalition for Clean Air, CAA), Susan Stark (Marathon Petroleum)	●	Source attribution data is provided in Chapter 3b and includes baseline emissions and source-specific data. Emissions data for each refinery in the community is provided in Appendix 5b. Diesel PM is the main air toxics risk driver in the community as a whole, and the CERP includes specific actions to reduce diesel PM. Additionally, the source attribution analysis identifies refineries to be significant sources of NOx and VOCs, and the CERP includes actions to address these sources as well. A thorough analysis of the emission sources and controls will be conducted as a part of the rule development process.
iii	Develop goals, metrics, and a step-by-step plan, establish timeframes and deadlines, and track progress (annual reports).	Jesse Marquez (CFASE), Janet Whittick (California Council for Environmental and Economic Balance, CCEEB), Alicia Rivera (CBE), Alyssa Beltran (LA County DPH), Chris Chavez (CCA), Sylvia Arredondo (Wilmington Active Resident)	●	A step-by-step plan for each action has been incorporated within the “Course of Action”. Each action contains goals and estimated timelines. The goals include metrics designed to measure the progress of the CERP. As outlined in the Blueprint, annual progress reports will be a part of the AB 617 process for the CERP to demonstrate progress towards meeting these goals.





#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
iv	Emission reductions should meet the State Implementation Plan (SIP) creditable criteria. However, emission reductions that do not meet these criteria should not be excluded.	Christopher Chavez (CCA)		South Coast AQMD staff continues to pursue a suite of actions to achieve emission reductions, including some that meet SIP creditable criteria, and some that do not meet the criteria but are equally important to reducing emissions, providing outreach and education, or reducing exposure to emissions in this community.
v	Perform a community health assessment to have quantifiable goals and targets	Alicia Rivera (CBE), Chris Chavez (CCA), Sylvia Betancourt (LBACA), Jill Johnston (USC), Florence Gharibian (Del Amo Action Committee)		<p>Conducting a health study to establish a health baseline and track improvements will not provide a direct measurement of the success of the AB 617 program as there are many factors which contribute to health outcomes. Emission reductions in the CERP will provide long-term benefits for public health. Consistent with CARB's Blueprint, the CERP includes a series of specific metrics to directly measure implementation of the strategies for each of the actions. Key metrics include emission reduction goals for refinery emissions within the community, reduction of flaring, commitments for air measurements, and rule development to address fugitive VOC emissions.</p> <p>The overall goal of AB 617 and the CERP is to improve public health from air quality related issues within the community. The CERP includes actions and strategies to meet this goal. Chapter 5g includes actions for direct public health improvement programs (e.g., asthma management programs).</p>




#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
vi	Use District expertise to determine air quality priorities and not solely on public input	Alicia Rivera (Communities for a Better Environment), Chris Chavez (CCA)		The CERP focuses on air quality concerns prioritized by the CSC, and staff provided input and ideas on strategies and actions that can be taken to address those concerns. The actions in the CERP are a product of the work of the CSC and staff together.
vii	Few actions include actual regulations that are above and beyond due to AB 617. There should be more regulations with direct emission reductions are included in the CERP.	Alicia Rivera (Communities for a Better Environment)		Actions specified in the CERP have been written to address the air pollution sources prioritized by the CSC. These actions are community-specific and go beyond existing South Coast AQMD efforts as outlined in the Air Quality Management Plan (AQMP). The CERP includes rule development on South Coast AQMD Rules 1118, 1142, 1148 series, 1173, 1178, and 1109.1, along with Facility-Based Mobile Source Measures (FBMSM). Additional CARB rule development is also included in the CERP.
viii	Complete a facility specific risk reduction audit	Alyssa Beltran (LA County DPH)		Facility specific risk assessments are conducted through the AB 2588 Air Toxics “Hot Spots” Program. Facilities within the Wilmington, Carson, West Long community that are currently in the AB 2588 program at the South Coast AQMD have been identified in Appendix 3a. Those facilities that have been identified as a high priority would have either been notified to reduce their risk or have already reduced their risk such that they may no longer rank high on the prioritization list.





#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
ix	CERP does not mention BARCT requirements or provide an update on the status of the Technology Clearinghouse	Alicia Rivera (CBE); Chris Chavez (CCA); Bridget McCann (Western States Petroleum Association, WSPA)		<p>RECLAIM NOx facilities, facilities with annual emissions over 4 tons, will transition to a command-and-control regulatory structure to meet BARCT. This includes the rule development efforts for PR 1109.1, which will specify BARCT requirements for refinery equipment (see Chapter 5b, Action 5 for more detail). Appendix 3a identifies all the RECLAIM facilities in this community.</p> <p>Before facilities can transition out of RECLAIM, a corresponding command-and-control rule for each piece of equipment is needed. As a result, the South Coast AQMD staff is conducting a BARCT assessment for all NOx rules that are part of the RECLAIM transition. If the BARCT assessment lowers the NOx emission limit in an existing command-and-control rule, non-RECLAIM facilities will also be impacted and will need to make further emission reductions. The BARCT assessment for a number of NOx proposed and proposed amended rules is still currently being conducted and the list of affected non-RECLAIM facilities is not currently known. South Coast AQMD is working closely with CARB to provide data for the Technology Clearinghouse and is expected to be fully implemented by the end of the implementation period of this CERP. Information regarding the Technology Clearinghouse schedule for each air district is on the CARB website.</p>












#	Comment	Commenter(s)	Included = ● <u>Not</u> Included= ◆	Staff Response
x	CERPs should include a discussion of what funds (i.e., incentives) have been allocated to date and how investments will achieve quantifiable results and community benefits	Janet Whittick, California Council for Environmental and Economic Balance (CCEEB), McKina Alexander (City of Carson)	●	This information will be provided in the annual progress reports, and also provided to the CSC as part of the periodic updates.
xi	CERP should not rely only on incentives measures, because they are not required reductions. Actions need direct emission reductions or enforcement.	Sylvia Arredondo (Wilmington Active Resident), Chris Chavez (CCA), Alicia Rivera (CBE)	●	Incentives are among the strategies used in the CERP because they can bring expedited emissions reductions above and beyond current requirements. However, the CERP does not rely on any one type of strategy, and instead uses a combination of strategies to reduce emissions, including regulation, enforcement, air monitoring, outreach and incentives. The totality of these actions will bring emission reductions to this community, as quantified in Chapter 5a.







#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
xii	Toxics need to be part of the CERP discussion and targets in the CSC. The CSC should remain informed about how these rules result in emissions reductions in their community.	Chris Chavez (CCA)		Actions in the CERP have been included to address criteria pollutant and toxic air contaminants. There are six actions that will reduce diesel particulate emissions from ships, harbor craft, port equipment, trucks, railyards and oil drilling and production sites. In addition, there are five actions that target VOC emissions from refineries, oil wells, and oil tankers that will concurrently reduce other toxic air contaminant emissions such as benzene, toluene, ethylbenzene, and xylene. South Coast AQMD is committed to informing the CSC of any rule development updates during the scheduled quarterly CSC meetings.
xiii	Require zero-emission technologies as soon as possible for all priorities.	Jesse Marquez (CFASE)		Zero-emission technologies that are commercially available and technologically feasible will be prioritized; however, where zero-emission technologies are not available or feasible, cleaner technology (i.e., near zero) will be prioritized.






#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
<b>Oil Drilling and Production</b>				
i	Support a 2,500 buffer zone, or setback, between residents and oil and gas operations.	Alicia Rivera (CBE), Chris Chavez (CCA), McKina Alexander (City of Carson), Sylvia Arredondo (Wilmington Active Resident)		The South Coast AQMD is aware that the City of Los Angeles is looking at the feasibility of establishing setbacks for sensitive receptors within a specified distances of an existing or a new oil and gas well. The City of Los Angeles' report recognized that other engineering and operational controls can provide additional public health protection. The CERP includes an action that is based on engineering and operational controls that focuses on oil drilling and production that can complement efforts at the City of Los Angeles or other local jurisdictions. These control strategies are designed to improve early leak detection, reduce fugitive emissions from leaking wells, use of advanced air measurement technologies to screen wells, and follow-up investigation and enforcement activities to ensure leaks are fixed. This action includes rule development for Rule 1148 series and Rule 1173 to reduce emissions and improve reporting. The South Coast AQMD staff will monitor the City of Los Angeles' efforts on this issue.

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
ii	Add measures to capture emissions at oil and gas sites	Uduak-Joe Ntuk (LA City, OPNGAS)		<p>Staff will monitor or inspect these sites during well rework and maintenance activities as resources are available. If elevated levels are observed through the monitoring efforts detailed in the CAMP, monitoring staff may remain at a location of concern for a longer period of time or compliance staff may follow up with an investigation to identify and address the emissions being generated during well rework and maintenance activities.</p> <p>The City of Los Angeles July 29, 2019 report “Council File No 17-0447 – Feasibility of Amending Current City Land Use Codes in Connection With Health Impacts at Oil and Gas Wells and Drill Sites” suggested that one possible way to improve health oversight is to have “Los Angeles County deputize the Los Angeles City Fire Department with health officer authority for oversight and inspections of oil and gas facilities within the City. This action would be proactive for future incidents and move away from a more reactive model of oversight while empowering our local emergency services agency, LAFD, to have more oversight related to oil and gas operation.”</p>
iii	Provide relocation assistance for industrial uses within residential neighborhoods	Marie Cobian (City of Los Angeles)		Relocation of industrial uses would be outside of the South Coast AQMD’s authority.





#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
iv	Maintain event and chemical reporting data for oil and gas in one integrated dataset that can be used by other agencies	Uduak-Joe Ntuk (LA City, OPNGAS)		Staff will evaluate the feasibility of maintaining all reported datasets in a usable format to be used by other agencies.
v	Develop a plan with zero-emission technologies to eliminate the need for oil refineries and oil drilling and phase out fossil fuels over time.	Alicia Rivera (Communities for a Better Environment)		The CERP includes actions to address the replacement of mobile source equipment (e.g., heavy-duty diesel trucks) with zero-emission technologies once they become available, and near-zero emission technologies until that time; thus, reducing the reliance on fossil fuels. Staff believes that any policy that aims to phase-out the use of fossil fuels needs to be coordinated with a number of state agencies, including the Public Utilities Commission (PUC), the California Energy Commission (CEC), and CARB. State law (SB 100, 2018) calls for a phase out of fossil fuels (zero-carbon goal) in the electricity generating sector by 2045. According to the Energy Information Administration, almost all petroleum used in California is used in the transportation sector. Under both the Clean Air Act and state law, South Coast AQMD does not have authority over the composition of motor vehicle fuels; so, the South Coast AQMD could not phase out fossil fuel use in motor vehicles.

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
vi	CERP should be linked to the Los Angeles County Department's Community Health Improvement Plan (CHIP) to prioritize protecting public health near oil and gas facilities	Ray Cheung (SmartAir LA)		The Los Angeles County Department of Public Health is currently developing the new CHIP (2019-2025) and the details of the CHIP have not been finalized. Staff can commit to reviewing the finalized CHIP and incorporate air quality related information to address or mitigate emissions from oil drilling and production sites.
<b>Refineries</b>				
i	Refineries are not a high contributor to exposure levels in this community. Assess existing and available measures for reducing emissions from other contributing source categories.	Bridget McCann (WSPA)		In addition to refineries, the CERP includes actions for ports, neighborhood truck traffic, oil drilling and production, and railyards. Emissions from petroleum refineries, however, do account for a significant portion of the community total emissions. Refinery VOC emissions account for a substantial portion of emissions in the community, as supported by the source attribution data.
li	Establish a moratorium on refineries, drilling expansions, and crude oils	Alicia Rivera (Communities for a Better Environment), Sylvia Betancourt (LBACA)		South Coast AQMD has a number of regulations limiting emissions from refinery operations and other stationary sources. All new and modified equipment is subject to Regulation XIII which requires that best available control technology (BACT). If a project meets the requirements of South Coast AQMD rules, staff is required to issue permits for the project.

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
iii	Include a more comprehensive list of applicable regulations for refineries	Bridget McCaan (WSPA)		Appendix 5b was revised to include a more comprehensive list of applicable regulations.
iv	Reduce flaring (including accidental), require flaring minimization plans, set a VOC standard, require optical remote sensing for flares and provide flare data online as BAAQMD does (daily). Evaluate the cumulative impact of flaring.	Sylvia Betancourt (LBACA) Alicia Rivera (CBE), Sylvia Arrendondo (Wilmington – Active Resident)		Accidental or unplanned flaring events may be addressed through the rule development process for Rule 1118. (Chapter 5b, Action 3). Suggestions will be assessed as a part of the rule development process.
v	Phase out modified hydrofluoric acid (MHF), but not through a MOU	Alicia Rivera (Communities for a Better Environment), Chris Chavez (CCA)		South Coast AQMD is currently considering the issue of the storage and use of MHF at the two local refineries through the Proposed Rule 1410 rule development process.
vi	Require wet scrubbers for oil refinery fluid catalytic cracking units (FCCU) to be similar to BAAQMD	Alicia Rivera (Communities for a Better Environment)		The PM10 emission limits required by Rule 1105.1 are the most stringent in the nation. Refineries can install electrostatic precipitators (ESPs), wet electrostatic precipitators (WESPs) or wet gas scrubbers or use more than one of these technologies to meet the Rule 1105.1 emission limits. The CERP commits South Coast AQMD staff to monitor the progress of the BAAQMD's rulemaking effort to assess whether additional PM emission reductions from FCCUs are feasible (see page 5b-4 of the CERP).

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
vii	Provide an inventory of boilers, heaters, and equipment specifications for refineries. Assess if all boilers and heaters meet BACT and require boilers and heaters to meet requirements beyond RECLAIM	Alicia Rivera (Communities for a Better Environment)		Staff has included this list in Appendix 5b.
viii	Provide an inventory of storage tanks. Include Fluxsense study results as part of the emissions inventory (i.e., VOC and benzene) to require tighter regulations.	Alicia Rivera (Communities for a Better Environment)		Staff added Action 4 to Chapter 5b to initiate rule development for amending Rule 1178 – VOC Emissions from Storage Tanks at Petroleum Facilities. Staff will reevaluate the emissions inventory to assess VOC and benzene impacts during the rule development process.
ix	Collect inventory data (monthly and annual volumes and characteristics) of crude oils for refineries.	Alicia Rivera (Communities for a Better Environment)		The refineries consider specific information regarding the types of crude oils processed by their facilities to be confidential trade secret information. Although the South Coast AQMD does not collect that information, there are other entities, such as the California Energy Commission (CEC) that do. The CEC collects various types of information, such as total crude oil from the California refineries, and publishes the total crude oil capacity for each refinery on its website: <a href="https://ww2.energy.ca.gov/almanac/petroleum_data/refineries.html">https://ww2.energy.ca.gov/almanac/petroleum_data/refineries.html</a> .



#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
x	Provide a list of all technologies (including technologies for vapor recovery systems) and their efficiencies that can help reduce emissions at refineries. Identify all places these technologies can be applied, and then mandate these technologies	Jesse Marquez (CFASE), William Koons (Carson Active Resident)		<p>All available technologies are reviewed during the rule development process and BARCT assessment; therefore the specific list of technologies cannot be provided until the rule development process occurs. Proposed Rule 1109.1 is currently undergoing the rule development process to evaluate BARCT for refinery equipment and a list of applicable boilers and at refineries and related processes may be found in Appendix 5b.</p> <p>Current technologies for vapor recovery can be addressed through the rule development process through amendments to Rule 1118, including the feasibility of replacing all gas pilot lights with non-gas pilot lighters.</p>
xi	Address smoke stacks at the refineries	Flavio Mercado (Wilmington Active Resident)		Refinery smokestacks are regulated by South Coast AQMD's Rule 401 – Visible Emissions, through opacity. In addition, Rules 1180 and 1118 will provide near-real time air quality information through fenceline and community air monitoring systems (Rule 1180) or through flare video monitors (Rule 1118).

#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
<b>Ports</b>				
i	Ports should be subject to an Indirect Source Rule (ISR) instead of a MOU and require the Ports to meet air quality attainment goals and not just the Clean Air Action Plan (CAAP).	Jesse Marquez (CFASE), Chris Chavez (CCA)	◆	Per Governing Board direction, staff is currently working with the Ports of Los Angeles and Long Beach (Ports) staff to develop a MOU. In the event that the MOU approach with the Ports is not successful and emission reductions are not achieved, staff would recommend a regulatory approach, such as an ISR, to the Governing Board.
ii	CERP should be more aggressive in reducing air pollution from port sources	Chris Chavez (CCA)	●	Chapter 5c includes several major actions that will reduce emissions from port sources. These include working to support CARB's rule development for the At-Berth, Commercial Harbor Craft, Cargo Handling Equipment, and Drayage Truck Regulations, developing an MOU to implement the Ports' CAAP, and conducting focused enforcement activities on trucks and oil tankers.
iii	Allocate AB 617 funds for collaborative projects, such as utilizing funds to detect violations with aerial monitoring systems.	Alex Spataru (The Adept Group)	●	CARB believes there is merit in pursuing aerial monitoring of noncompliant vessels as a potential compliance screening tool. However, aerial monitoring in the European Union is used only as a screening tool to detect potentially non-compliant vessels and not as a direct method for enforcing fuel regulation. Sampling fuels on the vessels is the only way to determine whether a ship is compliant with that regulation.






#	Comment	Commenter(s)	Included = ● <u>Not</u> Included = ◆	Staff Response
<b>Neighborhood Truck Traffic</b>				
i	South Coast AQMD must complete Facility Based Mobile Source Measures (FBMSM) by the second quarter of 2020.	Chris Chavez (CCA)	●	Staff is committed to the development of FBMSM and will continue to hold working group meetings. South Coast AQMD's goal is to develop an MOU with the Ports in early 2020.
ii	Indirect Source Rules (ISR) should be included in neighborhood truck traffic	Chris Chavez (CCA)	●	Facility Based Mobile Source Measures (FBMSM) (which can include an ISR or an MOU) has been added to the Chapter 5d to address emissions from neighborhood truck traffic.
iii	Collaborations should be established with local government to move trucks away from sensitive receptors	Chris Chavez (CCA)	●	In Chapter 5d, Action 2, staff will work with the local cities to evaluate potential designated truck routes away from sensitive receptors and identify resources to enforce these routes.
iv	Work with Los Angeles Department of Transportation (LADOT) to establish physical barriers to prevent trucks from entering residential neighborhoods	Marie Cobian (City of LA)	●	South Coast AQMD will work with the appropriate agencies to evaluate the feasibility of this suggestion. This suggestion has been added in Chapter 5d, Action 2.

#	Comment	Commenter(s)	Included = ● <u>Not</u> Included = ◆	Staff Response
v	Add or replace sound walls along truck impacted corridors	McKina Alexander (City of Carson)	●	Sounds walls are typically the purview of Caltrans or the Los Angeles County Metropolitan Transportation Authority. South Coast AQMD recognizes the potential exposure reduction benefit of sound walls along truck corridors, and can work with agencies to provide data on locations within the community that have high truck pollution impacts. This action has been added to Chapter 5d, Action 2.
vi	Requested a complaint line for truck idling caused by truck traffic	William Koons (Carson Active Resident)	●	City transportation departments may have data to track traffic. Traffic flow issues and congestion are not within the South Coast AQMD's expertise, but South Coast AQMD can partner with appropriate agencies and entities on air quality issues under South Coast AQMD's purview. Truck idling is allowed in certain situations, such as being stuck in traffic, queuing, or mechanical failure. Truck idling complaints can be submitted to 1-800-CUT-SMOG or 1-800-END-SMOG.
vii	There should also be smoking truck patrols at the port area	Greg Roche (Clean Energy)	●	CARB intends to conduct enhanced roadside inspections in the areas surrounding the Ports of Los Angeles and Long Beach to identify and cite vehicles out of compliance with CARB regulations by using CSC input to locate areas where the community has expressed concern with smoking and idling vehicles. CARB will conduct roadside inspections within areas where they can enforce (e.g., cannot pull vehicles over on freeways, but can on surface streets for inspections). In addition to gathering CSC's input, CARB and South Coast AQMD staff are regularly in the field






#	Comment	Commenter(s)	Included = ● Not Included = ◆	Staff Response
				conducting other enforcement efforts, and plan to document idling and smoking vehicles to further support the enhanced roadside inspection program.
viii	More “no truck idling” signage is needed	Florence Gharibian (Del Amo Action Committee)	●	In Chapter 5d, Action 1 staff will work with local entities or agencies to establish “no truck idling” signage with locations prioritized by the CSC and work with the appropriate city agencies or entities to assess the feasibility of sign placement.
ix	CARB should collaborate with the South Coast AQMD and City agencies to identify and regularly monitor truck traffic impacted areas. Compliance with idling and clean vehicle standards.	McKina Alexander (City of Carson),	●	Chapter 5d, Action 1 commits to conducting focused enforcement for idling trucks in high traffic areas with the highest priority for areas near schools and residential areas. In addition, Chapter 5d, Action 2 commits the Cities in the Wilmington, Carson, West Long Beach community to collaborate with South Coast AQMD to evaluate potential designated truck routes and identify resources to enforce these routes. Furthermore, CARB commits to conducting enhanced roadside enforcement of existing Drayage Truck and Truck and Bus regulations and considering amendments to rules for heavy-duty trucks.
x	Funding technology advancement is contrary to the purpose of AB 617 - Current year incentives should be used for available technologies	Priscilla Hamilton (So Cal Gas),	●	The community has prioritized zero-emission technology where commercially available and technologically feasible; thus, funding technology advancement will expedite the development, demonstration, and commercialization of these types of technologies. Current year incentives will be used for available technologies.




#	Comment	Commenter(s)	Included = ● <u>Not</u> Included = ◆	Staff Response
xi	Scrappage programs should be used to maximize emission reduction programs	Priscilla Hamilton (So Cal Gas)	●	Older, more polluting trucks that are replaced with cleaner technology through the Carl Moyer Program or Prop 1B are scrapped.
xii	Incentives should prioritize technologies (i.e., heavy-duty trucks) that can maximize emission reductions today. Existing diesel truck fleets should be replaced with cleaner technologies available now.	Priscilla Hamilton (So Cal Gas), Kevin Maggay (So Cal Gas), Greg Roche (Clean Energy), Alyssa Beltran (LA County DPH)	●	The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near-zero) through incentives to achieve much needed emissions reductions sooner.
<b>Railyards</b>				
i	Add sources or polluters (i.e., ports, railroad) as Implementing Agency and include roles and responsibilities (i.e., updates on status of emission reductions)	Sylvia Arredondo (Wilmington Active Resident), Chris Chavez (CCA), Alyssa Beltran (LA Country DPH)	●	BNSF and Union Pacific have been added as Implementing Entities to Action 1 of Chapter 5f – Railyards, to continue to participate in FBMSM working groups. The Ports are listed as implementing agencies for Action 2 of Chapter 5 – Ports. Based on this Action, the Ports and South Coast AQMD are responsible for working together to hold one outreach event per year to provide equipment owners and operators information about incentives (e.g., opportunities for cleaner ships and harbor craft).

#	Comment	Commenter(s)	Included = ● <u>Not</u> Included= ◆	Staff Response
<b>Exposure Reduction – Schools, etc.</b>				
i	Assess feasibility to add green space in the community (e.g., partner with agencies to increase tree canopy, evaluate potential to use abandoned well sites for greenspace, or transform sidewalks, use greenspace to focus on buffer zones, idling free zones, etc.)	McKina Alexander (City of Carson), Marie Cobian (City of LA), Sylvia Arredondo (Wilmington Active Resident), Ray Cheung (SmartAir LA)	●	Chapter 5g, Action 4 is included in the CERP to identify new or existing sources or programs that can provide funding for tree planting and other forms of green space expansions. South Coast AQMD is looking to partner with appropriate entities, organizations or entities to encourage greenbelts through tree planting, enforcing truck idling free zones, reducing diesel freight traffic from schools when children are present, and the development of land-use plans that limit pollution-emission activities.
ii	Provide timeline, collaborating organizations, and metrics (baseline and improvements) to install filtration systems at schools	McKina Alexander (City of Carson)	●	Chapter 5g, Action 2 addresses exposure reduction at schools through the installation of school filtration systems, which will involve collaborating with the local school districts. The current number of schools with air filtration systems installed will be the “baseline”; these schools are listed in Chapter 5g, Ongoing Efforts (see Tables 5g-1 and 5g-2). The metric that will be tracked for this action is the number of school filtration systems that have been installed. Staff will provide updates to the CSC semiannually on the progress of this action, which will include whether funding has been identified, the progress of the installations, and the overall number of systems that have been installed.

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
iii	Air filtration systems should be mandatory in all schools	William Koons (Carson Active Resident)		South Coast AQMD cannot mandate that schools have air filtration systems. However, staff will work with the local school districts to install air filtration systems at schools prioritized by the CSC.
<b>Other Comments</b>				
i	Address CSC member attendance at CSC meetings	Alyssa Beltran (Los Angeles County Department of Public Health)		Generally, the WCWLB CSC meetings are well attended and the number of attendees for each CSC meeting in the WCWLB community ranges from 60 to 100 attendees. On average, about 25 (out of 34) CSC members attended the meetings. Staff will consider the suggestions for improving CSC member attendance.
ii	Staff should use black carbon (BC) or ultrafine as a marker for diesel rather than only using PM and identify a marker that will be used for fugitive emissions and how to follow this marker over time. Benzene should also be monitored.	Jill Johnston (USC)		The AB 617 efforts will include monitoring for BC and ultrafine particles as indicators of diesel PM, and these levels can be compared to previous data from MATES studies. Benzene will be directly monitored to help track progress. Recurring measurements of total VOCs will also be conducted to help track progress. Staff will use the appropriate marker or surrogate for the specific fugitive emissions identified.



#	Comment	Commenter(s)	Included =  Not Included = 	Staff Response
iii	Maintain an online presence written in layman's terms and work with all stakeholders to ensure data collection, interpretation, communications of results will be clear, transparent, and understandable	McKina Alexander (City of Carson), Janet Whittick (CCEEB), Jill Johnston (USC)		Staff will continue efforts to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. Staff will aim to continue to share data and information with the CSC in layman's terms. As an example, staff recently launched the AB 617 Community Air Monitoring website, which includes a Data Display tool to display community air monitoring data in an interactive and visual format.
iv	Community involvement is needed for air monitoring	Jesse Marquez (CFASE)		South Coast AQMD will collaborate with community organizations for community air monitoring, where appropriate. For example, Chapter 5e, Action 1 specifies that community-based organizations will conduct air monitoring that is complementary to South Coast AQMD community monitoring efforts.
v	Provide information on South Coast AQMD's input to date for California Environmental Quality Act (CEQA) actions and how South Coast AQMD can leverage its existing role in the CEQA process to reduce air emissions and exposures	Alyssa Beltran (LA County DPH)		The South Coast AQMD has an obligation to implement CEQA as a lead and commenting agency and ensures a proper analysis in accordance with CEQA requirements. As a responsible agency, the South Coast AQMD verifies CEQA compliance before issuing air quality permits, and as a commenting agency, South Coast AQMD staff review the air quality analysis from other lead agencies' CEQA documents, and when necessary, submits comments and suggestions (e.g., feasible mitigation measures to reduce air emissions and toxic exposures).

#	Comment	Commenter(s)	Included =  <u>Not</u> Included = 	Staff Response
vi	Prioritize enforcement strategies and include goals for compliance	Alyssa Beltran (LA County DPH)		Enforcement strategies will be prioritized based on CSC input and availability of resources. Past enforcement actions for facilities within this community have been identified in Appendix 4. Goals and timelines have been incorporated into the CERP actions for each of the air quality priorities.
vii	Determine or analyze rule effectiveness	Jesse Marquez (CFASE), Alyssa Beltran (LA County DPH)		Actions are included in the CERP to conduct rule development to help achieve emission reductions. The specific amount of emission reductions achieved by each rule will be analyzed as part of the rule development process. In addition, staff will evaluate the data collected from inspections and enforcement actions in the community (i.e., from idling sweeps) and assess whether rule amendments may be necessary.
viii	Clarify whether South Coast AQMD can set pollution prevention requirements in rules before finishing air monitoring efforts, and identify new requirements to achieve specific emission reductions.	Alicia Rivera (Communities for a Better Environment)		Rule development efforts will be occurring concurrently with air monitoring efforts. However, there are some situations where air monitoring data may inform rule development. Any new requirements will be required to undergo the rule development process to allow for more focused meetings with all stakeholders to assess feasibility of proposed requirements or updated emission standards.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 1:

## INTRODUCTION

---

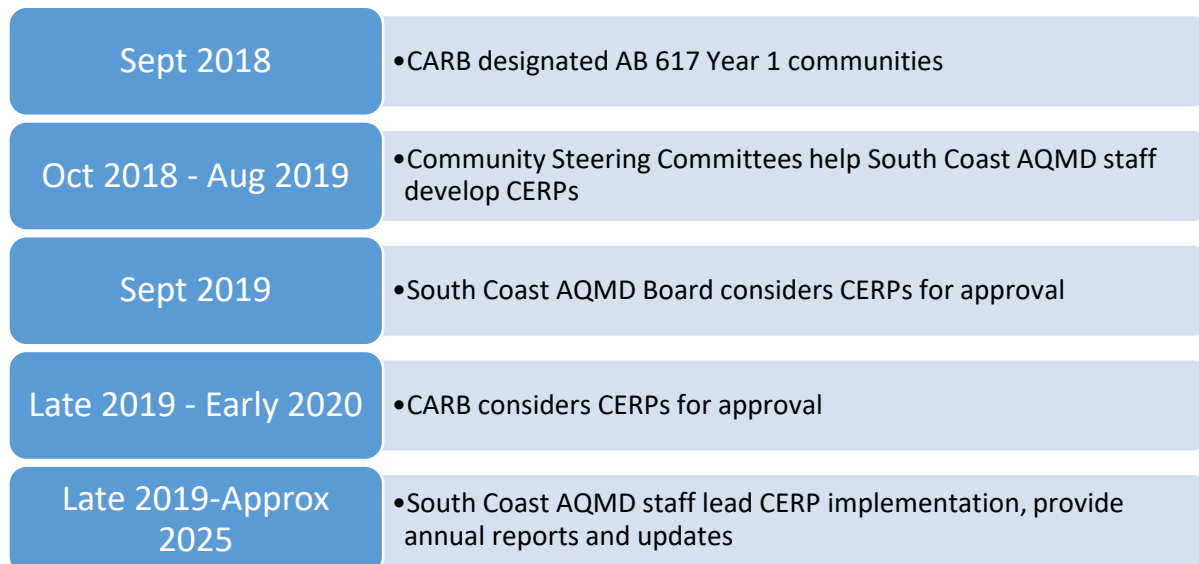
THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 1: Introduction

Assembly Bill (AB) 617 was signed into California law in July 2017 and focuses on addressing local air pollution in environmental justice (EJ) communities. The bill recognizes that while California has seen tremendous improvement in regional air quality, some communities are still disproportionately impacted. Many communities in the South Coast AQMD experience impacts from sources of air pollution located near places where people live. Major sources of air pollution in EJ communities include mobile sources (trucks, trains, ships, etc.) and industrial facilities. These communities also experience social and economic disadvantages that add to their cumulative burdens. The AB 617 program provides accelerated action and additional resources to address air quality in these communities.

On September 27, 2018, the California Air Resources Board (CARB) designated 10 communities across the state to implement community plans for the first year of the AB 617 program. Local air districts are tasked with developing and implementing community emissions reduction and/or community air monitoring plans in partnership with residents and community stakeholders. The Community Air Monitoring Plan (CAMP) includes actions to enhance our understanding of air pollution in the designated communities, and support effective implementation of the Community Emissions Reduction Plan (CERP). For the three (3) first year AB 617 communities in the South Coast AQMD, both a CAMP and a CERP are being developed. Separate documents describe the CAMP development process and the draft plan. Information is available at [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617). Figure 1-1 gives a general overview of the CERP timeline.

Figure 1-1: Overview of Community Emissions Reduction Plan (CERP) Timeline for Year 1 Communities



### Purpose of the Community Emissions Reduction Plan (CERP)

The CERP is a plan for achieving air pollution emission and exposure reductions within the Wilmington, Carson, West Long Beach community, and is tailored to address this community's air quality priorities.

The CERP includes actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP, as well as additional elements that are relevant to developing an effective CERP. Community partnership and engagement have been crucial throughout the process.

Because the work to implement the CERP and CAMP is dynamic, certain action items have been written with built-in flexibility to allow adjustments as new information becomes available. South Coast AQMD staff is committed to working with Community Steering Committee (CSC) members to evaluate ongoing actions and progress.

#### CERP Development Process and Emphasis on Community Input

Community engagement and input to inform both the process and the actions in the CERP have been a primary element of the AB 617 program. The Wilmington, Carson, West Long Beach CSC, working with the South Coast AQMD staff, are seeking to address the community's air quality priorities through development and implementation of the CERP. In addition to public meetings, numerous conversations and communications took place among committee members, South Coast AQMD staff, individuals and small groups—~~occurred~~ to ensure that community voices were an integral part of the plan. Chapter 2 describes the CSC process and the outreach that was conducted. Throughout the process, information exchanges between all parties, including feedback and input from committee members and members of the public ensured transparency and engagement. Numerous adjustments to consolidate and incorporate feedback were made and South Coast AQMD staff continuously aims to improve community engagement on air quality issues.

#### About this Community

This community includes the neighborhood of Wilmington within the City of Los Angeles, the City of Carson, and the neighborhood of West Long Beach within the City of Long Beach. The community is located in the southern portion of Los Angeles County (Figure 1-2).

Figure 1-2: Location of the Wilmington, Carson, West Long Beach community in the South Coast AQMD jurisdiction

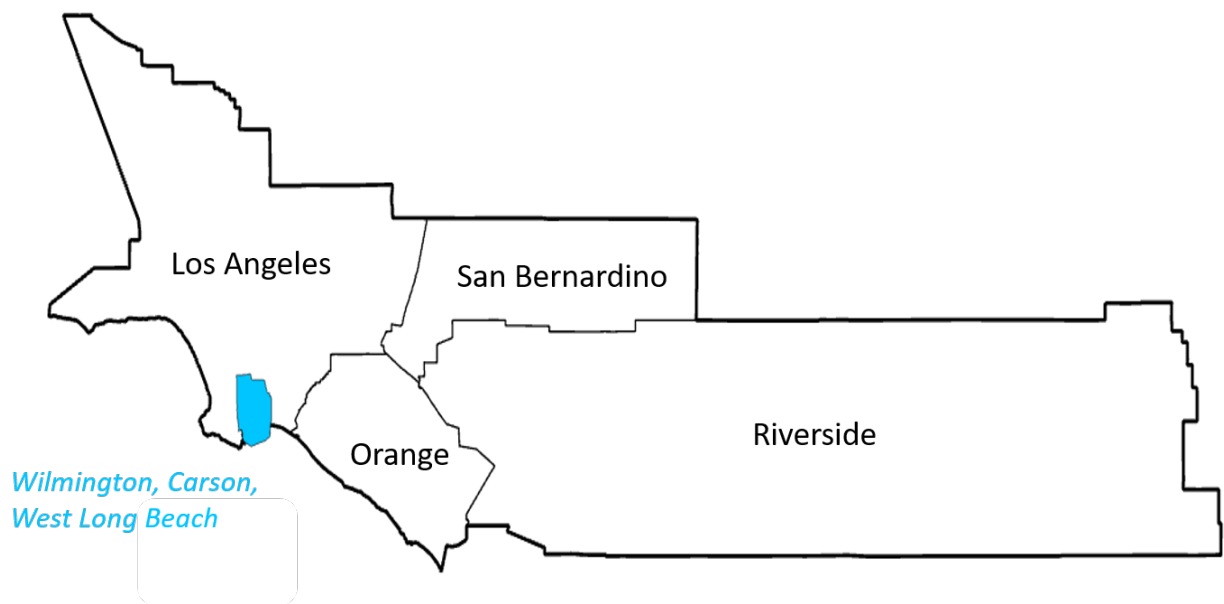


Figure 1-3: Population of the Wilmington, Carson, West Long Beach community, based on 2010 Census

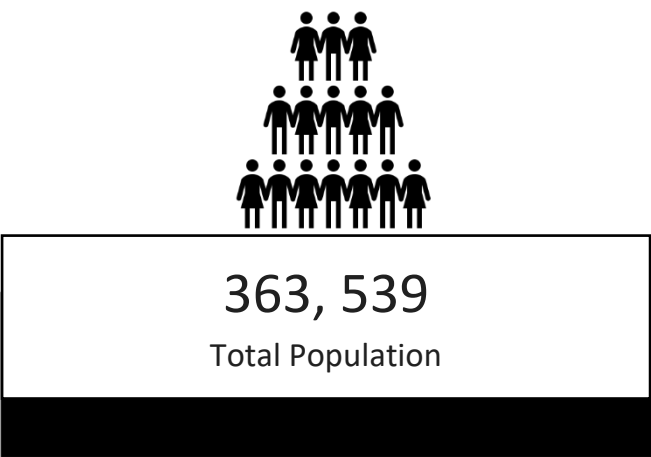
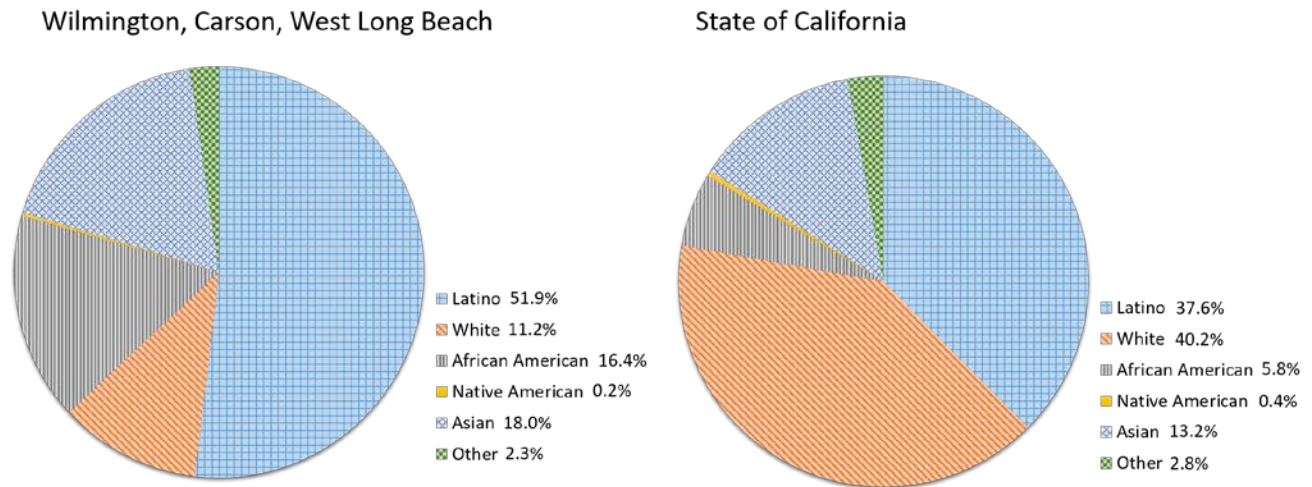


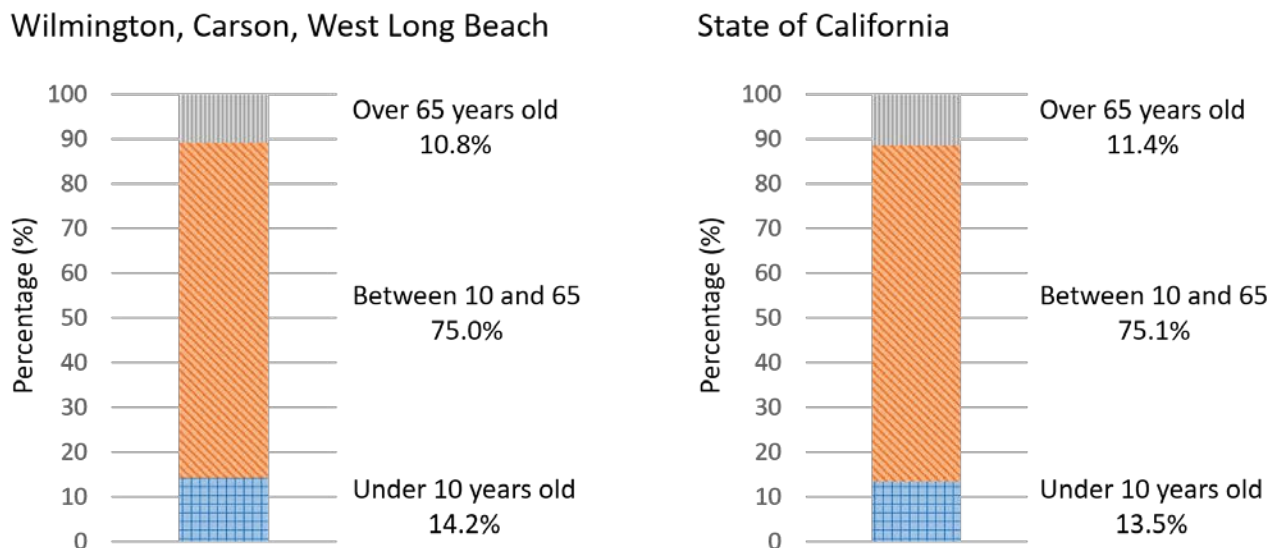


Figure 1-4: Population by Race/Ethnicity in Wilmington, Carson, West Long Beach and the state of California, based on 2010 Census<sup>i</sup>



More than 300,000 people live within the Wilmington, Carson, West Long Beach community (Figure 1-3). More than half of the people living in this community are Latino (Figure 1-4). About 17.6% of the residents in this community are Asian and 16.6% are African American. The population in this community is slightly younger compared to the population in the state of California, with about 14.5% children under the age of 10 years and 10.4% adults over the age of 65 years (Figure 1-5). These age categories are particularly important because young children and older adults can be more sensitive to the health effects of air pollution.<sup>1</sup>

Figure 1-5: Age profile in Wilmington, Carson, West Long Beach and the state of California, based on 2010 Census



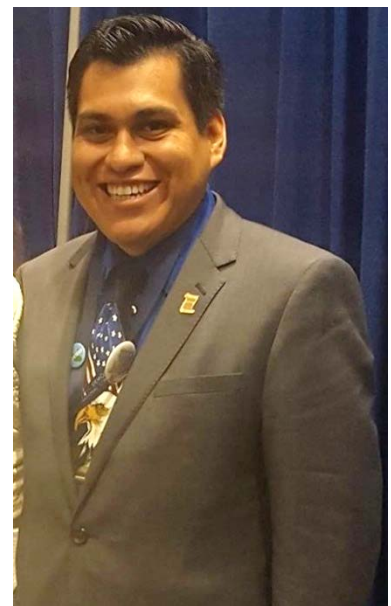
<sup>i</sup> Definitions of races are the same as CalEnviroScreen 3.0.

While the demographics and geography provide useful information, the members of the community are what make each community unique and distinct. Community members bring intimate familiarity with their community and the air quality concerns that affect their neighborhood. Below are some community voices describing this community.



*"When I open the front door of my house, the first thing I smell is gas. When I go shopping, to the clinics, El Super, I see a lot of garbage and dirtiness. When I drive, I see that many trucks pollute the environment by what comes out of the pipes. Sometimes ash falls from the sky due to the activities of the refineries. Despite having these environmental problems, Wilmington has a positive attitude. I like that we are a small city. We all know each other and we greet each other. I would like to continue being a positive community, and I hope that does not change because of the contamination of the environment." – Dulce Altamirano, Wilmington Resident*

*"The City of Carson is different from many cities because it is almost equal parts residential, heavy industrial, and commercial. This creates ~~competing-different~~ interests which are sometimes at odds with one another. And given the lack of political representation from the South and no representation from the East portions of the city these communities especially suffer the effects of pollution. Most of the heavy industrial land use is on the South and East side of the city. This is also where you would find the Carson refineries, oil storage facilities, and the Carousel neighborhood which was built over an abandoned oil tank farm. Carson also receives the brunt of trade coming to ~~or~~ and out of the Ports of Los Angeles and Long Beach. Cargo that travels to or from the ports can travel by rail that runs ~~n~~North and ~~s~~South on our ~~e~~East border. ~~Or~~ And cargo ~~can~~ that is ~~be~~ loaded on trucks which, in addition to polluting our air, tear up our side streets. Carson is also unique in that not only are we almost completely boxed in by freeways, the 405 freeway intersects our city down the middle. While we cannot get rid of the ports, the rail lines, and the freeways, as AB 617 committee members we should be doing everything we can to mitigate the pollution to provide a safer environment for those who work and live in our community." – Joseph Luis Piñon, Carson Resident*





*“One definition of ‘community’ is a group of people living and working together in the same area. The Wilmington, Carson, West Long Beach community is a culturally rich and diverse group of people who live here, work here, play here. Marathon Petroleum has been a long-time member of this community and we are glad to be a part of the AB 617 Community Steering Committee.” – Olga G. Chavez, Marathon Petroleum Company*

*“Communities like Wilmington, West Long Beach and Carson should be defined by their people, not their problems. Yet, diesel exhaust, odors from refineries and air pollution are a part of daily life. Through AB 617, we have the opportunity to bring the clean air our communities deserve.” – Christopher Chavez, Coalition for Clean Air*



*“My community is predominantly of Hispanic working class. Our community air quality is heavily impacted by several sources of pollution. Yet, these sources are the economic engines that contribute to our community’s economy and workforce. Making Wilmington unique and...“The Heart of the Harbor!”- Maribel Alejandre, SBCC Thrive LA*

*“I/We live in the mists of the largest port complex in the United States, the Port of Los Angeles and the Port of Long Beach and in the shadows of four major oil refineries in our community. We have few clear skies days and never a pollution free day due to air pollution from ships, trucks, trains, cargo handling and oil refining.” – Jesse Marquez, Coalition For A Safe Environment*



*“Serving on the CSC for Wilmington, Carson, and West Long Beach has given both residents, community groups and businesses an opportunity to learn and understand various impacts to air quality. Our efforts will create a path forward to reduce emissions and sustain healthy and economically vibrant communities.” – Lupe Valdez, Union Pacific Railroad*

## References

1. Office of Environmental Health Hazard Assessment (2014), California Communities Environmental Health Screening Tool, Version 2.0.  
<https://oehha.ca.gov/media/CES20FinalReportUpdateOct2014.pdf>, Accessed June 12, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK



## Chapter 2: Community Outreach, Community Steering Committee and Public Process

### Introduction

Community engagement and a public process were integral parts of the Community Emissions Reduction Plan (CERP) development effort. Key features of the outreach efforts include establishing a Community Steering Committee (CSC), holding monthly meetings that were also live-streamed on the internet, during which, South Coast AQMD and CARB staff, and CSC members made presentations, provided providing materials via email and on the internet a webpage, live streaming all CSC meetings, and established establishing a Technical Advisory Group. In addition, numerous interactions between CSC members and South Coast AQMD staff occurred in one-on-one or small group meetings allowing for in-depth discussions on joint development and creation of the CERP.

### Chapter 2 Highlights

- The Community Steering Committee and Technical Advisory Group worked with staff to develop the CERP
- Monthly meetings were held in the community to engage the CSC and public
- The Community Liaison served as the point of contact
- Additional one-on-one, small group, and community meetings also played an important part in community engagement
- A Community Webpage was created as an information portal

### Community Liaisons

A Community Liaison from the South Coast AQMD was designated for the Wilmington, Carson, ~~and~~ West Long Beach community. The Community Liaison served as the point of contact to communicate with members of the CSC and members of the public to address any concerns regarding logistics and implementation of the CERP and Community Air Monitoring Plan (CAMP) (Figure 2-1). Community Liaisons ensure communication throughout the process of designing and implementing the Program and to work with community members to identify the best ways to make information accessible and user-friendly. The South Coast AQMD Community Liaison for this community is Ryan Stromar ([rstromar@aqmd.gov](mailto:rstromar@aqmd.gov)). In addition, Nicole Silva

Figure 2-1: Community liaisons assisting CSC members of the public





([nsilva@aqmd.gov](mailto:nsilva@aqmd.gov)) and Dianne Sanchez ([dsanchez@aqmd.gov](mailto:dsanchez@aqmd.gov)) serve as the South Coast AQMD staff contacts for CERP-related input.

## Community Meetings

Community meetings were hosted by South Coast AQMD staff on an approximately monthly basis in the community. This included one kick-off meeting, and a series of CSC meetings.

### Community Kick-Off Meeting

In October 2018, kick-off meetings were held in each of the communities within the South Coast AQMD designated by CARB to be included in Year 1 of the AB 617 Program. During these meetings, the role of the CSC was explained by South Coast AQMD staff. The CSC provides input and guidance to design actions for the community, for integration into the Community Emissions Reductions Plan (CERP) as well as the Community Air Monitoring Plan (CAMP). Community members had an opportunity to fill out an Interest Form during the kick-off meeting to express their interest in being a CSC member, and were then notified by mail or by phone if they were selected as a member or an alternate.

The Community Kick-Off Meeting in the Wilmington, Carson, West Long Beach community was held on Tuesday October 2, 2018 at the Wilmington Senior Center (Figure 2-2).

Approximately 120 people attended the meeting. In addition to information about AB 617, attendees were invited to visit a variety of information booths, which provided information about some existing South Coast AQMD programs, including refinery fenceline and community air monitoring, community air measurement efforts, and incentive programs. Staff from Aclima, Inc.

([www.aclima.io](http://www.aclima.io), a technology company that is conducting air monitoring in the community), as well as representatives from the local YMCA and Rotary Club, also provided information at the kick-off meeting booths.

Figure 2-2: Community kick-off meeting in Wilmington



### Community Steering Committee (CSC)

A steering committee (Figure 2-3 and Figure 2-4) was formed for the Wilmington, Carson, West Long Beach community, and monthly meetings were organized, typically on Thursday evenings, in locations within the community. All meetings were open to the public.

### CSC Roster

CSC membership is comprised of stakeholders with community knowledge to help drive community action. The CSC creates a way to incorporate community expertise and direction in the development and implementation of clean air programs in each community. Staff will continue to seek recommendations and feedback from the CSC as the CERP is being implemented, and adjust the outreach approaches as needed to be even more effective.

Figure 2-3:- Community Steering Committee in Wilmington



Figure 2-3:- Community Steering Committee meeting in West Long Beach



The CSC roster for the Wilmington, Carson, and West Long Beach community is provided in ~~Table 2-1~~ ~~Table 2-1~~ below. This CSC has 34 primary members, and 21 alternate members. While 12 primary and 5 alternate members are on the roster representing Active Residents, an additional 8 primary and 2 alternates also reside within the community. The roster with member biographies is available on the webpage: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/roster-with-bios.pdf>. The attendance at each CSC meeting is reflected in the Meeting Summaries that are posted on the webpage.

Table 2-1: CSC Roster for Wilmington, Carson, West Long Beach Community

Affiliation	Primary Member	Alternate Member
<b><u>Community Organization</u></b>		
Century Villages at Cabrillo	Jeffery Tate	
Coalition for a Safe Environment	Jesse Marquez	Rick Pulido
Communities for a Better Environment	Alicia Rivera	Ashley Hernandez
Long Beach Alliance for Children with Asthma	Sylvia Betancourt	Maria Reyes
Los Cerritos Neighborhood Association	Gary Hamrick	Joe Hower
Philippine Action Group for the Environment	Fe P. Koons	Jesse Koons
SBCC Thrive LA	Maribel Alejandre	Leticia Herrera
<b><u>Active Resident (city indicated below)</u></b>		
Carson	Daniel Toledo	
Carson	Sergio Franco	
Carson	Joseph Luis Piñon	Yasaman Houshang
Carson	William Koons	
West Long Beach	Christopher Chavez	Pastor Anthony Quezada
West Long Beach	Jacob Broderick	Emelio Ramirez
West Long Beach	Ron Batiste	
West Long Beach	Whitney Amaya	
Wilmington	Salvador Lara	Victor Ibarra
Wilmington	Flavio Mercado	
Wilmington	Dulce Altamirano	
Wilmington	Magali Sanchez-Hall	Sylvia Arredondo
<b><u>Agency, School, University or Hospital</u></b>		
City of Carson	Saied Naaseh	McKina Alexander
City of Los Angeles	Uduak-Joe Ntuk	Erica Blyther
Gulf Avenue Elementary School	Linda Bassett	Esperanza Romero
LA County Public Health	Matt Baca	Janet Scully
Long Beach Public Health	Nelson Kerr	Judeth Luong
Long Beach Unified School District	Brooke Murray	

Port of Los Angeles	Tim DeMoss	Conor Langlois (previously Amber Colusso)
University of Southern California	Jill Johnston	
<b>Business, Business Organization, or Labor Organization</b>		
Carson Chamber of Commerce	John Wogan	Kenneth Dami
Long Beach Area Chamber of Commerce	Jeremy Harris	Brissa Sotelo
Wilmington Chamber of Commerce	Dan Hoffman	Cecilia Moreno
Refinery – Marathon	Olga Chavez	Susan Stark
Rail - Union Pacific	Lupe Valdez	<u>Peter Okurowski</u>
Trucking - Yusen Logistics	Cameron D. Smith	Nikki Nguyen
Labor - USW Local 675	Pat Patterson	

## CSC Meeting Schedule

Table 2-2: Meeting Schedule for Wilmington, Carson, West Long Beach CSC

Meeting #	Date and Location	Approximate # of Attendees
1	October 30, 2018 <b>Wilmington Senior Center, Wilmington</b>	100
2	January 10, 2019 <b>Carson Community Center, Carson</b>	60
3	February 12, 2018 <b>Wilmington Senior Center, Wilmington</b>	100
4	March 14, 2019 <b>Wilmington Senior Center, Wilmington</b>	80
5	April 11, 2019 <b>Villages at Cabrillo, Long Beach</b>	85
6	May 9, 2019 <b>Carson Event Center, Carson</b>	80
7	June 2019 <del>Location</del> <b><u>Wilmington Senior Center, Wilmington</u></b>	<u>100</u>
8	July 2019 <del>Location</del> <b><u>Wilmington Senior Center, Wilmington</u></b>	<u>150</u>
9	August 2019 <del>Location</del> <b><u>Carson Community Center, Carson</u></b>	<u>100</u>
10	September 2019 <del>Location</del> <b><u>Wilmington Senior Center, Wilmington</u></b>	



### CSC Charter

A charter was developed for the CSC and a draft was presented to members at Meeting #1. CSC members provided comments and the feedback received was included in the revised charter. The final charter is provided on the webpage here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/charter-english.pdf?sfvrsn=8>

### Meeting Facilitator

Beginning in March 2019, the CSC meetings were facilitated by Valerie Martinez of VMA Communications ([www.vmapr.com](http://www.vmapr.com)). VMA staff also attended meetings to help with meeting facilitation.

### Social Media Report

Staff received a suggestion from one CSC member to live-stream meetings on social media in order to engage youth who use this technology, and who may not be able to attend the meetings in person. All CSC meetings were subsequently live-streamed using Facebook Live shown in [Figure 2-5](#). The links to the live-stream recording were also posted on the community webpage, so that members who could not attend or view the meeting live could view the recorded video of the meeting. Each video received approximately more than 100 views.

Figure 2-5: Screen shot of Facebook Live recording in Wilmington

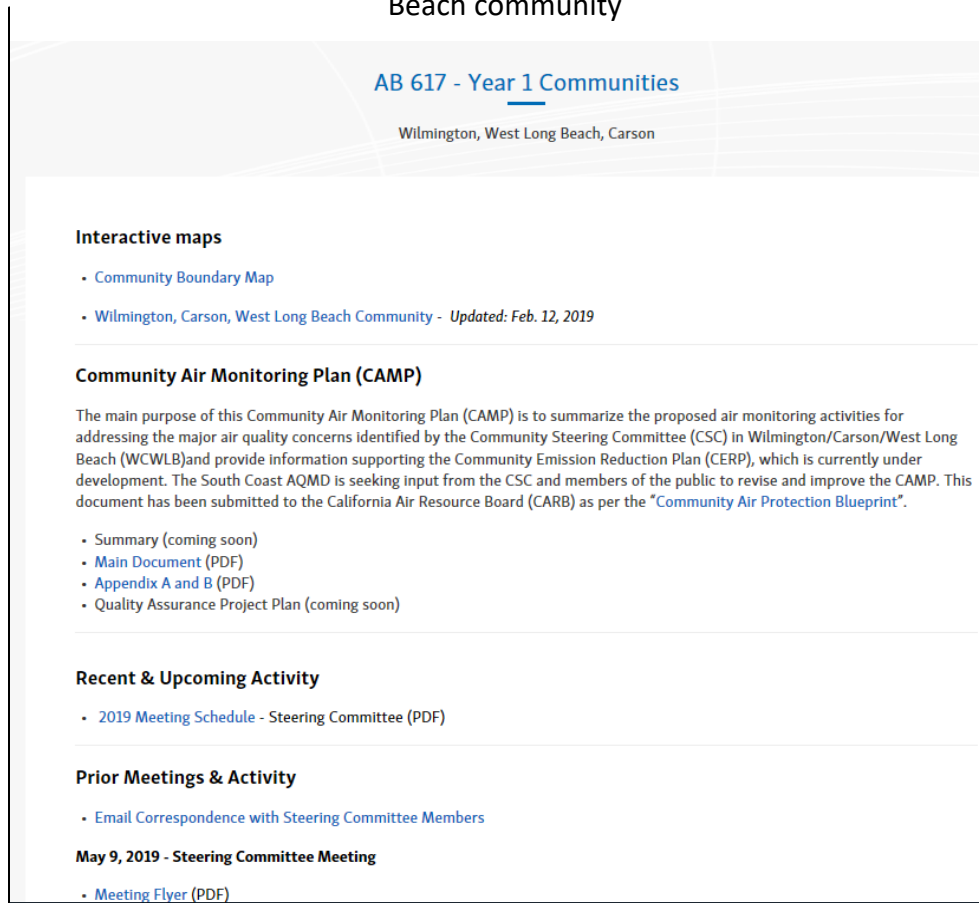


## Community Webpage

A community webpage was created for the Wilmington, Carson, West Long Beach AB 617 community. The webpage included information about upcoming meetings, meeting materials (flyers, agendas, presentations, handouts, live stream links, meeting summaries), interactive maps, the CSC roster, charter bios, and membership process, and the CAMP and CERP documents. Webpage: <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm>

For increased transparency, emails sent to the CSC were also posted on the webpage. All flyers, agendas, social media posts, presentations, handouts, and emails to the CSC were made available in English and Spanish. A screen shot of the community webpage is shown in [Figure 2-6](#).

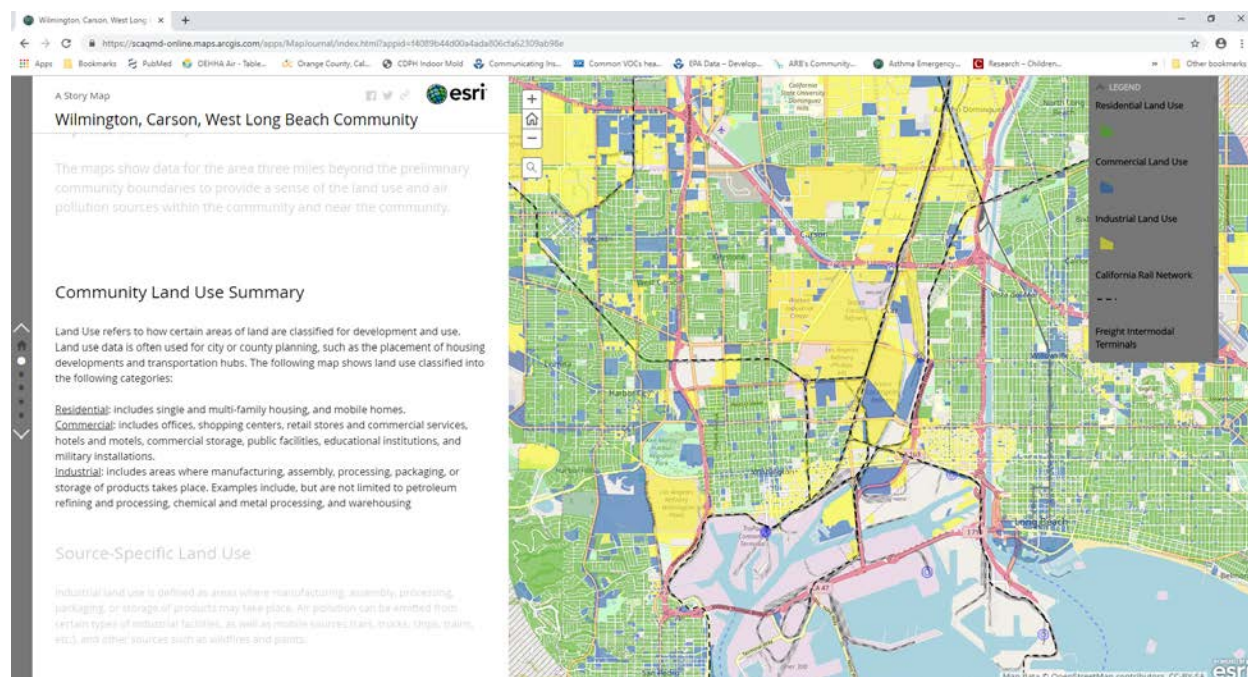
Figure 2-6:- Community webpage for the Wilmington, Carson, West Long Beach community



In addition to being a portal for access to meeting materials and documents, the webpage also includes interactive maps that present data about the community. [Figure 2-7](#) is an example of an interactive map that was created for the Wilmington, Carson, West Long Beach community.

These interactive maps provide data on land use, locations of facilities, schools, hospitals, and daycare centers, and the air quality concerns identified by the CSC and members of the public. This information was provided to help inform air quality priorities for the CERP.

Figure 2-7: Interactive map showing land use in the Wilmington, Carson, West Long Beach community



### Community Bus Tour and Committee Presenters

A critical part of CERP is development and implementation collaboration with CSC members and the agencies, organizations, businesses, or other entities that they represent. A Community Bus Tour was organized as a collaboration between CSC members and South Coast AQMD staff. The tour took place on August 9, 2019. Approximately forty participants attended, including CSC members, South Coast AQMD staff, and CARB staff (see Figure 2-8). The tour engaged participants in learning the effects of air pollution and the environmental justice in this community by visiting neighborhoods that are directly impacted by industrial facilities and transportation corridors.



Figure 2-8: Wilmington, Carson, West Long Beach Community Bus Tour with CSC members, South Coast AQMD, and CARB



Committee members were also invited to share their work that is complementary to the actions being developed in the CERP, such as programs carried out by their organization that help address air quality issues in the community.

At the April 2019 CSC Meeting, Uduak-Joe Ntuk (City of Los Angeles) presented information about the City's work to address resident concerns about neighborhood oil drilling sites.

At the May 2019 CSC Meeting, Dulce Altamirano (Wilmington resident) opened the meeting with an "icebreaker" that she invented, where committee members paired off and gave each other an item to keep. The committee members described their experience in this exchange and the fun of finding a small object they had with them in the moment. Alicia Rivera (Communities for a Better Environment) and Christopher Chavez (Coalition for Clean Air) made presentations highlighting their

Figure 2-89: Alicia Rivera presented at the May 2019 CSC meeting





Figure 2-9: Chris Chavez presented at the May 2019 CSC meeting



organizations' efforts to address air quality concerns in the community (Figures 2-9 and 2-10). ~~Figure 2-8 and Figure 2-9).~~

At the June 2019 CSC Meeting, Tim DeMoss (Port of Los Angeles) presented on the Port's clean air efforts and the Clean Air Action Plan. Additionally, Jesse Marquez (Communities for a Safe Environment) discussed community air monitoring efforts.

At the July 2019 CSC meeting, Susan Stark (Marathon Petroleum) discussed Marathon's role in the community and its clean air efforts.

## Technical Advisory Group

In February 2019 the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution, air monitoring and other technical analysis needed to develop the Community Air Monitoring Plans and Community Emissions Reduction Plans for AB 617 implementation. The TAG meets on an approximately quarterly basis during the CERP and CAMP development process. Topics discussed include air monitoring equipment and laboratory capabilities, methodology and data sources for developing an air toxics emissions inventory at a community scale, methodology for forecasting emissions in future years, and methodology for modeling air toxics levels across geographical areas. Table 2-3 shows the 2019 TAG meeting schedule. All meetings were held at the South Coast AQMD headquarters building, which is a location approximately in the middle of the three Year 1 communities. All meetings were webcast on South Coast AQMD's webpage at the [www.aqmd.gov](http://www.aqmd.gov) webpage, and webcast attendees could email questions to be answered during the meeting.

The majority of these technical considerations apply to all three AB 617 communities designated in Year 1 and consequently the Technical Advisory Group includes up to 3 members from each CSC, and additional technical experts from academia, research institutes, and governmental agencies (the current roster is provided in Table 2-4 below). When additional communities are designated for the AB 617 program, representatives from those CSCs will also be added to the Technical Advisory Group. The webpage for the Technical Advisory Group is available at this link:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/technical-advisory-group>

Table 2-3: Technical Advisory Group meetings in 2019

Meeting #	Date	Approximate Attendees
1	February 27, 2019	45
2	May 29, 2019	45
3	July 18, 2019	40

Table 2-4: Roster for the AB 617 Technical Advisory Group

Participant	Affiliation	Community
Jesse Marquez	Coalition for a Safe Environment	Wilmington, Carson, West Long Beach
Flavio Mercado (Alternate for Jesse Marquez)	Active Resident from Wilmington	Wilmington, Carson, West Long Beach
Jill Johnston	University of Southern California	Wilmington, Carson, West Long Beach
Uduak-Joe Ntuk	City of Los Angeles	Wilmington, Carson, West Long Beach
Tim DeMoss (Alternate for Uduak-Joe Ntuk)	Port of Los Angeles	Wilmington, Carson, West Long Beach
Ryan Sinclair	Loma Linda University	San Bernardino, Muscoy
Andreas Beyersdorf	California State University, San Bernardino	San Bernardino, Muscoy
Tammy Yamasaki	Southern California Edison	San Bernardino, Muscoy
Hector Garcia	Our Lady of Victory	East LA, Boyle Heights, West Commerce
Marisa Blackshire	BNSF	East LA, Boyle Heights, West Commerce
Rafael Yanez	Active Resident	East LA, Boyle Heights, West Commerce
Manuel Pastor	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Madeline Wander (Alternate for Manuel Pastor)	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Scott Fruin	Univ. Southern California, Preventive Medicine	Technical Expert
Cesunica (Sunny) Ivey	UC Riverside	Technical Expert

Participant	Affiliation	Community
Luis Portillo	Inland Empire Partnership	Technical Expert
Ken Davidson	US EPA Region 9 Air Division, Air Toxics, Radiation, and Indoor Air	Technical Expert
Janet Whittick	California Council for Environmental and Economic Balance (CCEEB)	Technical Expert
Melissa Lunden	Aclima	Technical Expert

## Additional Community Engagement

In addition to establishing the CSC and convening monthly meetings, South Coast AQMD staff conducts one-on-one or small group meetings with members, and attends meetings led by various community organizations. These meetings give CSC members an opportunity to provide input or address concerns directly with staff. Additionally, these meetings give staff an opportunity to answer questions and clarify information requested from CSC members. By attending meetings led by community organizations, staff can gain a better understanding of the unique issues faced by each community.

Broader public engagement is also important to the AB 617 program. Suggestion boxes provided at the CSC meetings allows CSC members, as well as the general public, to provide input and suggestions on the AB 617 process (Figures 2-11 and 2-12~~Figure 2-10~~). Staff reviews the comments after each CSC meeting, and responds as needed. Anonymous submissions are accepted. In addition, a Community Affairs Table at the CSC meetings provides a space for community members to share flyers and handouts about events and programs happening in the community.

Figures 2-11 and 2-12~~2-10~~:- Suggestion box and signs for a CSC meeting in West Long Beach



Throughout the development of the CERP, community liaisons and other staff met with community members, environmental justice organizations, industry and other stakeholders to

provide assistance and/or prompt response to concerns raised about the CSC process. Community liaisons also attended invited meetings from local organizations, environmental justice groups, city and county government to promote participation in the development and implementation of the CERP. Staff attended more than 5 meetings hosted by other entities in this community to give presentations on AB 617 CERP development, and had more than 35 in-person or phone meetings with CSC members to discuss the CSC process and seek input on CERP actions. South Coast AQMD staff will continue to work with the CSC to implement the CERP actions and provide periodic community updates on the progress of implementing the plan. Community engagement is essential to the success of the CERP as well as the AB 617 program as a whole, and all parties are committed to build and improve upon existing outreach efforts in the coming months and years.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

# Chapter 3a: Community Profile

## Introduction

It is essential to understand the characteristics of a community and the profile of air pollution sources in order to address community air quality priorities. The following community profile provides a general overview of the Wilmington, Carson, West Long Beach community, including the types of air pollution impacting the community, and a characterization of public health and socioeconomic factors. In addition, this section includes information about the community boundary that reflects input from the Community Steering Committee (CSC); a summary of the air pollution concerns identified by the community; and the air quality priorities based on CSC and public input. These air quality priorities are addressed in the Community Emissions Reduction Plan (CERP) actions described in Chapter 5.

Chapter 3a Highlights

- The community profile is based upon input from the Community Steering Committee throughout the CERP development process
- The Community Steering Committee identified the top air quality priorities to be addressed in the CERP
- Data on land use; toxic air pollution impacts; public health factors; and both social and economic factors in the community provide useful background information
- Information about the sources of air pollution in the community is presented in a “source attribution” analysis (Chapter 3b)

## Community Boundary, Air Quality Concerns, and Air Quality Priorities

During monthly CSC meetings, committee members, members of the public, and South Coast AQMD staff worked together to shape the elements and actions described in this Plan. Topics discussed with the CSC include:

- What should be the community **boundaries** for the AB 617 community plans?
- What **air quality concerns** does the community have?
- What are the top **air quality priorities** that the community would like to address through the AB 617 CERP?
- What **priority actions** should be included in the CERP?
- What should the **goals** for the priority actions include?
- Additional **feedback on the Draft CERP**

The process is summarized in Table 3a-1. CSC members discussed which geographic areas should be included within the community boundary (Figure 3a-1). The Wilmington, Carson, West Long Beach CSC preferred to have a single community boundary line, which includes air pollution sources (e.g., facilities and major truck routes) as well as places where children, people with existing health problems, and other community members spend time (e.g., schools, residential areas, community centers, hospitals, etc.). Regions within and near the community boundary will benefit from the emissions reductions within the boundary.



The CSC and members of the public participated in an interactive mapping activity to identify community air quality concerns which were posted on the webpage.<sup>i</sup> CSC members also provided additional air quality concerns by email and other conversations; these concerns were added to the map shown (Figure 3a-1) and listed (~~Figure 3a-2~~ Table 3a-2). A list of additional concerns were posted to the webpage.

Air quality concerns were grouped into categories (e.g., refineries, truck traffic, oil and gas extraction, etc.) and CSC members, as well as the public prioritized the top air quality concerns to be addressed through AB 617 community plans. CSC members were invited to provide ideas and input on CERP actions and also meet with South Coast AQMD staff to draft CERP actions together. The highest priority actions were included in the draft CERP based on input from the CSC members.

The work to implement the CERP and Community Air Monitoring Plan (CAMP)<sup>1</sup> is dynamic, thus certain action items have been written with built-in flexibility to permit necessary adjustments as new information becomes available. South Coast AQMD staff is committed to working with CSC members to evaluate ongoing actions and progress.

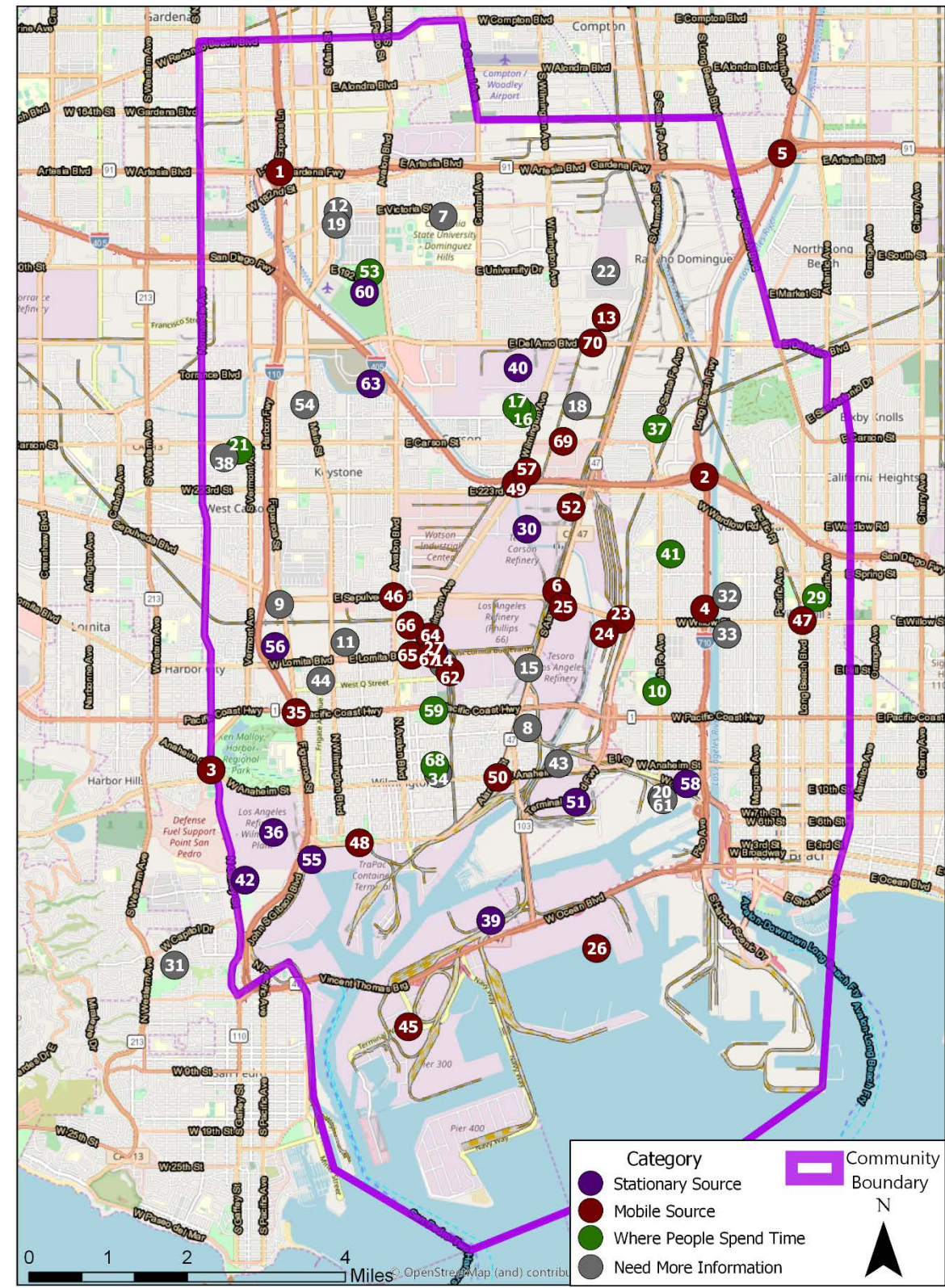
---

<sup>i</sup> Interactive map of air quality concerns in the Wilmington, Carson, West Long Beach community: <https://scaqmd-online.maps.arcgis.com/apps/View/index.html?appid=534f48ca127c430abb1a5f4f6e86cf00&extent=-118.5536,33.6686,-117.8945,33.9359>

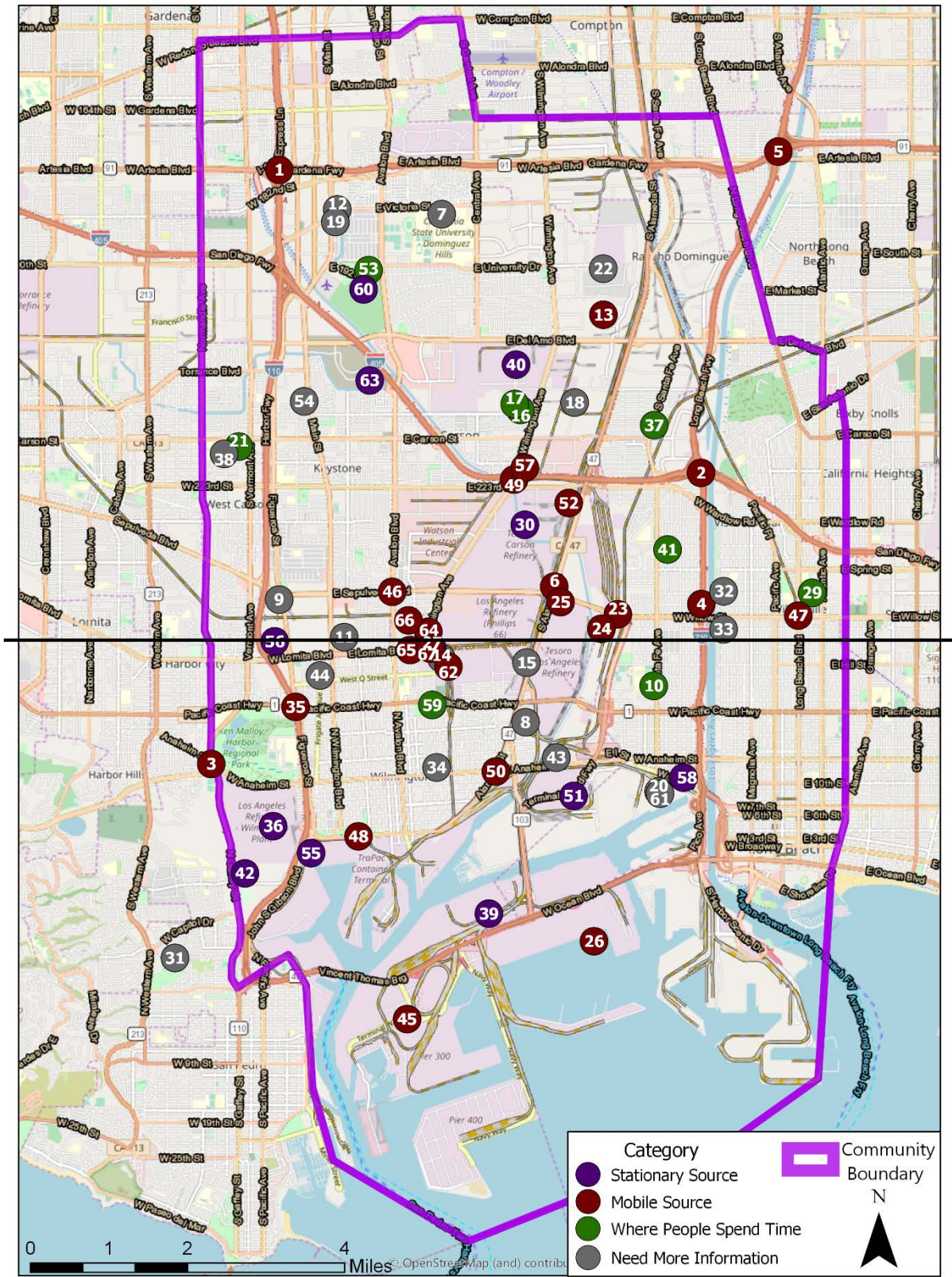
Table 3a-1: Process of CSC input on CERP elements

CSC Meeting	Discussion Topic(s)	CSC Input	How this CSC input was used in the CERP development process?
#1 November 2018	Community Air Quality Concerns and Community Boundary	Refined community <b>boundaries</b> . Identified community air quality <b>concerns</b> . <u>Outcome</u> : List of air quality concerns	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5). <b>Concerns</b> were prioritized for inclusion in Plans (see Meeting #3).
#2 January 2019	Community Boundary	Refined <b>community boundaries</b> . <u>Outcome</u> : Community boundary	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5).
#3 February 2019	Air Quality Concern Prioritization	Prioritized which concerns would be addressed in Plans. <u>Outcome</u> : Air quality priorities	Actions were developed for <b>air quality priorities</b> (Meetings #4 and #5).
#4 March 2019	Strategies & Proposed Actions (Part 1)	Ideas for <u>possible CERP actions</u> were <u>discussed</u> <del>can be written into the Plans</del> . Staff <del>will</del> <u>worked</u> with CSC members to write CERP actions.	Feedback on actions were used to develop the list of <b>priority actions</b> (Meeting #6).
#5 April 2019	Strategies & Proposed Actions (Part 2), Draft CAMP, and Draft CERP Table of Contents & Action Template	<u>Outcome</u> : Draft focused list of actions for CERP	
#6 May 2019	Focused list of CERP Actions (“priority actions”)	Provided feedback on which <b>priority actions</b> should be included in CERP. <u>Outcome</u> : List of priority actions for CERP	Feedback on actions were used to finalize the list of <b>priority actions</b> to be included in the <b>Draft CERP</b> .
#7 June 2019	Draft CERP, Goals for each CERP Action (Part 1)	Feedback on <b>Draft CERP</b> . Ideas for specific goals for each CERP action. <u>Outcome</u> : Revised Draft CERP	Feedback on <b>Draft CERP</b> and ideas for specific goals will be used to inform the <b>Draft Final CERP</b> in the Board package.
#8 July 2019	Goals for each CERP Action (Part 2)		
#9 August 2019	Final Discussion of Draft CERP	<b>Final revisions</b> for Draft CERP before it is submitted to South Coast AQMD Board for consideration. <u>Outcome</u> : Draft Final CERP and Appendices	Final comments to be addressed in <b>Draft Final CERP</b> that is part of the Board package.

Figure 3a-1: Map of air quality concerns identified by the Wilmington, Carson, West Long Beach CSC and members of the public







**Figure-Table 3a-2: List of air quality concerns identified by the Wilmington, Carson, West Long Beach CSC and members of the public**







Label	Concern Name	Category	Label	Concern Name	Category
1	110/91 and 405/710 Fwy	Mobile Source	35	On/Off Ramp Traffic	Mobile Source
2	110/91 and 405/710 Fwy	Mobile Source	36	Phillips 66	Stationary Source
3	5 Points Intersection	Mobile Source	37	Rancho Dominguez High School	Sensitive Receptor
4	710 Freeway	Mobile Source	38	Rosecrans oil fields	Stationary Source
5	91/710 Fwy	Mobile Source	39	SERRF - Waste to Energy	Stationary Source
6	Alameda corridor	Mobile Source	40	Shell Tank Farm	Stationary Source
7	Alondra, Storage Container	More Info Needed	41	Silverado Park	Sensitive Receptor
8	Asphalt Plant	More Info Needed	42	Storage tanks – Rancho LPG Holdings	Stationary Source
9	Bixby Marshlands	More Info Needed	43	Sulfur pile	Stationary Source
10	Cabrillo High School	Sensitive Receptor	44	Susceptible Residential Area	Sensitive Receptor
11	Carousel Tract	Need More Info	45	Terminal Island	Mobile Source
12	Carson Logistics	Need More Info	46	Traffic - Sepulveda/Avalon	Mobile Source
13	Carson warehousing district	Mobile Source	47	Traffic East of Transportation Corridor	Mobile Source
14	Chemical Facility	Stationary Source	48	Truck traffic - Harry Bridges	Mobile Source
15	Chemical Storage	Stationary Source	49	Truck traffic - 405/Wilmington	Mobile Source
16	Del Amo Elementary	Sensitive Receptor	50	Truck traffic – Terminal Isl. Fwy	Mobile Source
17	Dolphin Park	Sensitive Receptor	51	Valero Refinery	Stationary Source
18	Dominguez Tech/Distribution Area	Need More Info	52	Ventura Transfer	Mobile Source
19	Expanding oil wells	Need More Info	53	Victoria Park	Sensitive Receptor
20	Port - Fueling terminals	Need More Info	54	Waste Management Transfer Station	Mobile Source
21	Harbor UCLA Hospital	Sensitive Receptor	55	Wastewater discharge point into harbor	Stationary Source
22	Hazardous Material Sources	Stationary Source	56	Wastewater treatment facility	Stationary Source
23	ICTF	Mobile Source	57	Warehouses, Watson Land Corps	Mobile Source
24	Intermodal facilities	Mobile Source	58	Wilmington oil fields	Stationary Source
25	Kinder Morgan	Mobile Source	59	Wilmington Senior Center, Cemetery	Sensitive Receptor
26	LA/Long Beach Port	Mobile Source	60	Victoria Golf Course	Sensitive Receptor
27	Cement/Gravel Yard – Sir Mix Concrete Products	Stationary Source	61	Fueling Terminal	Need More Info
28	LGB	Outside Boundary	62	Rail – Along Eubank	Mobile Source

Label	Concern Name	Category	Label	Concern Name	Category
<b>29</b>	Miller Children's Hospital, LB Memorial Hospital	Sensitive Receptor	<b>63</b>	Macerich Development	Stationary Source
<b>30</b>	Marathon/Tesoro Refinery	Stationary Source	<b>64</b>	Wilmington Ave. at Rail Crossing	Mobile Source
<b>31</b>	Military installation	Stationary Source	<b>65</b>	E. Lomita Blvd.	Mobile Source
<b>32</b>	Oil drilling	Stationary Source	<b>66</b>	Lackme Ave. Near Rail Crossing	Mobile Source
<b>33</b>	Oil drilling	Stationary Source	<b>67</b>	Lomita Blvd./Eubank Ave. Truck Traffic	Mobile Source
<b>34</b>	Oil production facility	Stationary Source	<b>68</b>	<u>John Mendez Baseball Park</u>	<u>Sensitive Receptor</u>
			<b>69</b>	<u>Carson St. between Wilmington and Alameda</u>	<u>Mobile Source</u>
			<b>70</b>	<u>Del Amo Blvd. between Wilmington and Alameda</u>	<u>Mobile Source</u>

~~The South Coast AQMD develops and enforces air pollution regulations to reduce emissions, improve air quality, and protect public health. Many South Coast AQMD rules are related to a specific type of operation or pollution source. Figure 3a-3~~ Figure 3a-2 describes the number of facilities in this community that are subject to some key South Coast AQMD rules to control emissions from facilities processing metals. The figure also includes information about facilities that are in ~~key~~ important state and federal programs, which includes major sources of air pollution or other types of environmental pollution. Appendix 3a lists the RECLAIM facilities in this community that may be subject to Best Available Retrofit Control Technology (BARCT) and whether they are in the State cap-and-trade program. Appendix 3a also provides a list of facilities in the community that are in the ~~have prior and/or ongoing AB 2588 risk reduction plans program.~~



Figure 3a-32: Key stationary sources in the Wilmington, Carson, West Long Beach community, by regulatory program

	2 Facilities subject to Rule 1407 and/or 1420	<p><b>Rule 1407</b> reduces emissions of arsenic, cadmium, and nickel from metal melting operations</p> <p><b>Rule 1420</b> reduces emissions of lead from facilities</p>
	4 Facilities subject to Rule 1426	<b>Rule 1426</b> reduces emissions from facilities performing chromium, nickel, cadmium, lead or copper electroplating operations, or chromic acid anodizing
	10 Facilities subject to Rule 1469	<b>Rule 1469</b> reduces hexavalent chromium emissions from chromium electroplating and chromic acid anodizing operations
	54 Facilities in the AB2588 program	<b>Assembly Bill 2588</b> (AB2588) is a statewide program that focuses on reducing air toxics pollution from facilities, and requires facilities above certain levels to disclose and/or reduce risks
	78 Facilities subject to U.S. EPA Title V	The <b>U.S. EPA Title V program</b> is a permitting program that includes all major sources across the United States
	3 Sites in U.S. EPA Superfund program	The <b>U.S. EPA Superfund</b> program conducts environmental clean ups of some of the most contaminated land, and responds to environmental emergencies, oil spills, and natural disasters

The following air quality priorities for the CERP were identified by the CSC and members of the public for the Wilmington, Carson, West Long Beach community:

- Refineries
- Ports
- Neighborhood Truck Traffic
- Oil Drilling and Production
- Railyards
- Schools, Childcare Centers, and Homes – Exposure Reduction

Actions to address each of these air quality priorities are described in Chapter 5.

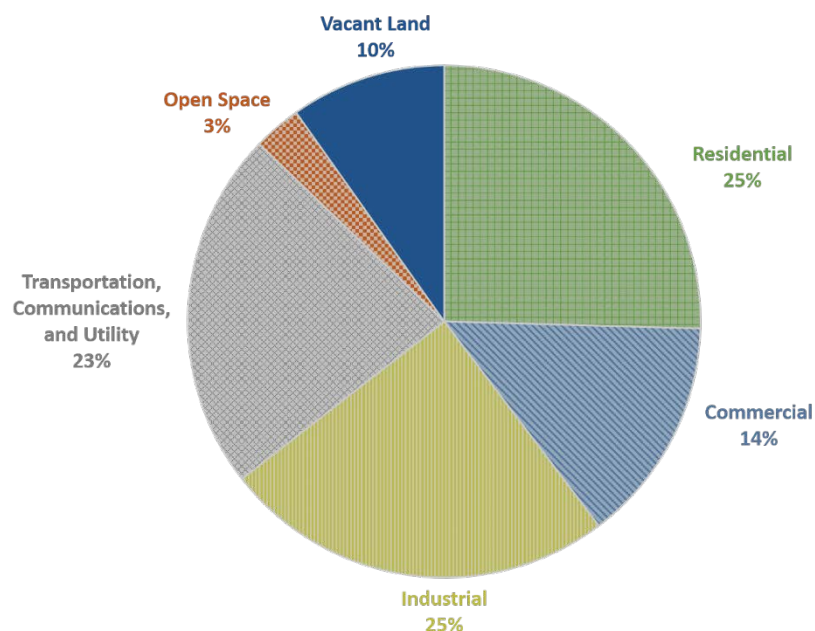
The South Coast AQMD and the California Air Resources Board (CARB) both develop and enforce air pollution regulations to reduce emissions, improve air quality, and protect public health. While CARB has primary authority over mobile sources, the South Coast AQMD has authority over stationary sources and “indirect sources”, which are facilities that attract mobile sources. Examples of indirect sources include warehouses and railyards. Specific information about ongoing rule development that is relevant to these air quality priorities is provided in Chapter 5.

### Community Air Pollution Profile and Related Data

Understanding what air pollution sources exist in the community and what air pollutants come from these sources helps identify key sources that can be addressed through CERP actions. This section presents data based on previous cumulative impact studies<sup>ii</sup> to describe the impacts of toxic air pollutants in this community, as well as other environmental pollution, public health factors, and social and economic factors that make people more sensitive or vulnerable to the health effects of pollution.<sup>2</sup>

The Wilmington, Carson, West Long Beach community is shown in Figure 3a-1. The land area of this community is 71.86 mi<sup>2</sup>. About 25% of this land area is used for residential living, 25% is zoned for industrial uses, and 23% is used for freeways, roadways, and land used for utilities and communications services (Figure 3a-4Figure 3a-3).<sup>iii</sup>

Figure 3a-43: Land use profile in Wilmington, Carson, West Long Beach



Air toxics are one group of air pollutants that can affect public health on a local community scale. ~~This includes~~ These pollutants include, but are not limited to from diesel exhaust, and metal particulate pollutants (e.g., hexavalent chromium, lead, arsenic, nickel, etc.), and gases (e.g., benzene, formaldehyde, etc.). The South Coast AQMD conducts the Multiple Air Toxics Exposure Study (MATES) every few years to understand the cumulative health impacts of air toxics in communities across the region. The most recently completed study was MATES IV, which was conducted in 2012-2013, and used air toxics monitoring, emissions inventories, modeling, and health risk assessment techniques to

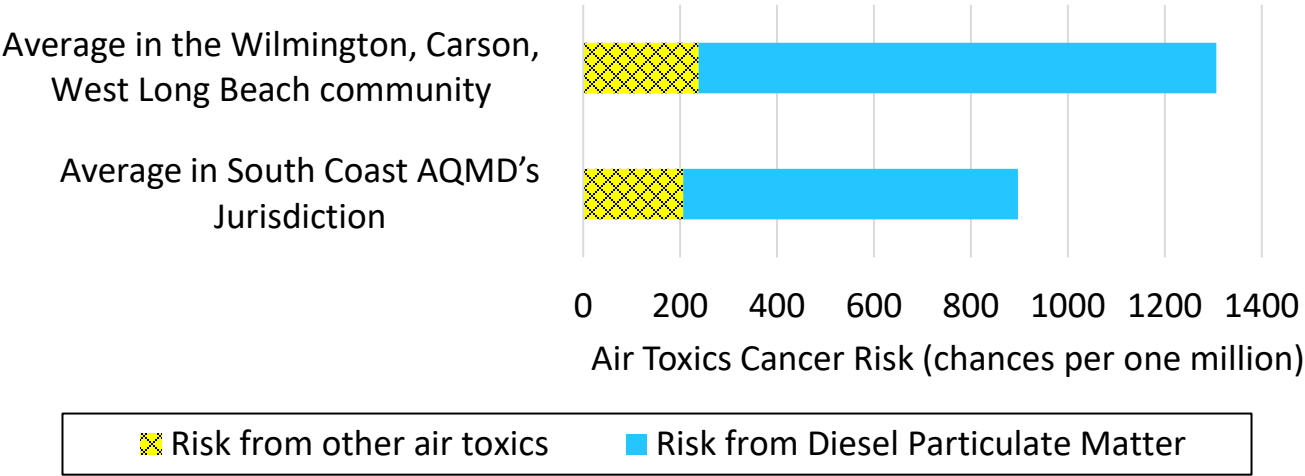
<sup>ii</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD's website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

<sup>iii</sup> Land use refers to how certain areas of land are classified for development and use. Land use data is often used for city or county planning, such as the placement of housing developments and transportation hubs. Land use data is derived from the 2016 Southern California Association of Governments (SCAG) Regional Transportation Plan/ Sustainable Communities Strategy, which is based on 2012 data.



calculate the cancer risk due to toxic air pollutants (“air toxics cancer risk”).<sup>iv</sup> MATES V is currently in progress. Based on MATES IV modeled data, approximately three-quarters of the air toxics cancer risk in the Basin is due to diesel particulate matter (Figure 3a-5Figure 3a-4). The air toxics cancer risk in the Wilmington, Carson, West Long Beach community is much higher than the average in the Basin, and it is also dominated by diesel particulate matter.

Figure 3a-54: Air toxics cancer risk, based on MATES IV modeled data

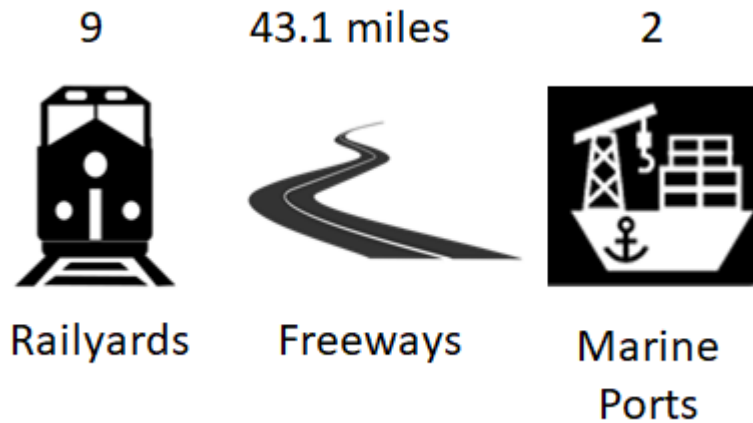


Mobile sources include trucks, ships, trains, cars, buses, and other mobile equipment. Much of this equipment is powered by diesel, which is the air toxic pollutant with the highest impact in this community. The community includes more than 40 miles of freeways, 2 marine ports (which are the two largest container ports in the United States), and 9 railyards,<sup>v</sup> including two railyards that are located near residential areas (Figure 3a-56).

<sup>iv</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD's website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

<sup>v</sup> Includes rail terminals, railroad facilities, and freight and passenger maintenance facilities.

Figure 3a-65: Diesel mobile sources in Wilmington, Carson, West Long Beach



Understanding the community's public health and socioeconomic profile helps to provide context for the work being done through this CERP. CalEnviroScreen 3.0 is a screening tool developed by the California Office of Environmental Health Hazard Assessment (OEHHA) that is used to identify communities that are most affected by various sources of pollution, and where people are especially vulnerable to the effects of pollution. The CalEnviroScreen 3.0 data show that this community has public health factors, as well as social and economic factors, that make the community more sensitive and vulnerable to the harmful effects of air pollution compared to statewide averages (~~Figure 3a-7~~ Figures 3a-6 and Figure 3a-8 3a-7). These data show that, on average, the Wilmington, Carson, West Long Beach community has generally worse public health factors and more social and economic disadvantages compared to California as a whole. The public health factors specifically show that this community has higher rates of emergency department visits for asthma and heart disease, and more babies born with a low weight in comparison to statewide averages.

Figure 3a-76: CalEnviroScreen 3.0 scores for public health factors in Wilmington, Carson, West Long Beach compared to statewide averages

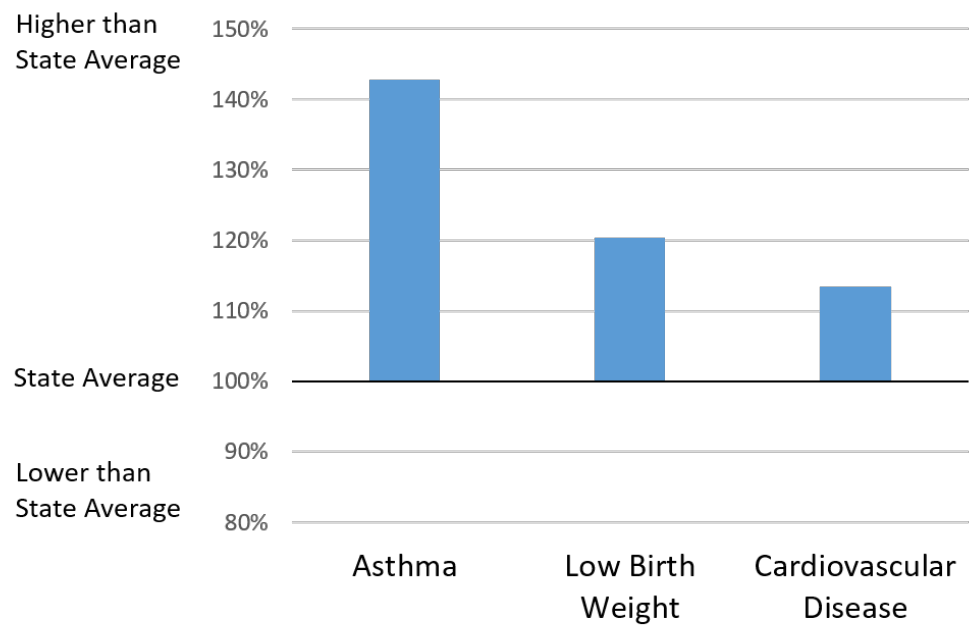
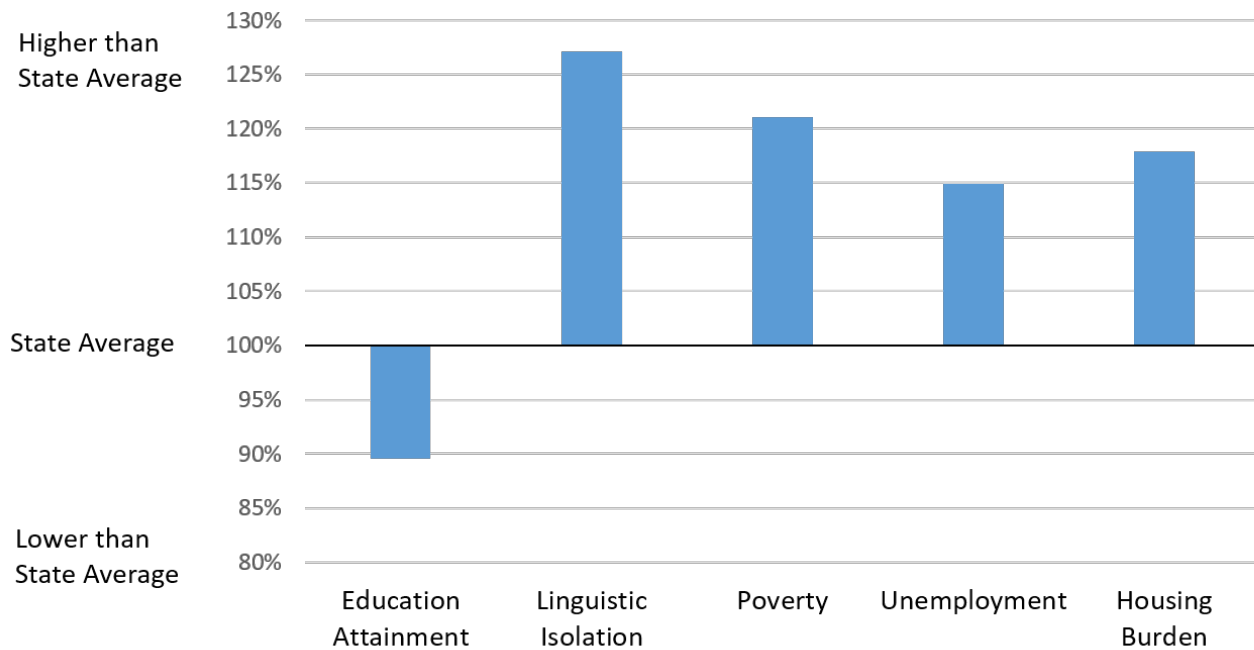


Figure 3a-78: CalEnviroScreen 3.0 scores for social and economic factors in Wilmington, Carson, West Long Beach compared to statewide averages<sup>vi</sup>



## References

1. South Coast AQMD, Community Air Monitoring Plan (CAMP) for the Wilmington, Carson, West Long Beach, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlw\\_camp.pdf](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlw_camp.pdf), Accessed July 2019.
2. Office of Environmental Health Hazard Assessment, CalEnviroScreen 3.0, <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>, Accessed June 2019.

<sup>vi</sup> The statewide average may not be at the 50<sup>th</sup> percentile because it is a population-weighted average. The average depends on both the distribution of population and the distribution of the number of each factor, and both these factors are not symmetrical.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 3B:

## COMMUNITY PROFILE SOURCE ATTRIBUTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 3b: Emissions Inventory and Source Attribution

### Introduction

The Community Emission Reduction Plan (CERP) identifies air quality priorities based on community input and from evaluating technical data on emission sources in the community. The Community Emissions Reduction Plan (CERP) needs to identify air pollution challenges that each community faces, and defines actions and strategies to reduce the emissions and exposure burden from sources of criteria air pollutants (CAPs) and toxic air contaminants (TACs). Identifying air quality priorities for the CERP is accomplished through listening to the community's input

and expertise, along with evaluating technical data on emission sources in the community. To accurately determine emission reductions from these actions and strategies, a baseline reference needs to be established. The baseline reference can be achieved through an emissions inventory that includes A rigorous accounting of sources and their resulting emissions is needed to produce an accurate emissions inventory that will serve as a baseline reference from which emission reductions can be measured. This rigorous accounting of sources, their emissions and their contribution to the cumulative exposure burden is what the CARB guidelines identify as the source attribution analysis. Per the direction in the CARB guidelines, source attribution is required to meet the following AB 617 statutory requirements:

### Chapter 3b Highlights

- Information about the sources of air pollution in this community is presented in a "source attribution" analysis
- Diesel particulate matter is currently the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources
- Other key air toxic pollutants in this community are 1,3-butadiene (mostly from the chemical industry) and hexavalent chromium (mostly from brake wear)
- Volatile organic compounds (VOCs) come primarily from petroleum refining and marketing
- In future years, overall diesel emissions increase due to increases in Ocean-Going Vessel (OGV) emissions, and continues to be the main driver of air toxics cancer risk in this community

*California Health and Safety Code § 44391.2 (b) (2) directs CARB to provide "[a] methodology for assessing and identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities..."*

The CARB guidelines recommended five potential technical approaches for the source attribution analysis. The options presented are: developing an emissions inventory, air quality modeling, targeted air monitoring/back trajectory/pollution roses/inverse modeling, chemical mass balance, and positive matrix factorization. Among these options, based on the availability of data and resources, this source attribution analysis employs the emissions inventory and air quality modeling analysis approaches to identify sources contributing to air pollution levels in the community, with an emphasis on identifying sources within the community (emissions



inventory). More information on source attribution methods is included in the Source Attribution Methodology report.<sup>1i</sup> The most recent air quality modeling analysis was conducted as part of the Multiple Air Toxics Exposure Study (MATES IV) in 2015, which showed that Diesel Particulate Matter (DPM) was the air pollutant that contributed most to the air toxics cancer risk in the South Coast Air Basin, with the Wilmington, Carson, West Long Beach (WCWLB) community having a higher air toxics cancer risk compared to the overall average (Figure 3b-5). A community-specific emissions inventory was developed for ~~criteria air pollutants (CAPs)~~ and TACs based on the most recent available datasets.

The WCWLB community contains some obvious sources of air pollution, including Ports of Los Angeles and Long Beach, which accommodates ocean-going vessels, commercial harbor craft, locomotives, cargo handling equipment and drayage trucks. More than 40 miles of freeways and nine rail yards are located within the community. This community also encompasses large stationary industrial sources, including five petroleum refineries, one sulfur recovery plant, and two hydrogen production plants. The source attribution analysis highlights that in the year 2017, off-road mobile sources were the predominant sources of DPM, with the major contributors being ocean-going vessels, off-road diesel equipment, heavy-heavy duty trucks, medium-heavy duty trucks, and trains. In this community, 1,3-butadiene has the second largest contribution to the community-wide air toxics cancer risk. 1,3-butadiene is emitted from point, area, off-road mobile and on-road mobile sources with industrial processes in point and area sources being the largest single industrial sector emitting this air toxic compound. Hexavalent chromium is the third largest contributor to community air toxics cancer risk, and the main sources are on-road mobile and fuel combustion process from petroleum refining among point sources. The analysis presented in this chapter provides further details on the sources of VOCs and PM<sub>2.5</sub>. Projected emissions in future years show decreases in DPM emissions, although DPM continues to be the main contributor to air toxics cancer risk. 1,3-butadiene, hexavalent chromium and benzene are the next major contributors in this community.

The community-level emissions and their sources are discussed in this ~~chapter report~~. The detailed methodology to develop these emissions is provided in the Source Attribution Methodology report<sup>ii</sup>.<sup>1</sup> ~~The following sections contain discussions about base~~Base year emissions ~~of CAPs and TACs and future year emissions of CAPs and TACs are provided in section 2. A summary of the information is provided at the end of the chapter. Future year emissions of CAPs and TACs are discussed in section 3, and a summary is provided in section 4.~~

<sup>i</sup> Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. [<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf?sfvrsn=8>]

<sup>ii</sup> Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. [<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf?sfvrsn=8>]

## Base Year Emissions Inventory and Source Attribution

### *Overall profiles of CAPs and TACs*

A variety of sources contribute to the emissions of criteria pollutants in the WCWLB community, with different sources emitting different types of air pollutant-species (Figure 3b-1). In this community, off-road mobile sources are the largest emitters of NO<sub>x</sub> (45%), with ocean-going vessels (OGV) being the largest contributor (Figure 3b-1). Point sources are the second largest contributors (29%) due to the presence of large facilities such as petroleum refineries, sulfur recovery plant and hydrogen production plants. On-road mobile sources also contribute significantly to NO<sub>x</sub> emissions, with the largest contribution from heavy duty trucks associated with goods transport across this community.

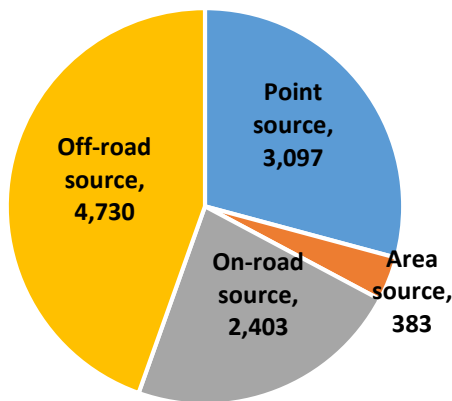
VOC emissions are mostly from area and point sources. Typically, consumer product is the largest single source of VOC emissions in the South Coast Air Basin, however, petroleum refining industry is the largest VOC emitter in this community. Approximately 32% of the total VOC emissions in this community are attributed to processes related to petroleum refining. The second largest contributor to the community VOC emission is consumer product. Off-road and on-road mobile sources account for marginal portions of the total VOC.

The largest contribution to PM<sub>2.5</sub> emissions in the WCWLB community originates from point sources, mostly from fuel combustion in industrial and petrochemical processes. Miscellaneous area sources, like commercial cooking, residential fuel combustion and paved road dust, also contribute to a large portion of PM<sub>2.5</sub> emissions. PM is also emitted from mobile sources via fuel combustion exhaust and tire and brake wear. It is important to note that ambient PM<sub>2.5</sub> concentrations in the community have decreased steadily in the past decades due to the reductions of PM<sub>2.5</sub> precursor emissions such as NO<sub>x</sub>, SO<sub>x</sub>, and VOC. Ambient PM<sub>2.5</sub> can be either formed through chemical reactions of its precursor pollutants or be emitted directly from sources. In the South Coast Air Basin, including in this community, the majority of ambient PM<sub>2.5</sub> is formed by secondary chemical reactions in the atmosphere rather than directly emitted PM<sub>2.5</sub> from local sources. Accordingly, although PM<sub>2.5</sub> emissions has decreased marginally over the past decade, the ambient PM<sub>2.5</sub> concentrations have been improved substantially.

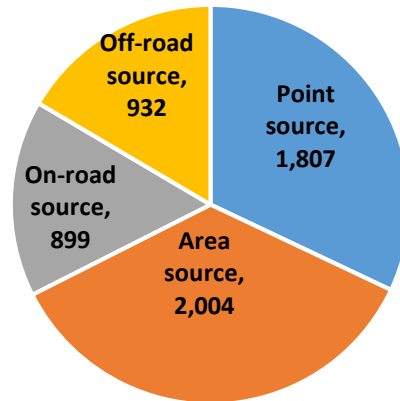
TAC emissions from point sources were compiled from the emissions reported by facilities. TAC emissions from area, on-road mobile, and off-road mobile sources were calculated using chemical speciation profiles applied to PM or TOG emissions. Details on the chemical speciation profiles are provided in a separate Source Attribution Methodology report. In total, 22 air toxic compounds were analyzed and included in this report. These compounds are consistent with the basic TACs that facilities subject to Annual Emissions Reporting (AER) requirements report to South Coast AQMD annually, except for chlorofluorocarbons (CFCs) and ammonia. CFCs do not have an associated cancer risk, and ammonia is a PM precursor, and therefore included in the CAPs emissions table.

Figure 3b-1: Contribution of major sources to NO<sub>x</sub> emissions, VOC emissions, PM<sub>2.5</sub> emissions in the Wilmington, Carson, West Long Beach community in 2017. Emissions are shown in tons/year

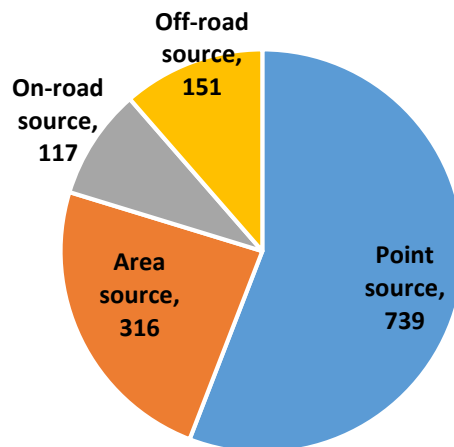
Wilmington, Carson, West Long Beach  
NO<sub>x</sub> in 2017 (tons/year)



Wilmington, Carson, West Long Beach  
VOC in 2017 (tons/year)



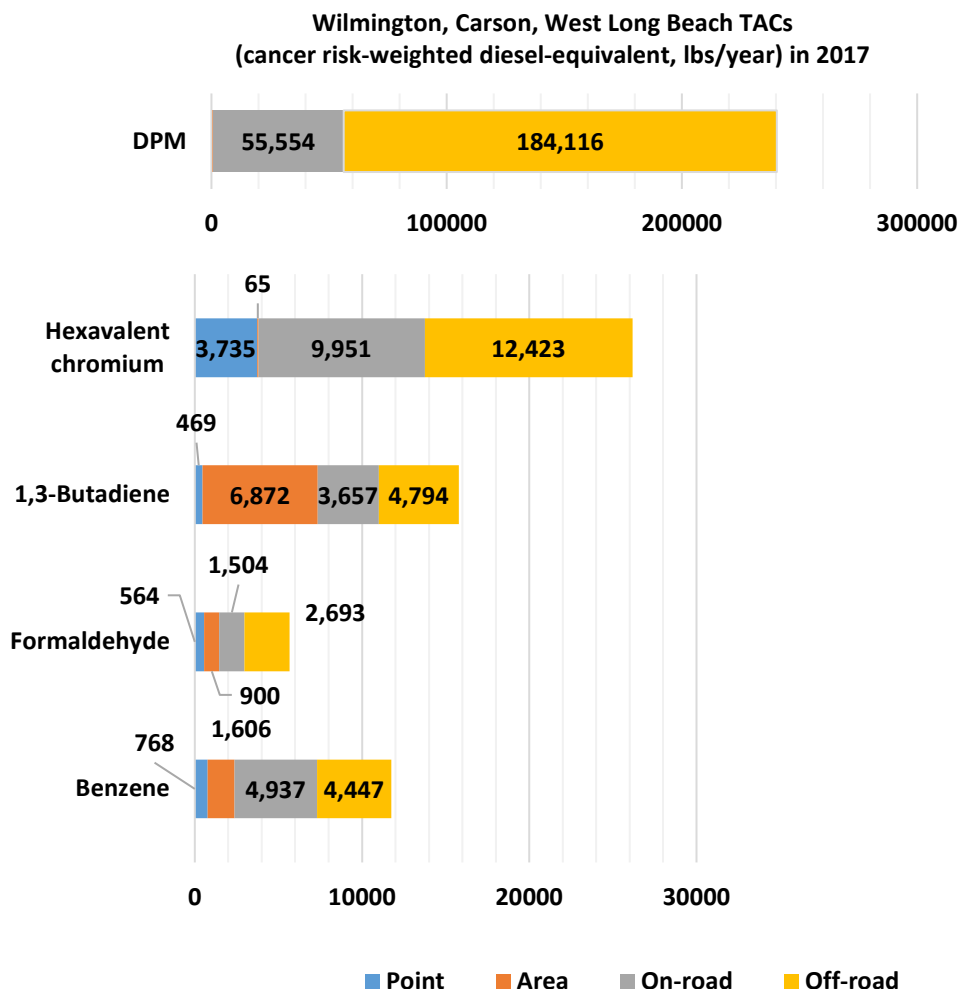
Wilmington, Carson, West Long Beach  
PM<sub>2.5</sub> in 2017 (tons/year)

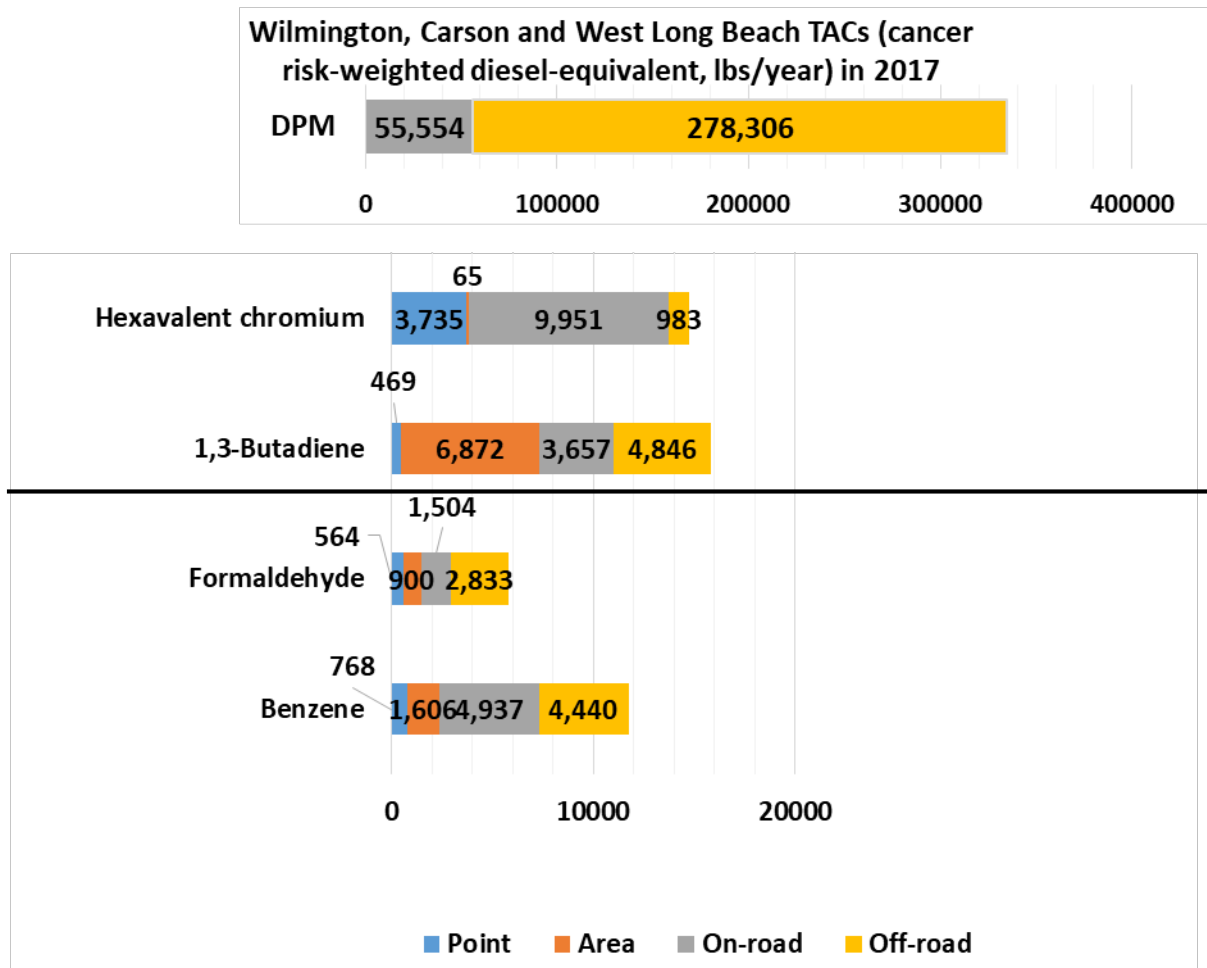


The contribution from point, area, on-road mobile and off-road mobile emission sources to TAC emissions in this community are presented in Figure 3b-2. Note that the emissions in the figure are weighted based on the air toxics cancer risk (hereafter referred to as cancer risk) of each TAC relative to the cancer risk for diesel PM (DPM). For example, Cr<sub>6+</sub> has a cancer risk that is approximately 464 times higher than that of DPM. Thus, Cr<sub>6+</sub> emissions are multiplied by 464 to estimate the cancer-risk-weighted emissions of Cr<sub>6+</sub>. The units in the cancer-risk-weighted DPM-equivalent emissions are expressed in pounds per year (lbs/year). This weighting approach

enables comparisons across the contribution of each TAC to overall cancer risk using a consistent, toxicity-weighted scale. Cancer risk factors are calculated using cancer potency and basin-average inhalation rates. Since the cancer-risk weighted factors are relative to the DPM risk factor, relative weighting factors using cancer risk should be equivalent to weighting factors calculated using cancer potency. However, due to precision and rounding errors, weighting factors using cancer risk might not be identical to the weighting factors calculated using cancer potency for some TACs. -Figure 3b-2 shows that DPM is the biggest contributor to the overall cancer risk in the community, followed by 1,3-butadiene, hexavalent chromium and benzene. Figure 3b-2 also shows the major source categories of these main TACs. DPM emissions in this community are almost entirely from mobile sources. A significant portion of Cr6+ is also emitted from on-road mobile sources, likely from brake wear. A detailed emissions inventory by major source categories is provided in Appendix 3b.

Figure 3b-2: Contribution of major sources to toxic air contaminant emissions in the Wilmington, Carson, West Long Beach community in 2017 (shown in lbs/year, weighted by air toxics cancer risk). Note the different scale for DPM with respect to the other air toxics.





#### *Stationary and area sources*

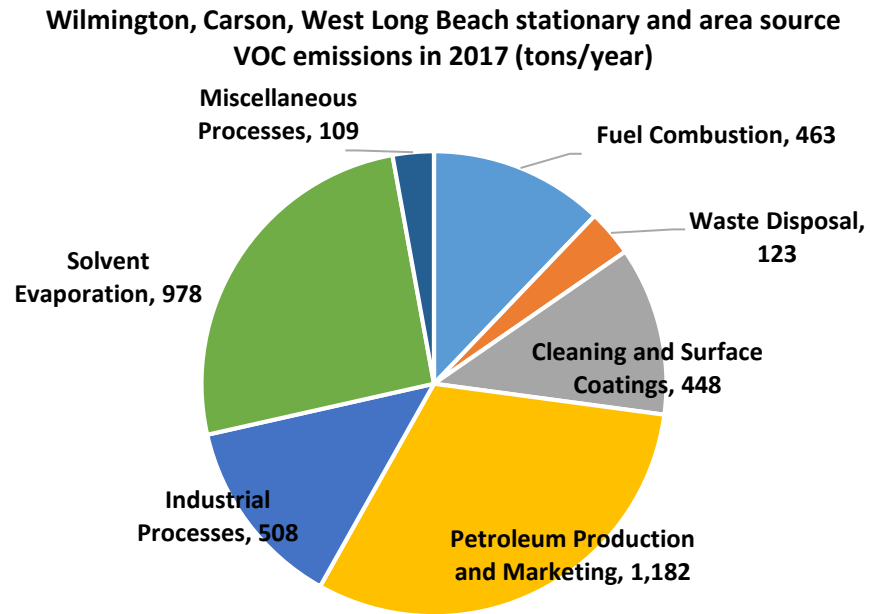
Figure 3b-3 indicates the sources where VOC and PM<sub>2.5</sub> emissions are originated from in the stationary and area source sectors in the WCWL community in 2017. The largest contribution to VOC emissions are from petroleum production and marketing, due to presence of several petroleum refineries in this community. Solvent evaporation from consumer products and industrial processes is the second largest source of VOCs, and various industries also contribute significantly to total VOC emissions.

Direct emissions of PM<sub>2.5</sub> in the WCWL community originate from a wide range of activities, with fuel combustion associated with the refinery industry as the largest contributor. Other important source categories contributing to PM<sub>2.5</sub> emissions include commercial cooking, residential and commercial fuel combustion, and paved road dust.

Figure 3b-4 illustrates the emissions of the major toxic air pollutants from stationary and area sources in the community. The emissions of each pollutant are weighted by their cancer risk relative to DPM. In this community, 1,3-butadiene and hexavalent chromium are the predominant air toxics from stationary sources. 1,3-butadiene is mostly emitted from industrial processes (Figure 3b-5), especially in the chemical industry, whereas the major source for

hexavalent chromium emissions is from fuel combustion in manufacturing and from the coatings industry.

Figure 3b-3: Source attribution of VOC emissions and PM2.5 emissions from stationary and area sources in the Wilmington, Carson, West Long Beach community for 2017



**Wilmington, Carson, West Long Beach stationary and area source  
PM2.5 emissions in 2017 (tons/year)**

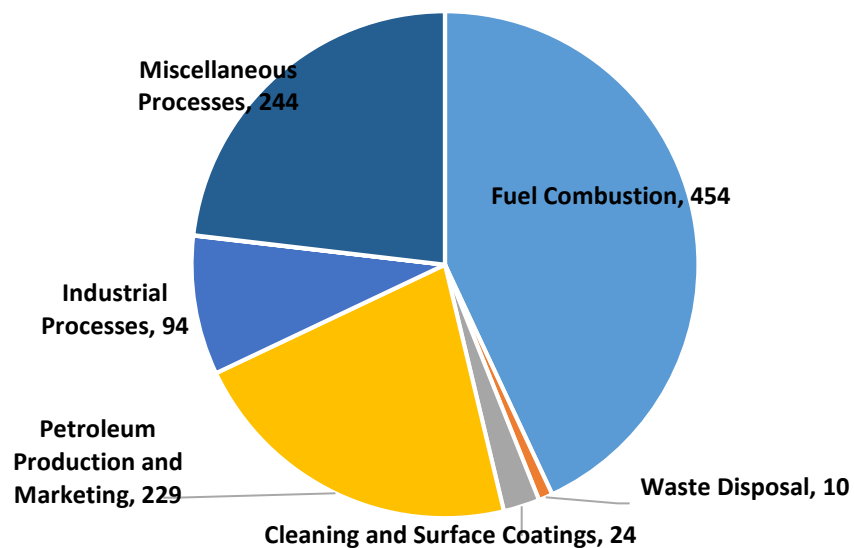


Figure 3b-4: Toxic air contaminant emissions, weighted by air toxics cancer risk, from stationary and area sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

**Air toxics from stationary and area sources in 2017 (lbs/year)  
in the Wilmington, Carson, West Long Beach community**

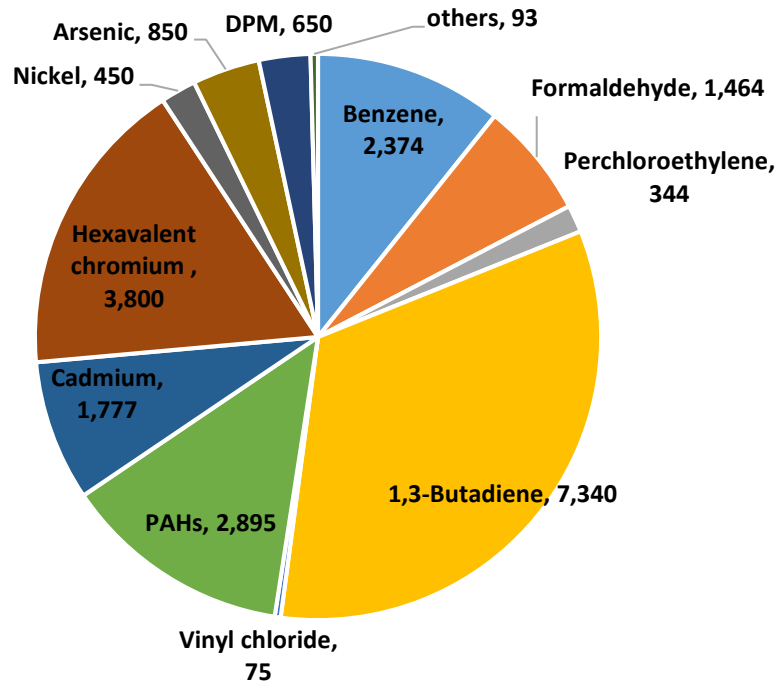
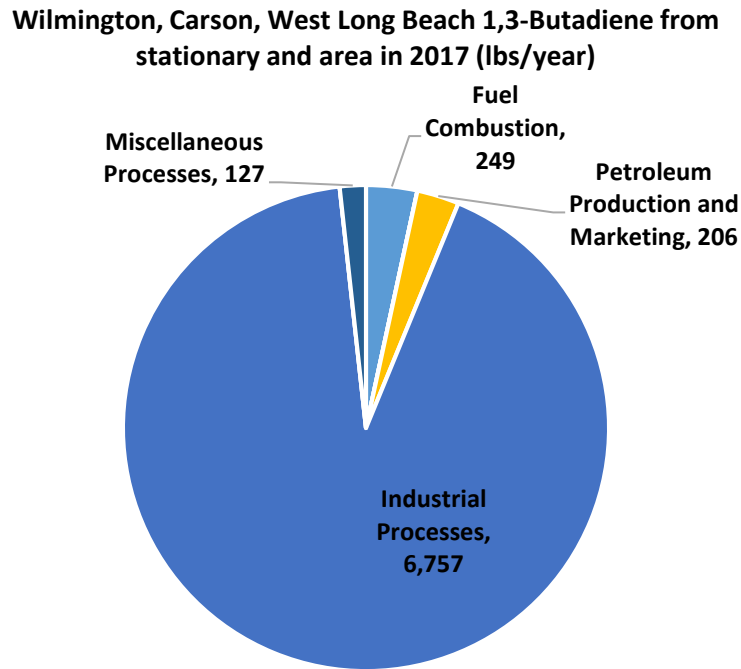
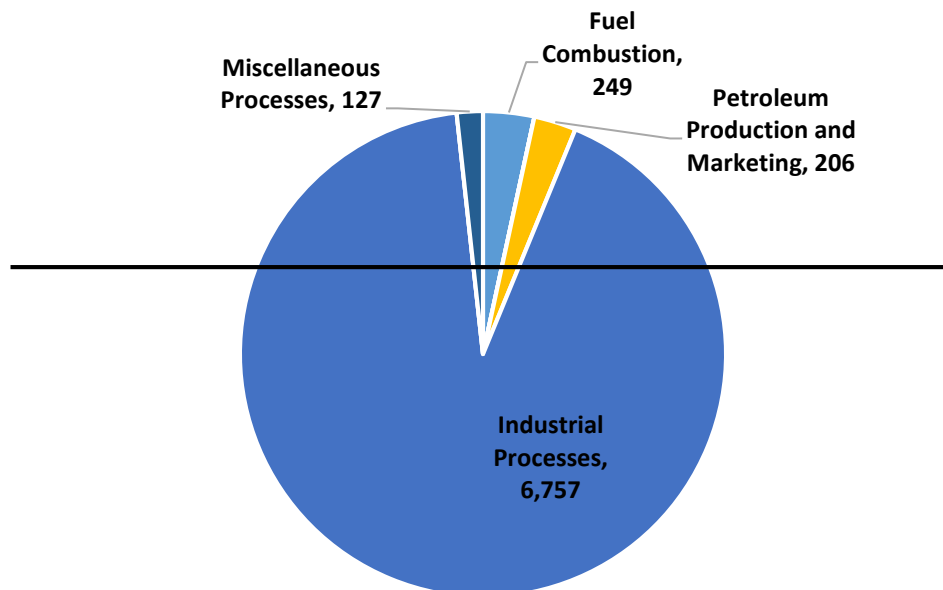


Figure 3b-5: Source attribution of 1,3-butadiene emissions from stationary and area sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



**Wilmington, Carson and West Long Beach 1,3-Butadiene from stationary and area in 2017 (lbs/year)**



### *2.3 On-road mobile sources*

Figure 3b-6 presents the contribution of different vehicle classes to total VOC and PM<sub>2.5</sub> emissions. In general, passenger vehicles and light- and medium-duty vehicles contribute to the



majority of VOC and PM<sub>2.5</sub> emissions, with 88% and 68% of the total VOC and PM<sub>2.5</sub> emissions, respectively. VOC emissions are mostly from gasoline vehicles<sup>iii</sup>,<sup>iv</sup> and, as a result, passenger cars are the main contributor to VOC emissions because of the large ~~the~~ number of vehicles and miles traveled by these types of vehicles in this community. Heavy-duty trucks are the second largest emitters of VOCs and PM<sub>2.5</sub>. Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars, and despite contributing to less than 10% of the total vehicle miles traveled in Los Angeles County, heavy-duty vehicles contribute to more than 25% of the total PM<sub>2.5</sub> emissions from on-road sources<sup>v</sup>.<sup>vi</sup>

Air toxics emissions from on-road sources are largely dominated by DPM (Figure 3b-7). The largest contributor to DPM emissions is diesel fueled heavy-duty trucks (Figure 3b-8), as the largest impacts from on-road sources in the community are concentrated along the main goods movement corridors. The second largest TAC~~—species~~ from on-road sources is hexavalent chromium, which is likely emitted from brake wear and, to a smaller extent, from fuel combustion.<sup>vii</sup>

Other TACs emitted from on-road sources include benzene, 1,3-butadiene and formaldehyde. Benzene is generated from evaporative losses and from the incomplete combustion of gasoline, whereas formaldehyde and 1,3-butadiene emissions are generated from fuel combustion.

---

<sup>iii</sup> ~~These emissions are largely related to evaporative and running losses~~

<sup>iv</sup> ~~These emissions are largely related to evaporative and running losses~~

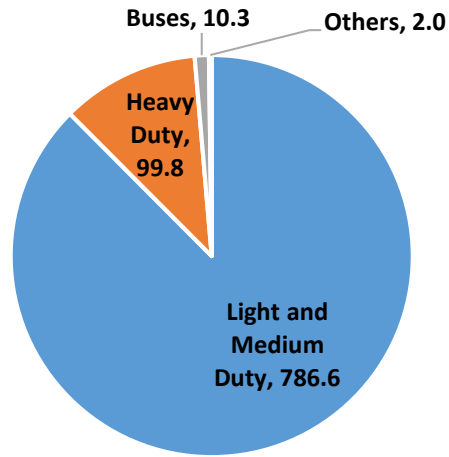
<sup>\*</sup> ~~Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.~~

<sup>vi</sup> ~~Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.~~

<sup>vii</sup> ~~A small fraction of hexavalent chromium was considered to originate from vehicle brake wear. The emission factors were empirically adjusted for the MATES IV analysis. While this approach worked reasonably well for the MATES analysis, further evaluation may be required for adapting this adjustment to more recent data. For example, an adjustment may be required to reflect cleaner vehicle fuels compared to those in use during previous MATES.~~

Figure 3b-6: Source attribution of VOC emissions and PM2.5 emissions from on-road sources in the Wilmington, Carson, West Long Beach community for 2017

**Wilmington, Carson, West Long Beach  
on-road VOC in 2017 (tons/year)**



**Wilmington, Carson, West Long Beach  
on-road PM2.5 in 2017 (tons/year)**

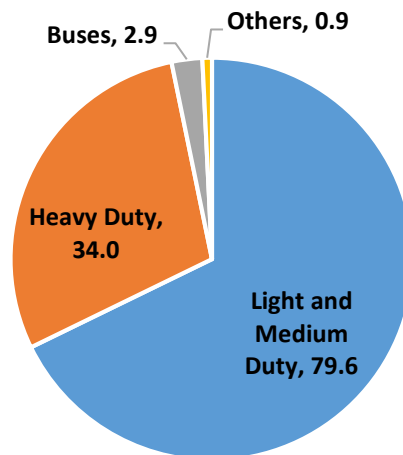


Figure 3b-7: Toxic air contaminant emissions, weighted by air toxic cancer risk, from on-road mobile sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

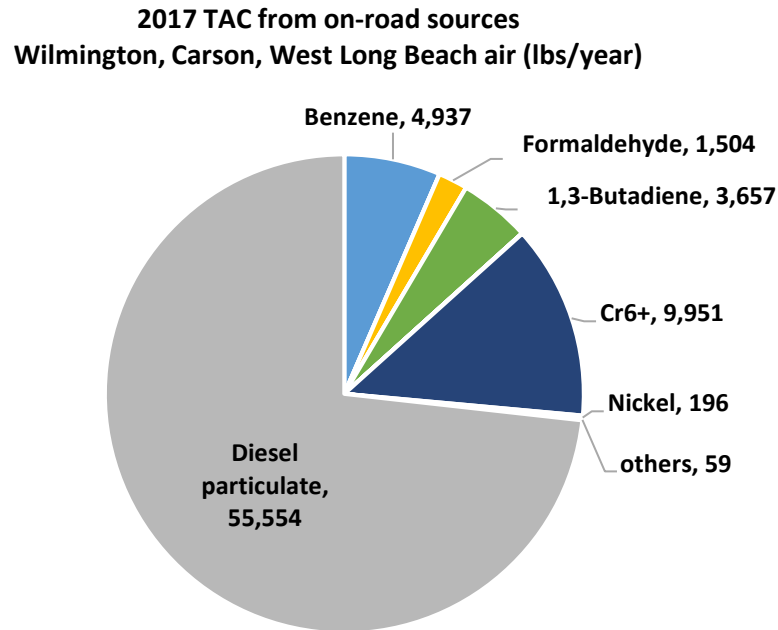
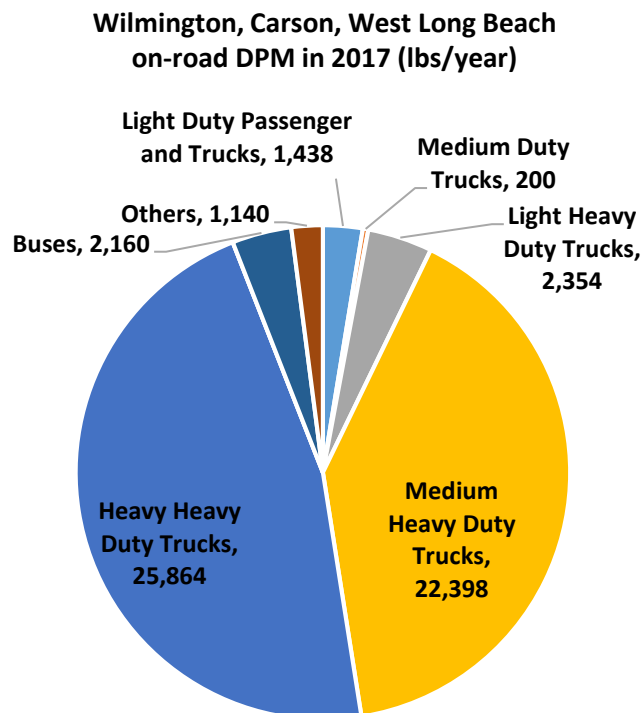


Figure 3b-8: Source attribution of DPM emissions from on-road mobile sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year)



#### *2.4 Off-road mobile sources*

Figure 3b-9 provides the source attribution of VOC and PM<sub>2.5</sub> emissions from off-road sources. The emissions from small off-road equipment contribute to nearly half of the total VOC emissions in this community. This category contains small off-road spark-ignition engines that include lawn and garden, industrial, airport ground support, and commercial utility equipment, golf carts, and specialty vehicles. Port-related activities account for a significant portion of the VOC emissions in the community. OGV and commercial harbor craft emissions combined account for approximately 20%, while recreational boats, including both exhaust emissions and evaporative losses, account for 22% of the community total VOC emissions. OGVs are the largest emitters of PM<sub>2.5</sub> from off-road sources. The second largest contribution to direct PM<sub>2.5</sub> emissions is commercial and industrial off-road equipment.

Similarly to the source attribution results for on-road mobile sources, DPM is the largest contributor to TAC emissions from off-road mobile sources in the WCWLB community (Figure3b-10). DPM mainly originates from OGVs (44%) and industrial off-road equipment (41%) (Figure 3b-11).

Figure 3b-9: Source attribution of VOC emissions and PM2.5 emissions from off-road sources in the Wilmington, Carson, West Long Beach community for 2017

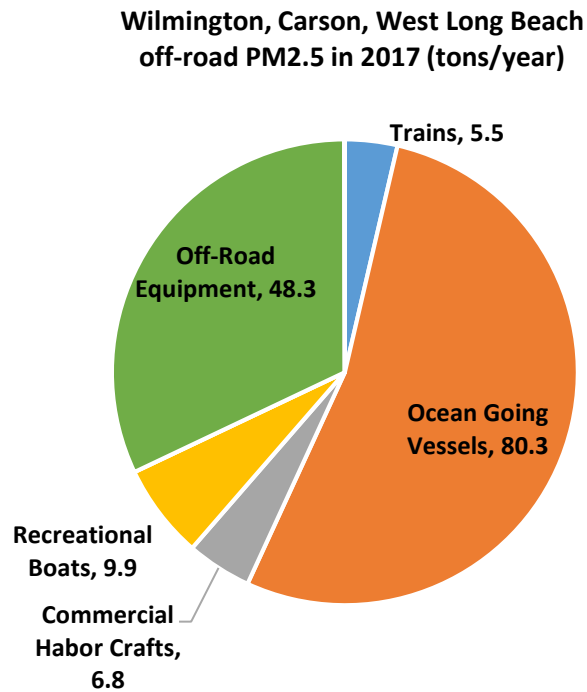
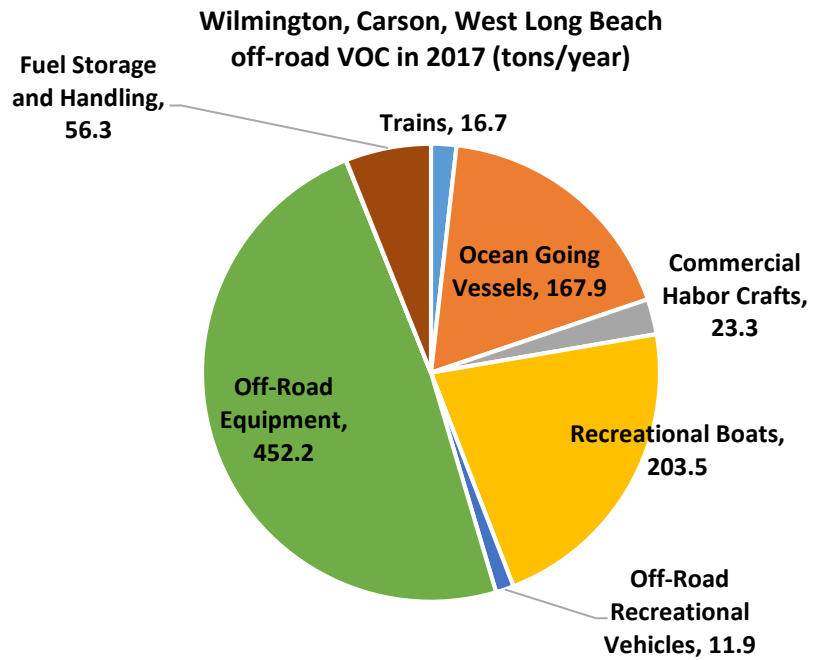


Figure 3b-10: Toxic air contaminant emissions, weighted by air toxic cancer risk, from off-road mobile sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

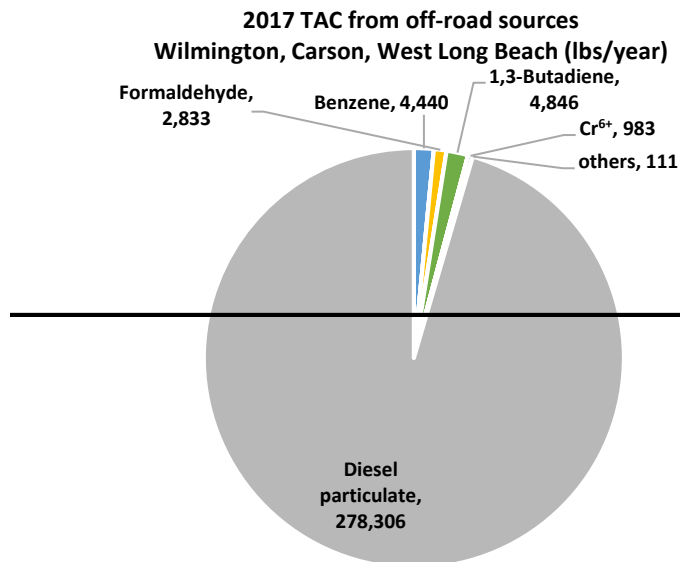
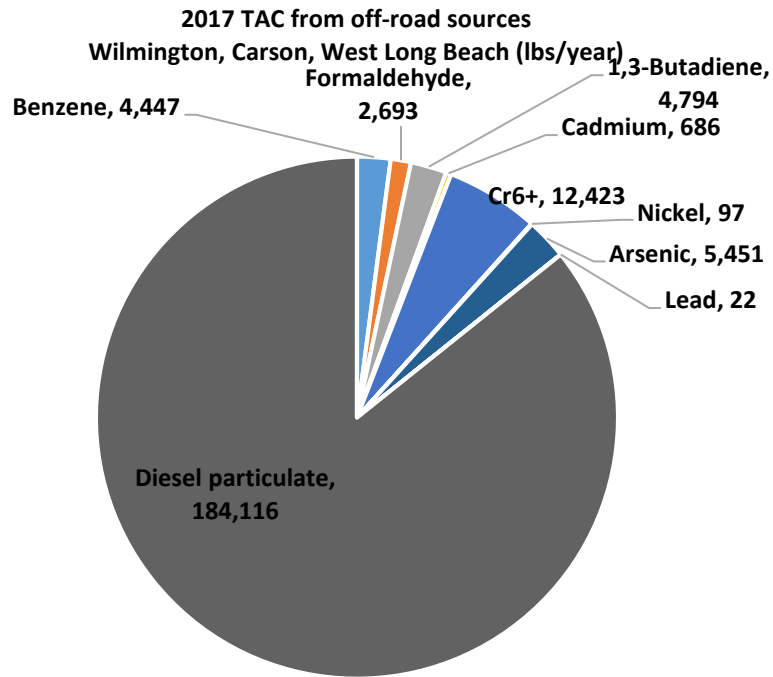
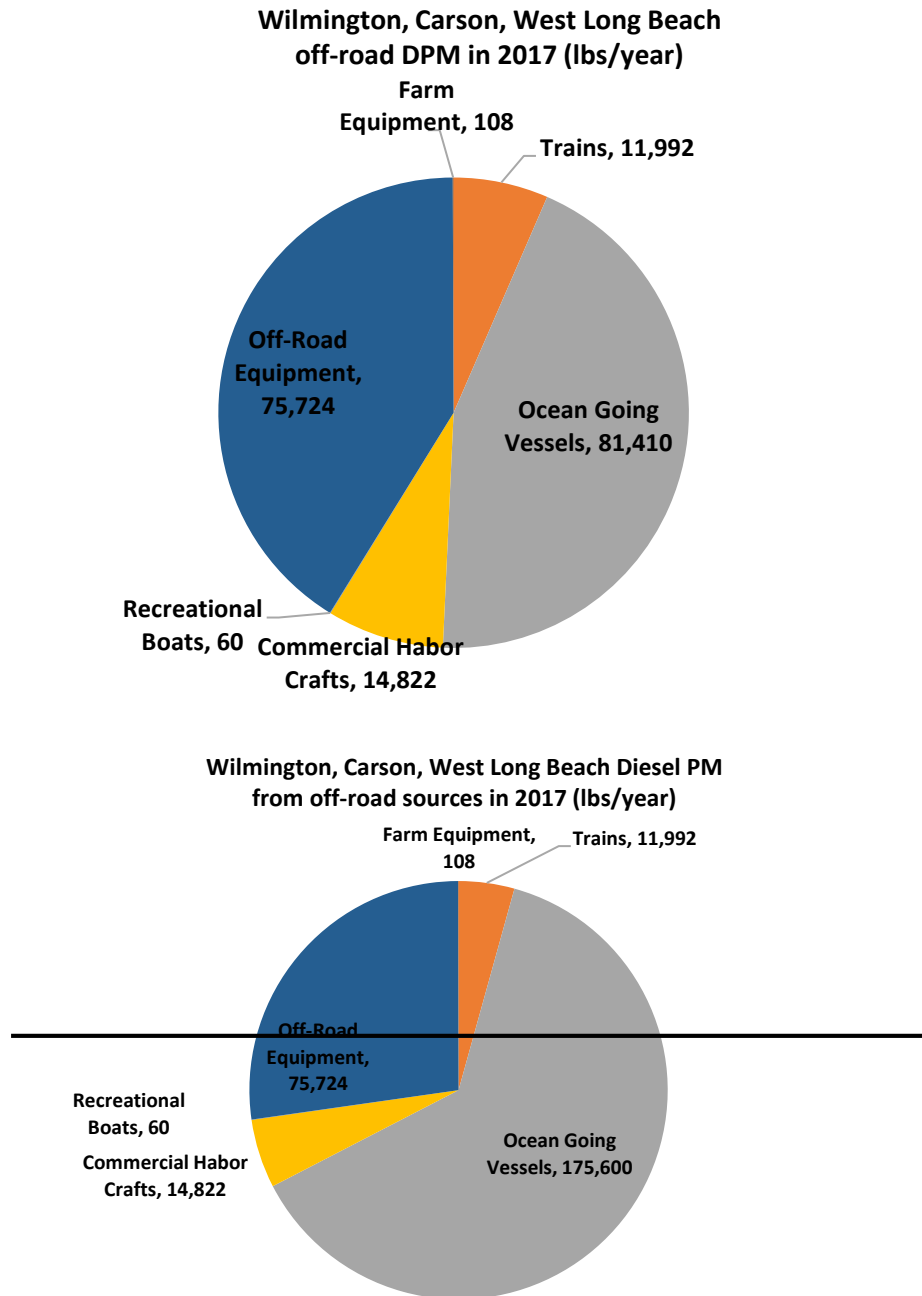


Figure 3b-11: Source attribution of DPM emissions from stationary and area sources in the Wilmington, Carson, West Long Beach community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



## Future Year Emissions Inventory and Source Attribution

### *~~3.1~~ Trend of emission change for CAPs and TACs*

Future emissions of CAPs and TACs in the WCWL community are projected using the best available information on socio-economic growth and emission adjustments reflecting ongoing regulations that reduce specific air pollutants. Regulations reflected in these adjustments include South Coast AQMD regulations and CARB regulations.

Based on available information, to date, there are two (2) facilities within the community boundary subject to Rule 1407 (which regulates toxic emissions from metal melting operations) and/or Rule 1420 (which regulates toxic emissions from lead processing facilities); four (4) facilities subject to Rule 1426 (which regulates toxic emissions from electroplating operations); ten (10) facilities subject to Rule 1469 (which regulates toxic emissions from electroplating and chromic acid anodizing operations).

Furthermore, heavy-duty diesel vehicles in this community will be subject to the CARB truck and bus regulation<sup>viii</sup>, with implementation dates after 2017; this rule will result in reduced DPM emissions from these engines. Off-road diesel equipment is also subject to existing state regulations that will reduce DPM emissions from these sources.

South Coast AQMD and CARB are continuing to develop regulations and programs to reduce NOx and VOC emissions, since the adoption of the 2016 AQMP in March 2017. However, control factors for future regulations and programs that are still under development are not reflected in the current inventory. The current inventory for area and stationary sources reflects NOx and VOC rules adopted as of December 2015 and TACs rules adopted as of December 2017. Future versions of the emission inventory will reflect the more recently adopted regulations.

Figure 3b-12 presents the projected major CAPs emissions (NOx, VOC and PM<sub>2.5</sub>) in the WCWL community in the two future milestone years of 2024 and 2029, along with the base year 2017. The NOx emissions in the community are expected to decrease substantially from 2017 (10,614 tons/year) to 2024 (8,819 tons/year), mainly due to the strict regulations on mobile sources and the emission reduction commitments under the Regional Clean Air Incentives Market (RECLAIM) program. The total NOx emissions in 2029 are projected to rise slightly (9,250 tons/year) due to the increase in industrial and on-road mobile source activities. VOC emissions are expected to decrease by 7% during this 12 year period, mostly due to on-road and off-road emission reductions. Unlike NOx and VOC emissions, PM<sub>2.5</sub> emissions remain virtually constant from 2017 to 2024, and then increase by less than 2% by 2029.

Trends for TAC emissions are displayed in Figure 3b-13. DPM continues to dominate the TACs emission inventory in the future years despite a significant reduction in DPM from heavy-duty trucks. DPM emissions decrease by 16% between 2017 and 2024, but increases by 9% between

---

<sup>viii</sup> CARB's Truck and Bus Regulations: <https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation>



2024 and 2029. Tables showing detailed emissions of CAPs and TACs are provided in the Appendix 3b. The increasing trend after 2024 for DPM is mainly driven by the increase in ports activity and associated OGV emissions. The second largest contributor to TACs is Cr<sup>6+</sup>, whose emissions increase from 2017 to 2029 due to increases in brake wear emissions and projected industrial activity growth. 1,3-butadiene is the third largest compounds of TACs, and its emissions decline slightly due to reductions in emissions from vehicles. Benzene and formaldehyde emissions decrease during the 12 year period due to decreases in the emissions from vehicles, whereas emissions from metals (i.e., cadmium, nickel, arsenic and lead), show a slight increasing trend due to projected industrial activity growth.

Figure 3b-14 presents the cumulative TAC emissions by the major categories for the base and two future milestone years. The overall cancer-risk-weighted emissions decreased between 2017 and 2024, but the overall emissions increased between 2024 and 2029. In particular, diesel heavy duty trucks and off-road equipment decreased substantially over the first 7 years, driving the downward trend of the overall TAC emissions. However, the steady increase in emissions from ships brings the overall emissions up after 2024.

Figure 3b-12: The community total emission trends for NOx, VOC and PM (tons/year) for the years 2017, 2024 and 2029

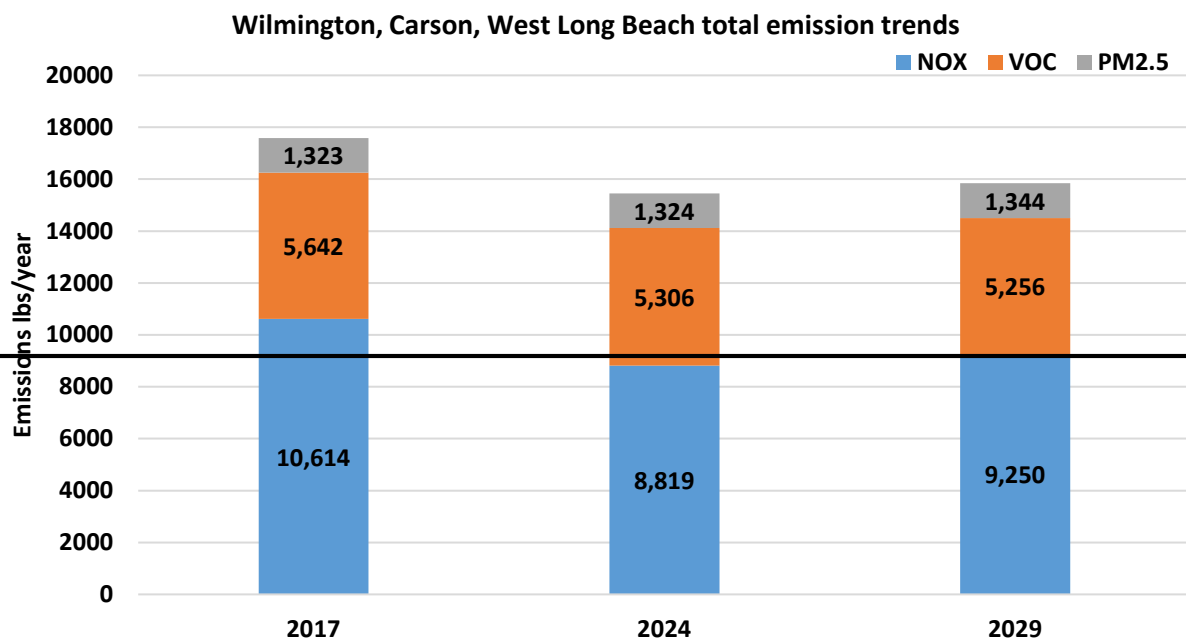
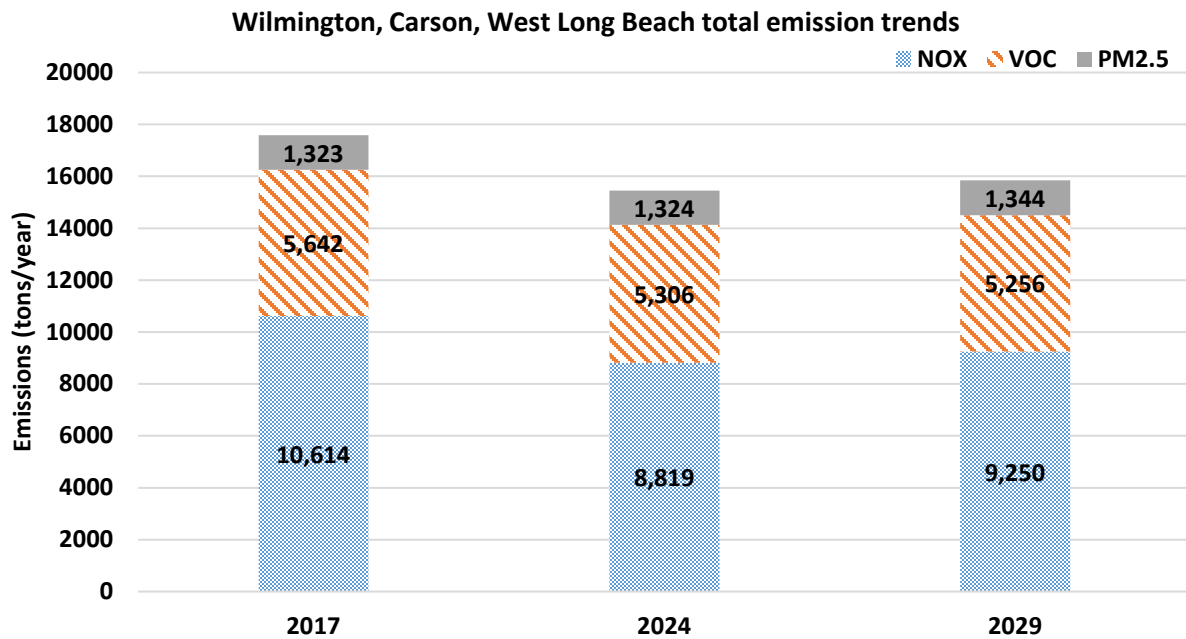


Figure 3b-13: The community total emission trends for toxic air contaminants for the years of 2017, 2024 and 2029 (shown in lbs/year, weighted by air toxics cancer

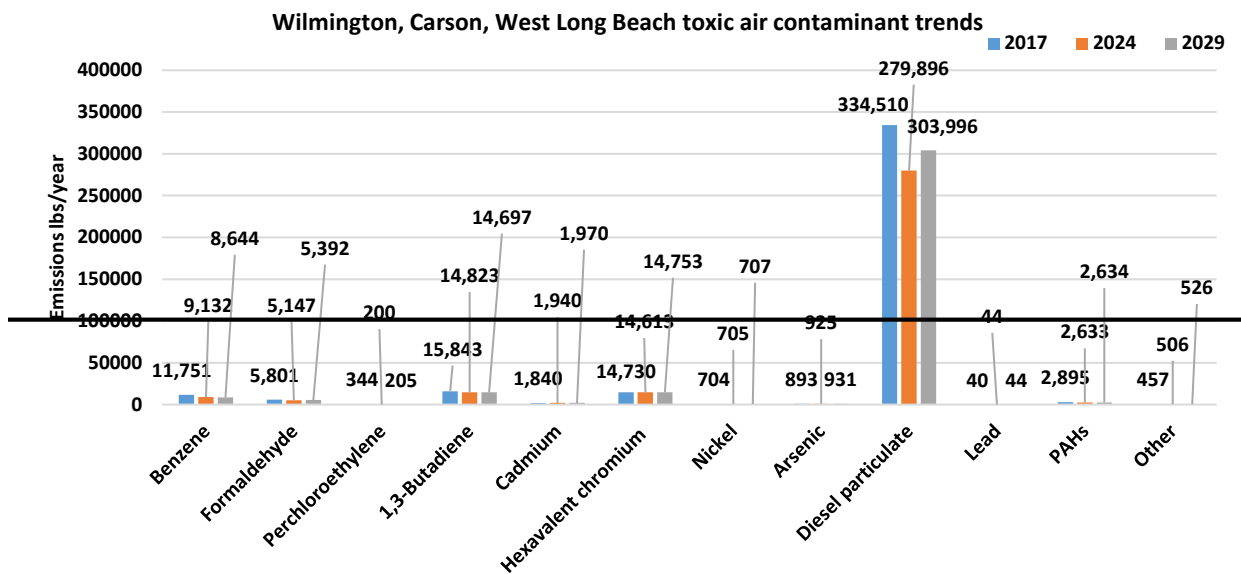
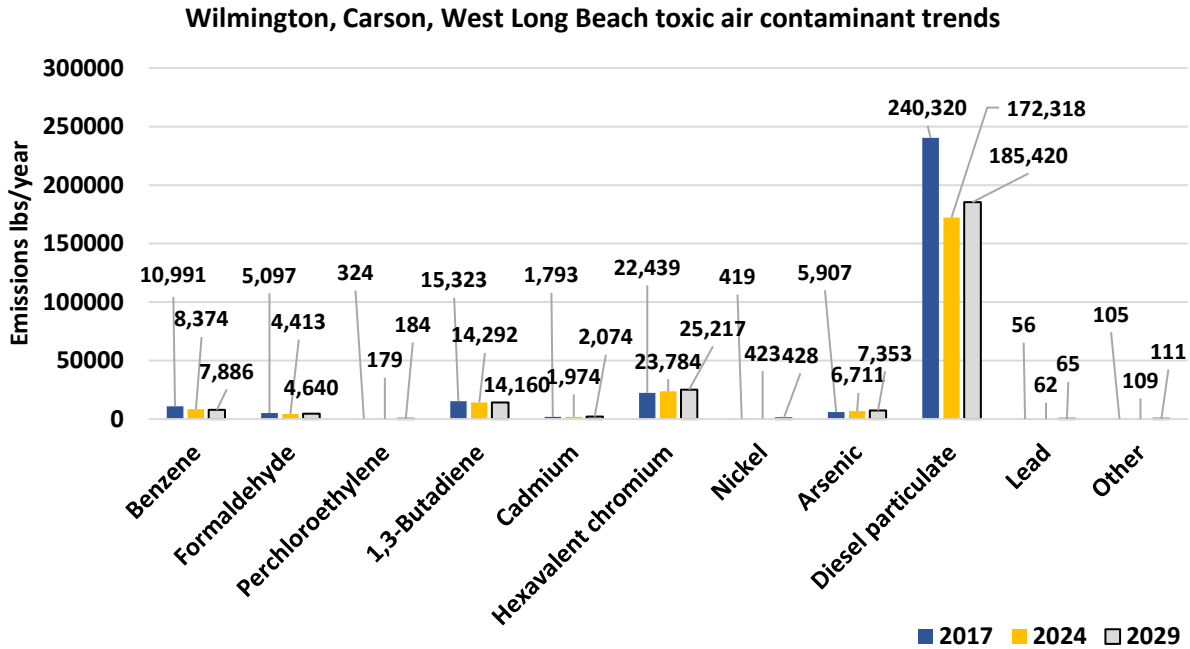
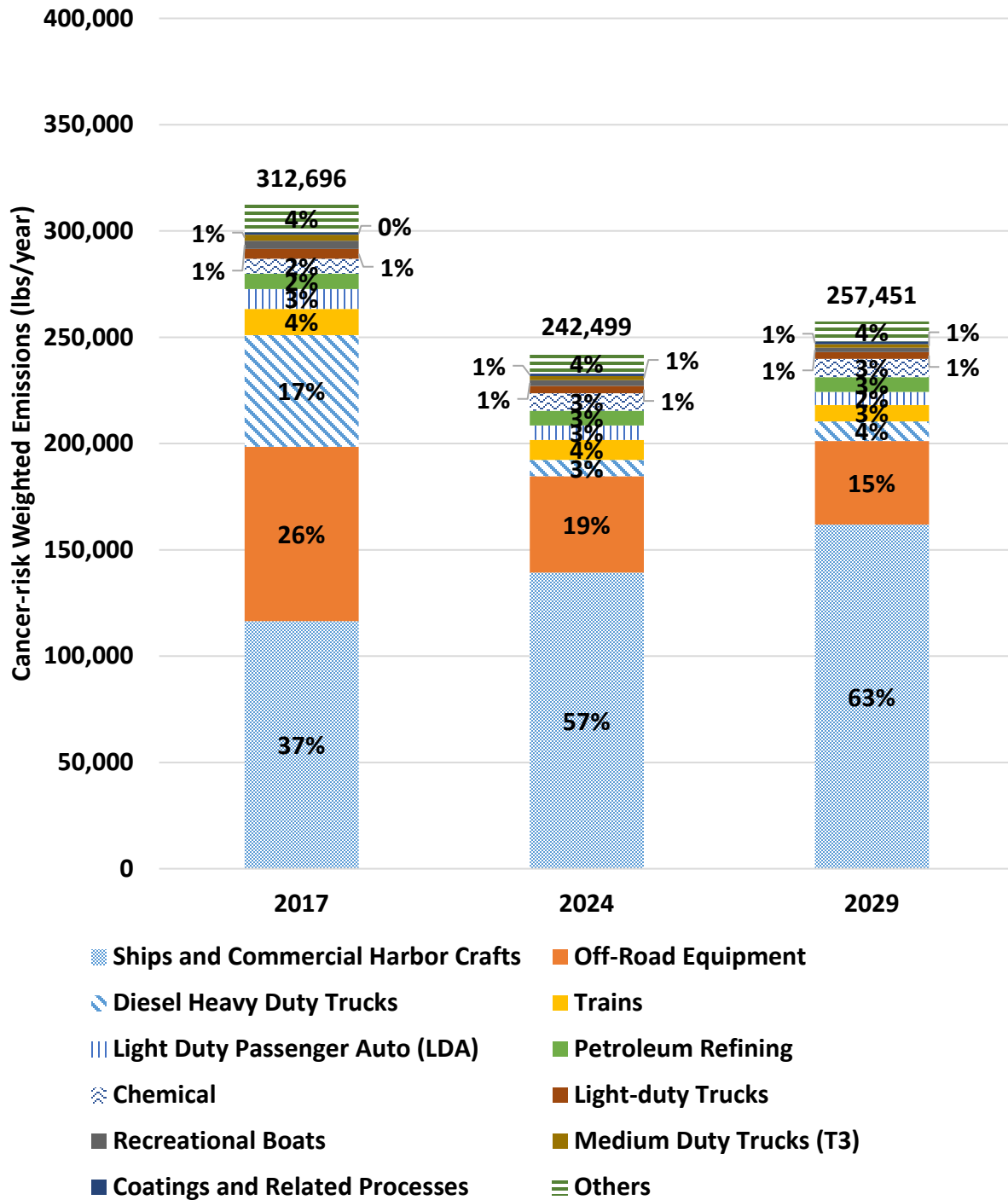
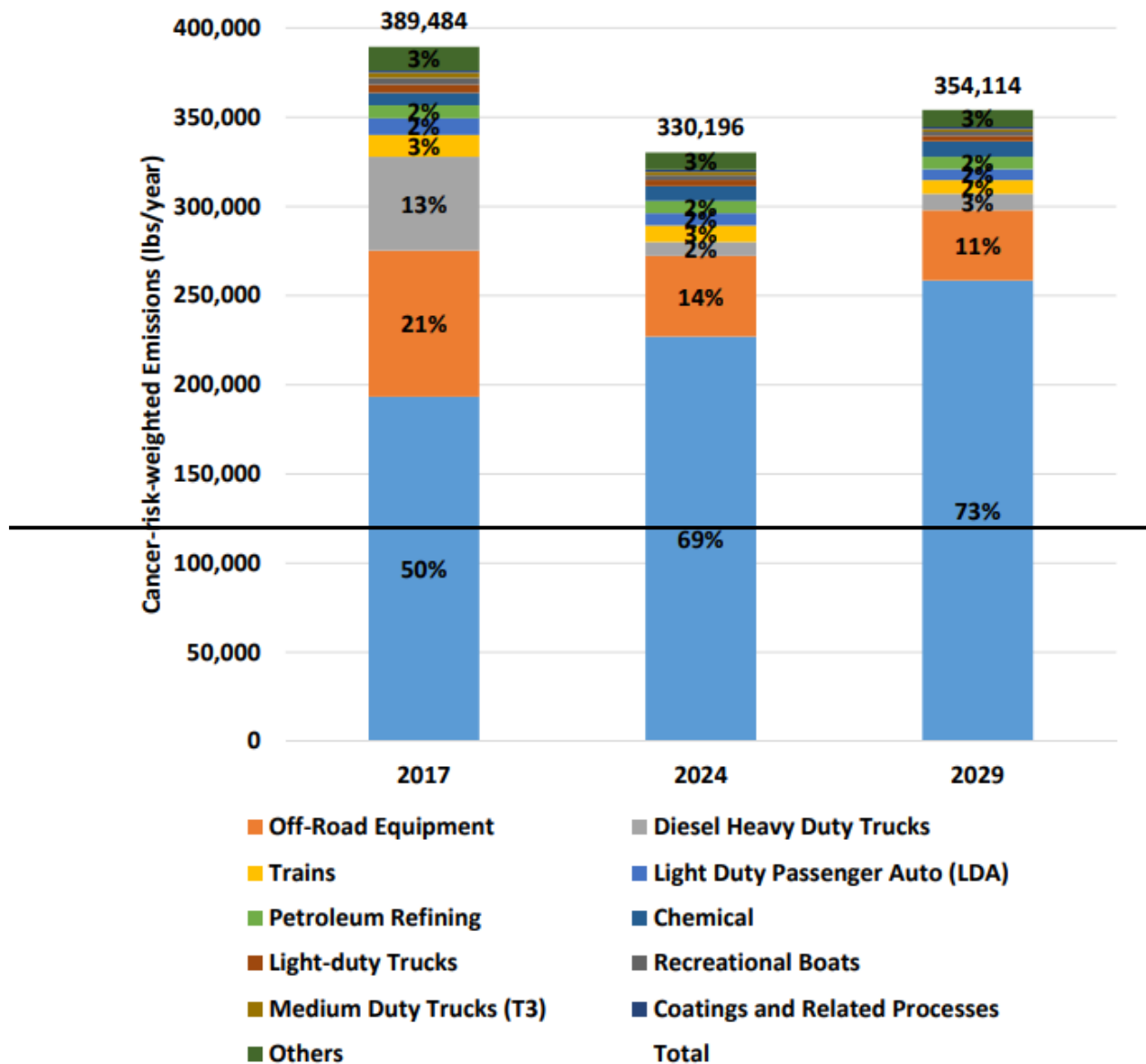


Figure 3b-14<sup>ix</sup>: Toxic air contaminant emissions from all sources in the Wilmington, Carson, West Long Beach community, shown by major categories. Emissions are weighted based on their cancer risk relative to DPM



<sup>ix</sup> Numbers may not add up due to rounding

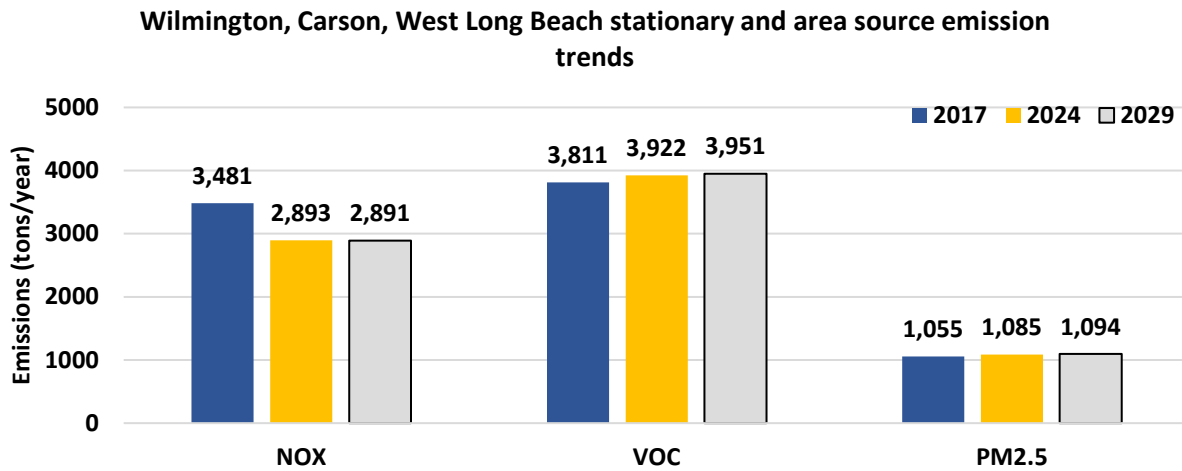


### 3.2 Stationary and Area Sources

The trends in total emissions of NO<sub>x</sub>, VOC and PM<sub>2.5</sub> from stationary and area sources in this community are shown in Figure 3b-15. NO<sub>x</sub> emissions are expected to decline from 2017 to 2024 due to the emission reductions from RECLAIM facilities\*.<sup>xi</sup> VOC and PM<sub>2.5</sub> emissions are expected

to grow gradually due to the projected growth in population and economic and industrial activities.

Figure 3b-15: Trends in NO<sub>x</sub>, VOC and PM<sub>2.5</sub> emissions from stationary and area sources in the Wilmington, Carson, West Long Beach community. Emissions are shown in tons per year

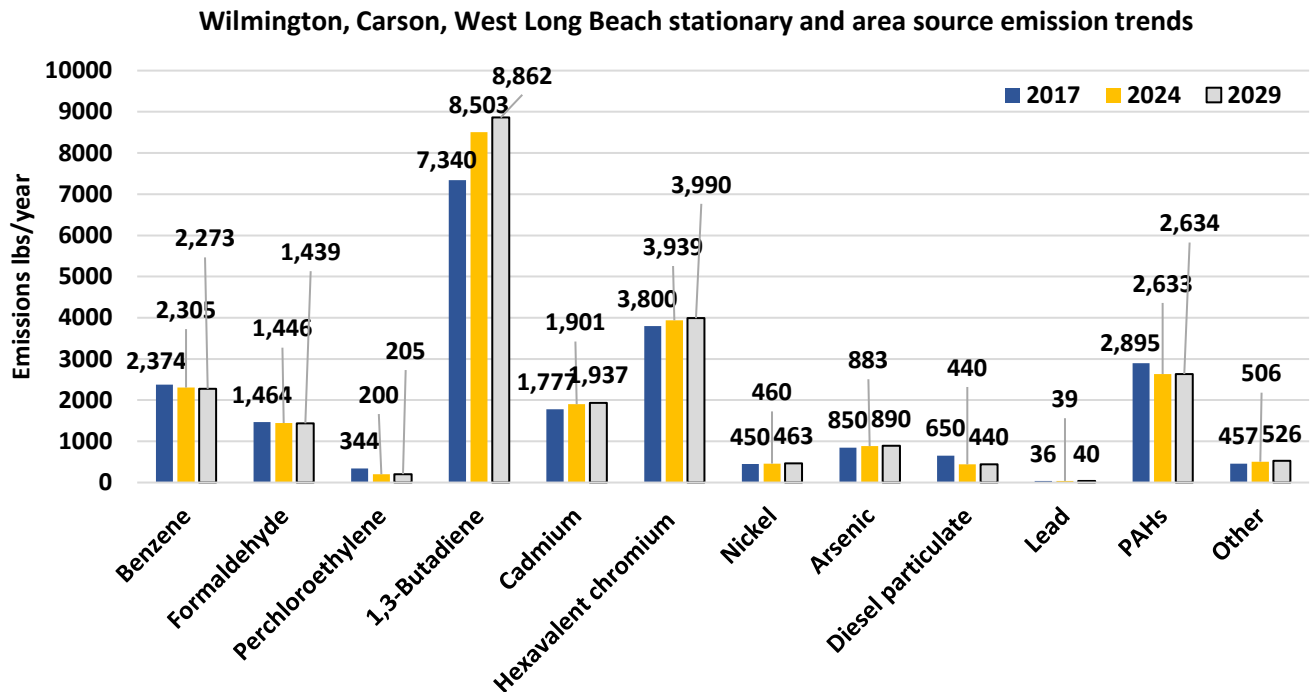


While the total amount of emissions change in the future years, the relative contributions from the various industrial source categories to the total emissions are not expected to change significantly. In this community, petroleum refining and marketing and fuel combustion are expected to continue as the dominant sources of VOC and PM<sub>2.5</sub> emissions, respectively, in both future milestone years.

Emissions of 1,3-butadiene and hexavalent chromium are the largest contributors to total air toxics emissions from area and stationary sources (Figure 3b-16), and are expected to rise between 2017 and 2029 due to industrial activity growth during the period. Emissions of other TACs that are primarily emitted from industrial activities, i.e., formaldehyde, cadmium, arsenic, nickel, and lead, are also expected to increase due to industrial growth. Only PAHs, benzene, and perchloroethylene emissions decrease. Similar to 2017, the main source of 1,3-butadiene emissions is from industrial processes, or more specifically, emissions attributed to the chemical industry.

<sup>xi</sup> NO<sub>x</sub> RECLAIM is an emission cap-and-trade program that includes larger stationary sources located in the Basin. The current regulation, Rule 2002 requires 12 tons per year of NO<sub>x</sub> emission reductions from 2016 to 2022. When the rule is fully implemented in 2022, no significant changes in NO<sub>x</sub> are expected except for a slight increase from 2024 to 2029 due to the growth in economic, industrial, and commercial activities. The 2016 AQMP includes a control measure to target an additional 5 tons per year of NO<sub>x</sub> reduction from the RECLAIM facilities by 2031. The impact of the additional “NO<sub>x</sub> shave” is not reflected in the community inventory since December 2015 was the cut off for stationary source regulations to reflect on the inventory. The rulemaking to achieve additional 5 TPD NO<sub>x</sub> is still ongoing and will be reflected on the inventory when it is finalized.

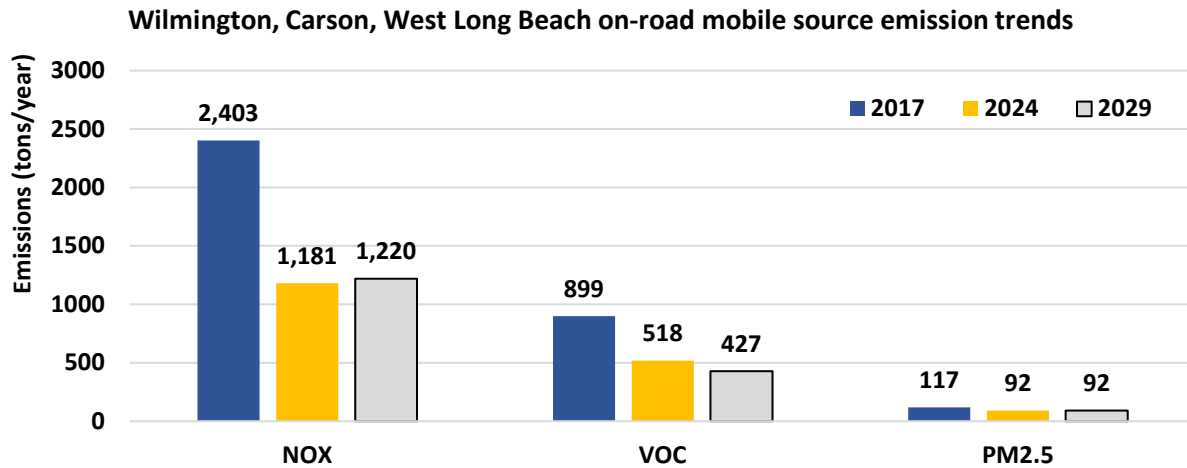
Figure 3b-16: Trends in toxic air contaminant emissions from stationary and area sources in the Wilmington, Carson, West Long Beach community (shown in lbs/year, weighted by air toxics cancer risk)



### 3.3 On-road mobile sources

Trends for on-road emissions of CAPs are presented in Figure 17. On-road emissions are expected to decline significantly between 2017 and 2024, due to the turnover of light-duty vehicles and heavy duty trucks to cleaner vehicles. After 2024, passenger vehicles continue to become cleaner and overall emissions continue to decline, despite a continuous increase in vehicle miles traveled (VMT) for all vehicle types through the year 2029 (Table 3b-1). On the other hand, increases in heavy-duty truck activity offsets the gains from regulations on heavy-duty trucks after 2024. As a result, overall NO<sub>x</sub> emissions from on-road sources increase slightly between 2024 and 2029. VOC emissions are expected to decline for all vehicle types except for motorcycles, whose emissions grow steadily between 2017 and 2029. PM<sub>2.5</sub> emissions are expected to decline for all vehicle types between 2017 and 2024. After 2024, the effect of vehicle regulations on light-, medium- and heavy-heavy duty trucks will be offset by their activity growth (Table 3b-1), resulting in an increase in emissions of PM<sub>2.5</sub> from heavy-duty trucks, while passenger vehicle emissions of PM<sub>2.5</sub> continue to decline. As a result, overall emissions of PM<sub>2.5</sub> from all vehicles combined remain unchanged between 2024 and 2029.

Figure 3b-17: Trends in NOx, VOC and PM2.5 emissions from on-road mobile sources in the Wilmington, Carson, West Long Beach community. Emissions are shown in tons per year



While NOx and VOC emissions decrease substantially with time, PM2.5 emissions decrease at a slower rate. On-road mobile PM2.5 emissions come from two separate processes – exhaust from fuel combustion and tire and brake wear. Emissions from tail pipe exhaust decrease due to regulations. However, tire and brake wear emissions are proportional to vehicle miles traveled (VMT), which are expected to increase during this time period due to economic and population growth. Therefore, the contribution of tire and brake wear to total PM emissions is expected to grow in the future. This growth in PM emissions from tire and brake wear offsets the decreases in PM emissions from vehicle exhaust due to regulation.

Table 3b-1. Trends in VMT (vehicle miles traveled) from on-road mobile sources in the Wilmington, Carson, West Long Beach community

	Vehicle Categories					
Year	Light Medium Duty	and Light-Heavy Duty	Medium- Heavy Duty	Heavy- Heavy Duty	Buses	Total
2017	9,978	248	214	334	80	10,854
2024	10,029	244	259	409	77	11,017
2029	10,710	275	311	512	83	11,891

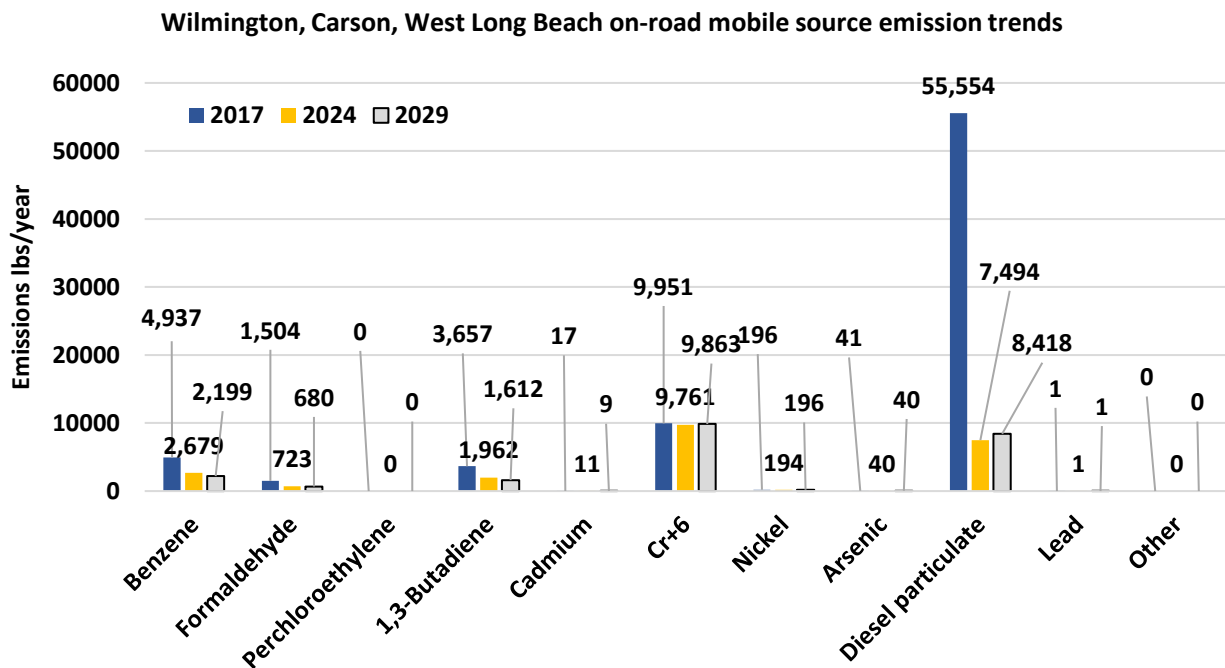
Unit in 1000 miles

The trends in TAC emissions from on-road sources within the WCWLB community is shown in Figure 3b-18. In 2017, DPM is the major contributor to air toxics cancer risk, followed by hexavalent chromium. However, regulations on heavy-duty diesel trucks reduce the on-road DPM emissions drastically between 2017 and 2024. Beyond 2024, the decreases in DPM emissions due to regulations levels off, and DPM emissions are expected to increase slightly due to continued increases in VMT. Hexavalent chromium emissions are predominantly from tire and



brake wear, which is directly related to VMT, with a small contribution from fuel combustion. Because VMT from vehicles are expected to increase, emissions of hexavalent chromium are also expected to increase from this source. However, it is important to note that there is uncertainty in the amount of hexavalent chromium emissions associated with vehicular activities, especially in brake wear. While the emission factors need further evaluation, the increase in VMT would still certainly contribute to the increase in vehicular emissions. Benzene and 1,3-butadiene emissions are projected to decline due to reductions in evaporative emissions and in vehicle exhaust emissions, respectively.

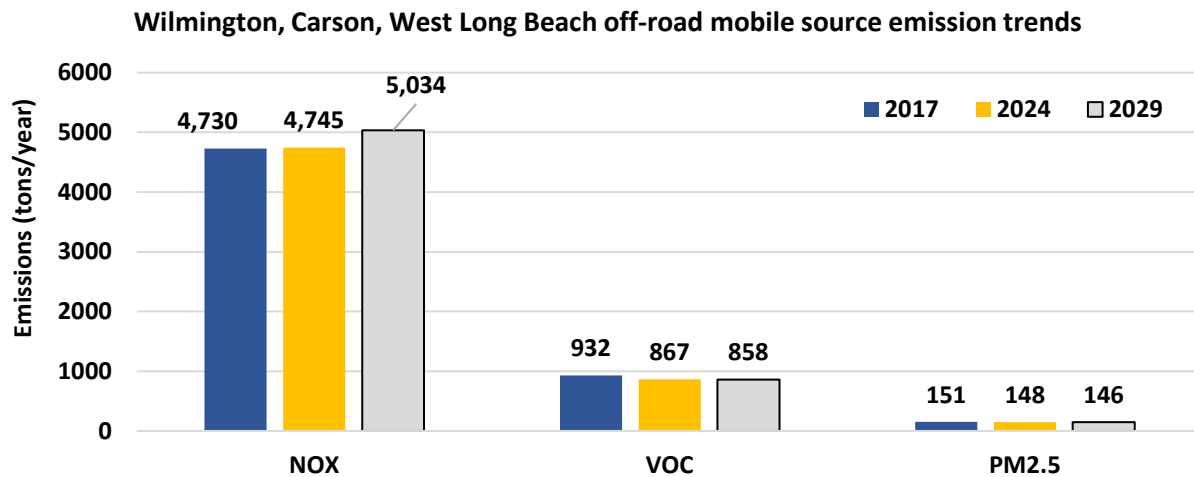
Figure 3b-18: Trends in toxic air contaminant emissions from on-road mobile sources in the Wilmington, Carson, West Long Beach community (shown in lbs/year, weighted by air toxics cancer risk)



### 3.4 Off-road mobile sources

Trends in emissions of NO<sub>x</sub>, VOC, and PM<sub>2.5</sub> from off-road sources in the WCWL community are presented in Figure 3b-19. The increase in NO<sub>x</sub> emissions is mainly driven by the projected increase in port activities, and, in particular, from OGVs. VOC and PM emissions associated with OGVs are also expected to increase over this time period. However, due to the steady decrease of VOC and PM emissions from commercial and industrial off-road equipment over this time period, the overall VOC and PM<sub>2.5</sub> emissions from off-road sources decrease between 2017 and 2024 and increase between 2024 and 2029.

Figure 3b-19: Trends in NOx, VOC and PM2.5 emissions from off-road mobile sources in the Wilmington, Carson, West Long Beach community. Emissions are shown in tons per year



The relative contribution of the various off-road sources remain relatively stable from 2017 to 2029. OGV emissions continue being the largest contributor to total PM2.5 emissions in the community throughout 2029, and off-road equipment continues to be the largest source of VOC emissions throughout 2029.

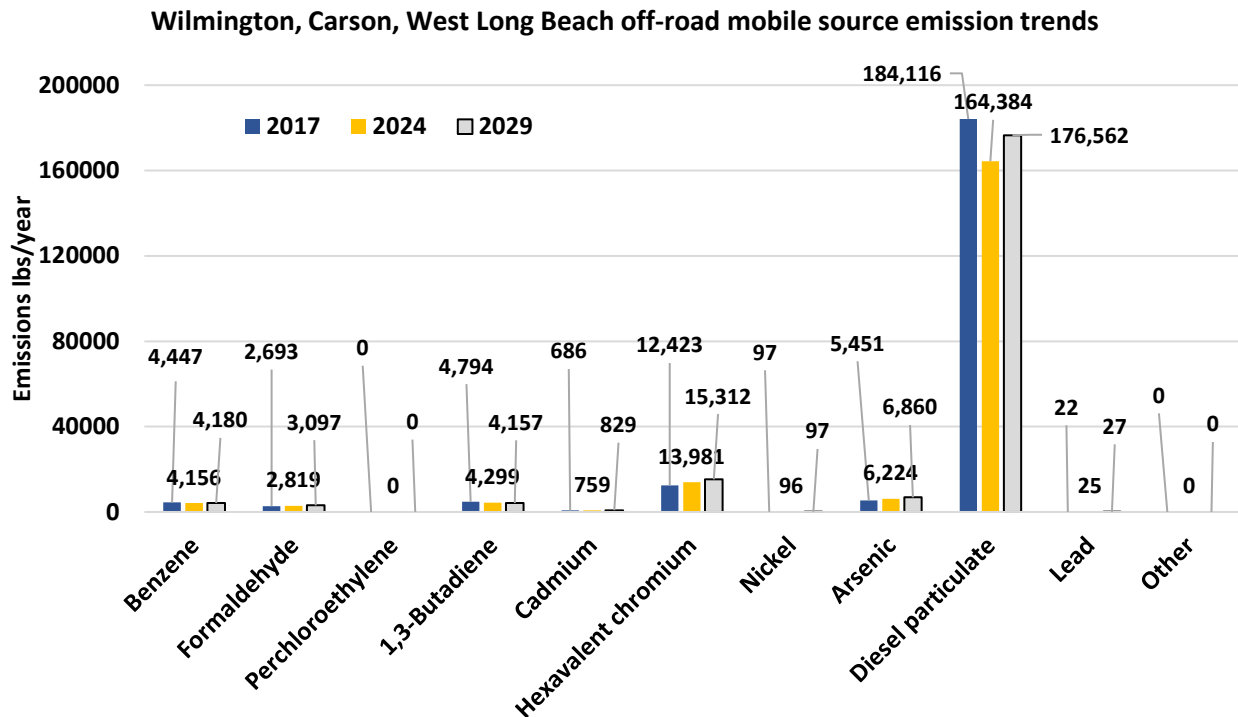
Trends in TACs emission from off-road sources are presented in Figure 3b-20. Emissions of TAC from off-road sources in 2024 and 2029 are still expected to be dominated by DPM emissions, primarily from OGVs and off-road equipment. DPM emissions will decrease between 2017 and 2024 and increase from 2024 to 2029, due to the combined effects of increased OGV activity and decreased emissions from off-road equipment. Emissions of hexavalent chromium, arsenic, formaldehyde, lead and cadmium are expected to increase due to increased OGV activity. While benzene and 1,3-butadiene emissions decrease between 2017 and 2024, ~~the projected increase in industrial activity through 2029 offsets the effect of regulations shown in the 2017-2024 period.~~ The emissions of the rest of relevant TACs are projected to decline as a result of regulations mostly due to decrease in the emissions from recreational boats.

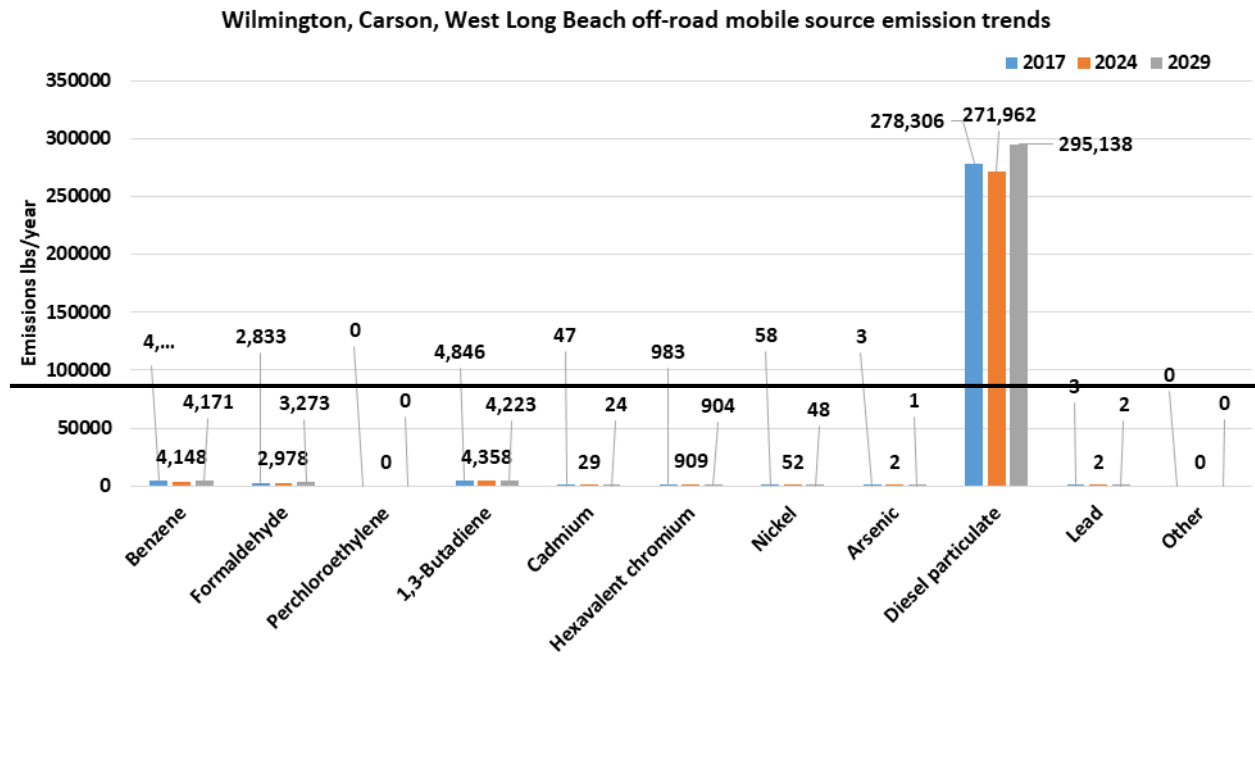
OGV emissions included in the Wilmington, Carson, West Long Beach community reflects the updates introduced after the publication of the Final 2016 AQMP. The updates include updated growth project of the ports activity and delayed penetration of cleaner Tier 3 engine in OGV. These adjustments are included in the current version of the California Emissions Projection Analysis Model (CEPAM).<sup>2</sup>

Currently, CARB staff is working on at-berth ocean-going vessels regulation that is expected to be considered for adoption in December 2019. Through the process of developing the new regulation, CARB has updated the baseline emissions from OGV at berth. Updates include changes in vessel activity, fleet mix, and emission factors. As a result of the latest adjustment,

baseline NOx emissions from OGV at berth decrease from 2,184 tons per year to 2,017 tpy in the year 2017. Similarly, PM2.5 and VOC emissions are also reduced due to the adjustments. These reductions in the baseline emissions propagate to the baseline inventories for 2024 and 2029. However, these updates are not yet reflected in the inventory for the Wilmington, Carson, West Long Beach community, as the regulation has not been adopted yet.

Figure 3b-20: Trends in toxic air contaminant emissions from off-road sources in the Wilmington, Carson, West Long Beach community (shown in lbs/year, weighted by air toxics cancer risk)





### Summary

The WCWLB community is the home of the busiest international ports in United States. The main sources of air pollution emissions in this community are from goods movement activities, including OGVs, off-road diesel equipment, heavy-duty trucks, trains and cargo handling equipment. This community also includes several refineries and other large industries, which contribute to the overall emissions of criteria air pollutants and toxic air contaminants.

The source attribution analysis shows that DPM from diesel exhaust is the largest contributor to TAC emissions in WCWLB community. DPM is emitted mostly from off-road and on-road mobile sources, with OGVs and heavy-duty trucks being the largest emitters. The second largest component of TAC emissions is hexavalent chromium, mainly from on-road and off-road mobile sources. 1,3-butadiene, mainly from the chemical industry. ~~Hexavalent chromium~~ is also an important TAC in this community, being emitted largely by the chemical industry. DPM emissions associated with heavy-duty trucks are expected to decrease due to existing regulations. However, due to the projected increase in OGV emissions from port-related activities, overall DPM emissions are expected to increase in future years. Overall hexavalent chromium emissions are also expected to increase due to increased OGV emissions, whereas overall ~~Moreover, 1,3-butadiene emissions are expected to decrease due to decreases in on-road emissions, despite an and hexavalent chromium emissions from stationary and area sources are expected to increase slightly due to in area and point sources due to projected industrial growth.~~

NO<sub>x</sub> emissions in this community are dominated by off-road sources, with OGVs being the largest contributor. VOC and TOG emissions are dominated by petroleum productions and marketing from area and stationary sources. Consumer products is the second largest source of VOCs from area and stationary sources. Passenger vehicles and off-road equipment (e.g., lawn mowers, commercial and industrial equipment) are the largest contributor to VOC emissions from on-road and off-road mobile sources, respectively. The largest contributors to PM<sub>2.5</sub> emissions from point sources are fuel combustion and petroleum refining. Commercial cooking and residential fuel combustion are the largest sources of PM<sub>2.5</sub> from areas sources. Passenger vehicles and OGV are the largest contributors to on-road and off-road sources, respectively.

Future NO<sub>x</sub> emissions in this community are expected to decrease due to regulations on mobile sources and emission reduction commitments for point sources, including reductions from the RECLAIM program.

## References

---

1. South Coast Air Quality Management District, Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/source-attribution-methodology.pdf>, Accessed August 22, 2019.
2. California Air Resource Board, CEPAM: 2016 SIP - Standard Emission Tool Emission Projections by Summary Category Base Year: 2012, <https://www.arb.ca.gov/app/emsmv/fcemssumcat/fcemssumcat2016.php>, Accessed August 22, 2019.

---

# CHAPTER 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 4: Enforcement Plan

### Introduction

This chapter describes the enforcement history and overall approach to enforcement by the South Coast AQMD and the California Air Resources Board (CARB). In addition, the Community Emissions Reduction Plan (CERP) includes focused enforcement actions, which are described in Chapter 5 (air monitoring, mobile air measurements, idling truck sweeps and truck enforcement in priority areas). It is important that enforcement actions are part of the overall AB 617 program actions, which enables the program to be more effective in addressing this community's air quality priorities.

### Chapter 4 Highlights

- From 2016 to 2018, CARB has conducted over 2,200 ~~3,500~~ inspections and South Coast AQMD conducted approximately 800 inspections and responded to approximately 2,600 complaints in the Wilmington, Carson, West Long Beach community.
- Both CARB and South Coast AQMD have designed their programs to most effectively address sources within their respective jurisdictions.
- An enforcement approach that utilizes specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to higher compliance rates and further emission reductions.

### Overview of Enforcement Program – Purpose and Jurisdiction

The primary goal of enforcement activities is for regulated entities to achieve compliance with air quality rules and regulations, and to protect public health. Part of this process involves consistently identifying and resolving violations, thereby ensuring a level playing field for all regulated entities and preventing unfair advantages for companies that do not comply with rules and permit conditions.

Both CARB and South Coast AQMD regulate and enforce air pollution regulations. Both agencies have the right to conduct inspections of air pollution sources, and the right to issue notices of violations that can lead to penalties.<sup>i</sup>

An air pollution source can be a specific piece of equipment, a business, a government agency, or any other entity that creates air pollution. CARB is primarily responsible for enforcement of trucks, buses, and other mobile sources, while South Coast AQMD is primarily responsible for enforcement relating to stationary sources (e.g., facilities).<sup>ii</sup>

<sup>i</sup> More information about penalties is provided in the Enforcement Appendix 4.

<sup>ii</sup> In some cases, CARB may have agreements that give local air districts delegated authority to enforce a particular CARB rule. For example, South Coast AQMD has an agreement with CARB to be able to enforce CARB's greenhouse gas standards. Other regulations, such as CARB's truck idling regulation, expressly allow enforcement by local air quality regulators.



Table 4-1: Overview of regulatory authority for South Coast AQMD and CARB

Air Pollution Source Category	Examples	Main Regulatory Agency
<b>Mobile sources<sup>iii</sup></b>	Trucks, buses, ships, boats, cargo handling equipment	CARB
<b>Stationary sources</b>	Refineries, power plants, oil and gas facilities, manufacturing plants	South Coast AQMD
<b>Area-wide sources</b>	Paint used on buildings	South Coast AQMD
<b>Sources of greenhouse gases</b>	Methane and volatile organic compound emissions from facilities	CARB and South Coast AQMD

### Enforcement History

Over the years, both CARB and South Coast AQMD enforcement staff have had a significant presence in the community of Wilmington, Carson, and West Long Beach (WCWLB). This section provides the 3-year enforcement history for each agency in this community.

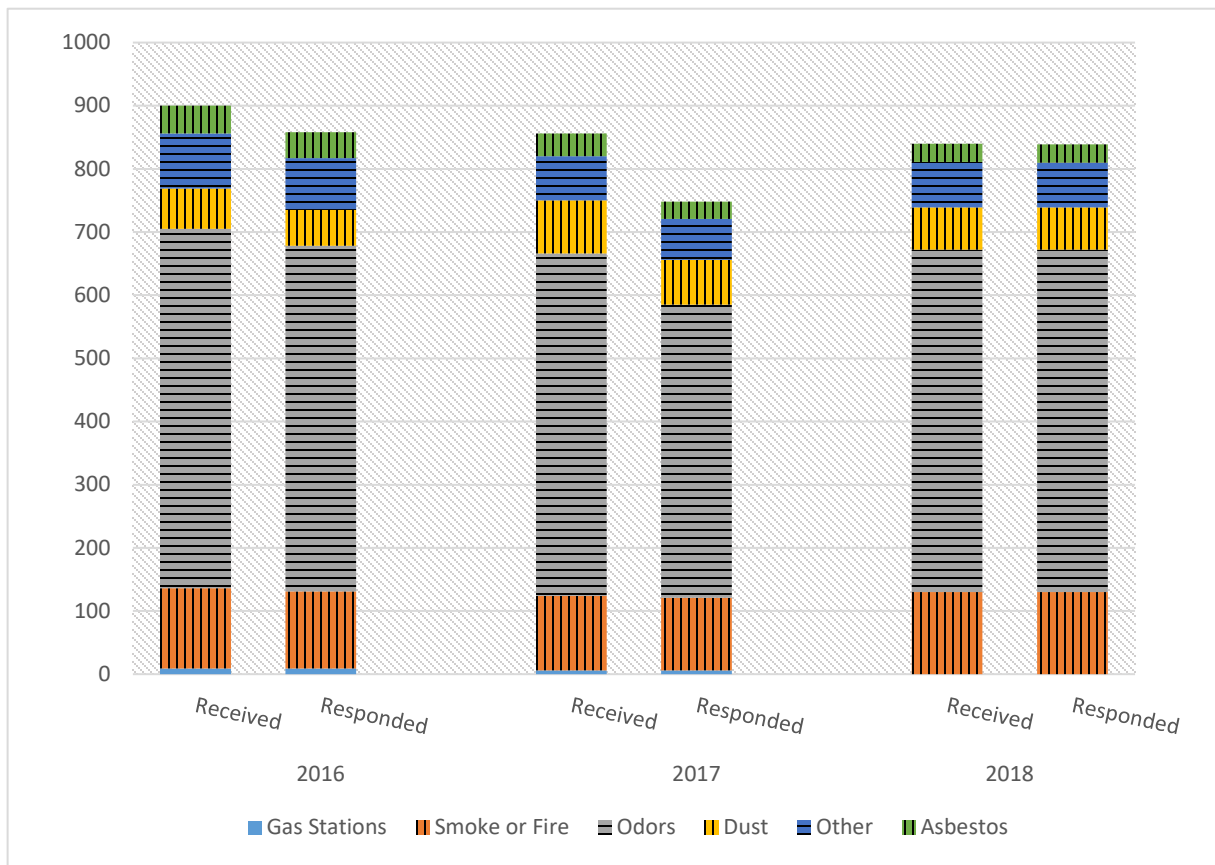
### South Coast AQMD's Enforcement History in this Community

South Coast AQMD's enforcement presence includes many different compliance-related activities, such as investigating complaints, responding to breakdowns, and performing facility inspections.

Responding to complaints is a crucial part of South Coast AQMD's enforcement program. By taking complaints directly from members of the public, inspectors can focus their efforts to identify and address air pollution problems that matter to the community. South Coast AQMD's enforcement team gives priority to incoming complaints. Further, they attempt to respond to every air quality complaint received. The process of responding to a complaint can be unique for each instance, depending on factors such as whether the air quality concern is ongoing, the type of source, the time of day, and the number of complaints for that particular concern. For example, South Coast AQMD responds to ~~off~~ non-business hour complaints based on the number of complaints that are received for a specific facility or location. Figure 4-1 shows the number and types of complaints received by South Coast AQMD in this community, for the time period 2016-2018. The large number of complaints in the WCWLB community is due to the large number of air pollution sources—including oil and gas production sites, diesel truck traffic, and refineries.

<sup>iii</sup> Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions.

Figure 4-1: Number of complaints (by type) in the Wilmington, Carson, West Long Beach community



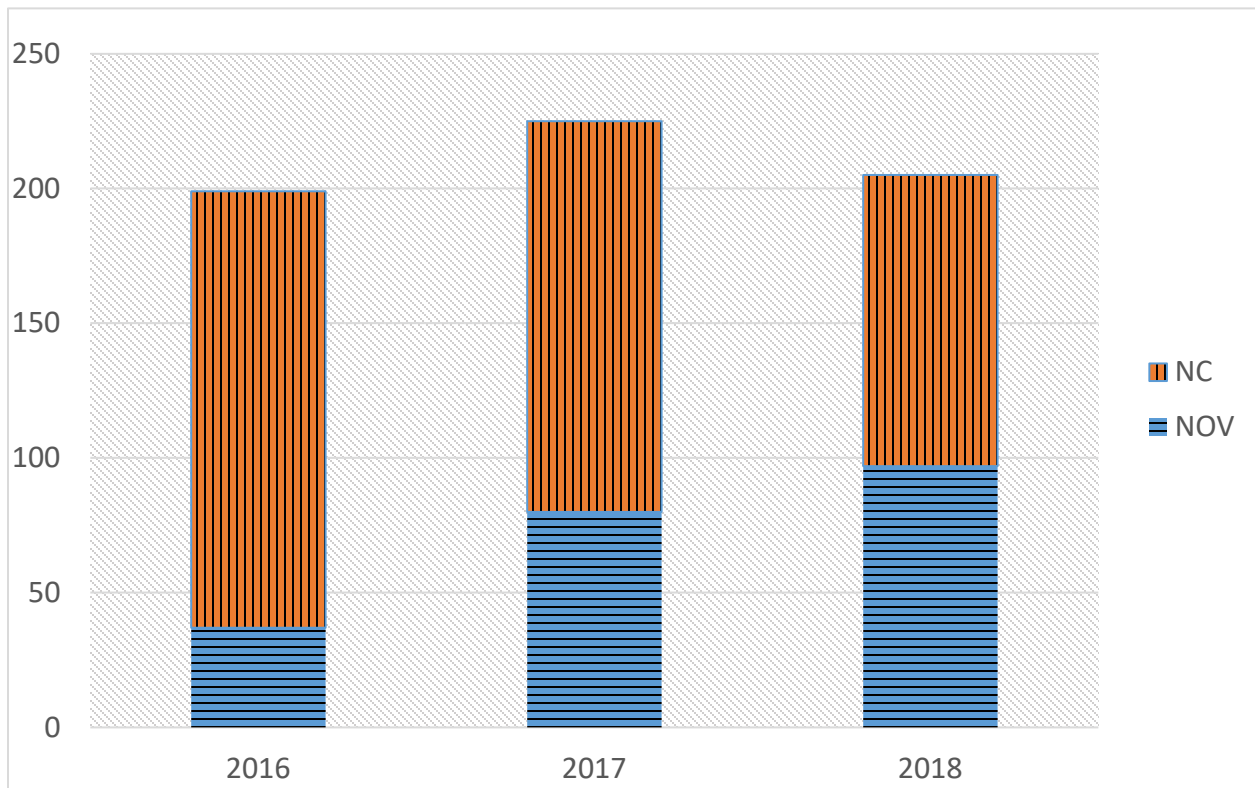
Additionally, South Coast AQMD's enforcement staff perform inspection activities at facilities and other air pollution sources. Those activities can include onsite inspections for permitted and non-permitted equipment, leaks, and compliance with rules, as well as surveillance activities in the community, such as to trace the source of an odor. As of May 2019, South Coast AQMD has approximately 940 permitted facilities in this community and conducted approximately 800 facility inspections from 2016 to 2018. A list of these inspections is available in the Enforcement Appendix 4.

Enforcement actions typically involve issuing one of two types of notices:

- *Notice to Comply* (NC) – requiring a facility to quickly correct a minor violation or to provide specified records
- *Notice of Violation* (NOV) – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution.

Between 2016 and 2018, South Coast AQMD has issued 214 NOVs in the Wilmington, Carson, West Long Beach community. Figure 4-2 shows the number of NCs and NOVs in this community during the time period 2016-2018.

Figure 4-2: Number of Notices to Comply (NCs) and Notices of Violation (NOVs) issued in the Wilmington, Carson, West Long Beach community



#### CARB Enforcement History in this Community

CARB's enforcement process is two-pronged, including conducting field inspections and fleet-wide audits. For field inspections, the focus has been on enforcing heavy-duty diesel vehicle (HDDV) regulations, such as the statewide truck and bus rule, off-road rule, and the heavy-duty vehicle inspection program (HDVIP); at the refineries and fueling stations enforcing fuel formulation regulations; and in the ports enforcing regulations related to shore power, ocean-going vessels, commercial harbor craft and cargo handling equipment. As Figures 4-3 and 4-4 show, of the vehicles inspected, fuels tested, and marine enforcement conducted at the Ports of Los Angeles and Long Beach, compliance with CARB's regulations has been high. CARB's enforcement has been focused on fuels and port regulations in this area with over 700 fuel inspections and almost 1,450~~2,900~~ marine-related inspections in the community in the past three years.

For fleet-wide audits, generally fewer heavy-duty vehicle enforcement inspections have occurred in the area during this time-frame, however, beginning in 2018 CARB added the Streamlined Truck Enforcement Program (STEP) to enhance its ability to enforce the Statewide Truck and Bus regulation. Between January 2018 and May 2019, 286 fleets were audited in WCWLB. A total of 859 vehicles were part of this audit with California Department of Motor Vehicles (DMV) registration holds placed on 389 of those vehicles. As of May 2019, sixty-three of those vehicles audited have been brought into

compliance. For some of CARB's regulations, enforcement staff have not yet conducted many enforcement activities on the issues that concern the community, however, CARB's enforcement efforts are being enhanced in this community to address community concerns.

Figure 4-3: CARB Heavy-duty Diesel Vehicle and Fuels Enforcement History 2016 – 2018 in the Wilmington, Carson, and West Long Beach Community

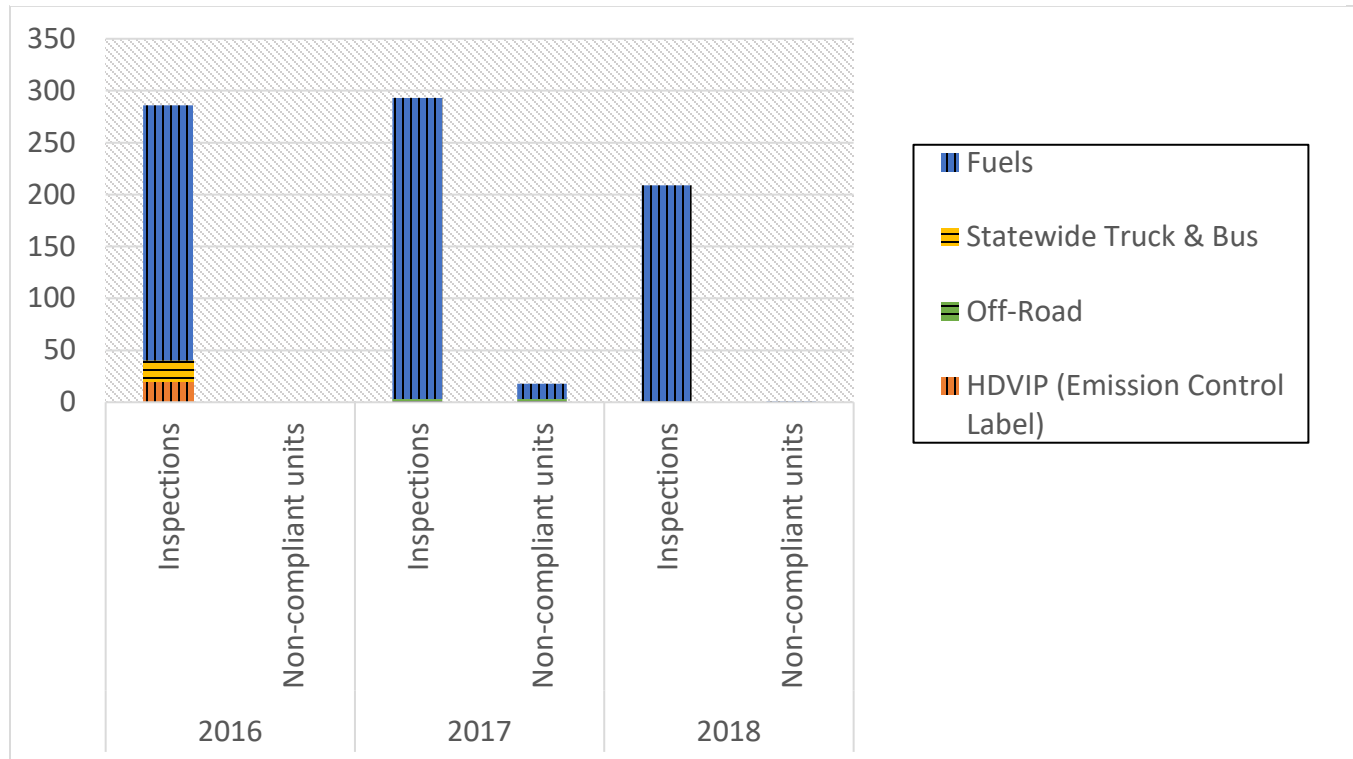
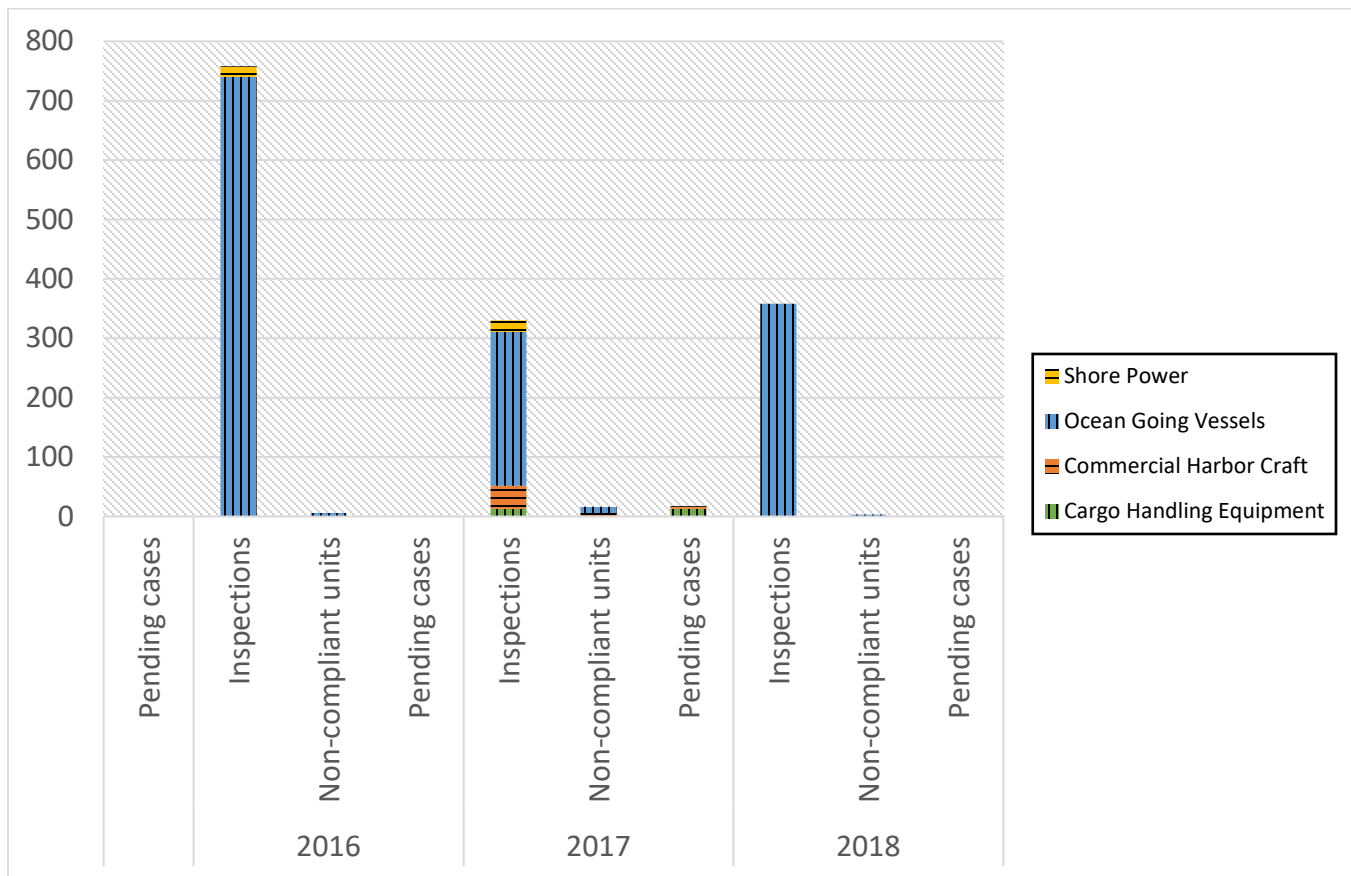


Figure 4-4: CARB Marine Enforcement History 2016 – 2018 in the Wilmington, Carson, West Long Beach community



In summary, from 2016 to 2018, both CARB and South Coast AQMD have conducted a range of compliance activities in the community. This includes more than 2,200 inspections from by CARB enforcement staff related to port vessels and equipment, heavy-duty vehicles, and fuels. Of those inspections, the vast majority were in compliance, with less fewer than 50 not in compliance and 19 cases pending. South Coast AQMD enforcement staff conducted approximately 800 facility inspections, responded to approximately 2,600 complaints, and conducted numerous other investigatory activities in WCWLB. South Coast AQMD issued 214 Notices of Violation. A compliance rate may not be an effective predictor of overall compliance within the area, since a portion of compliance actions are against the same facilities.

Due to the large number of potential air pollution sources in this community, an enforcement approach by both agencies that fully utilizes their specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further reductions in non-compliance and emission reductions. Both South Coast AQMD and CARB will continue to work closely with the CSC to identify and investigate air quality issues within the community.

### Enforcement Approach - Program Structures

Both CARB and South Coast AQMD have designed their programs to most effectively address sources within their respective jurisdictions.

#### South Coast AQMD's Office of Compliance and Enforcement (OCE)

The structure of this group is based on teams that focus on source type. Inspectors are also assigned by geographic region. The organizational structure based on source type enables inspectors to become technical specialists on the air pollution regulations that apply to the types of industries or facilities assigned to that team. In addition, assigning inspectors by geographic area improves the agency's ability to respond to complaints or compliance issues in that area.

For example, gas stations have underground gasoline storage tanks, which are inspected by the Retail Service Station Team. This team has the specialized knowledge and procedures to be able to cover the thousands of gas stations across the South Coast Air Quality Management District. Refineries also have underground gasoline storage tanks, but these are inspected by the Refinery Team, which has a full time employee assigned to inspect each refinery. The inspectors in the Refinery team specialize in enforcing regulations that apply to all refinery equipment, including the Alkylation or Crude Units, underground gasoline storage tanks, and many other pieces of equipment. However, certain facilities may be inspected by inspectors from multiple teams. This ensures that the approach is focused enough to address a variety of sources, yet flexible enough to handle complex facilities.

For most teams, the inspectors conduct regular inspections at their assigned facilities or within their assigned geographic regions. The frequency of regular inspections depends on the type of facility. For example, a chrome plating facility is inspected more frequently than an auto body shop. It is important to consider that there are approximately 110 chrome plating facilities in the South Coast Air Basin, compared to over 1,500 auto body facilities in the region. When considering limited resources, priority for inspections is typically given to higher risk pollution sources – that is, those facilities that emit the more toxic air pollutants and/or are close to schools, hospitals, and residential areas.

Staff from the following teams operate in the Wilmington, Carson, West Long Beach community:

Figure 4-5: South Coast AQMD Enforcement Program teams



The **Energy team** focuses on crude oil production, energy storage sites, and bulk petroleum terminals. Inspectors in this team usually work in pairs for safety, as well as the need to operate portable equipment. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities, some of which are in WCWL B.



The **Industrial team** focuses on the widest variety of sources, ranging from dry cleaners to large manufacturing facilities to idling truck sweeps. Inspectors in this team are assigned a geographic region and normally spend much of their time in the field. From this team, inspectors regularly conduct compliance activities in WCWL B.



The **Major Sources team** focuses on sources that are in the REgional Clean Air Incentives Market (RECLAIM)\* program. Examples of these sources include power plants, oil production sites, and large manufacturing facilities. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities, some of which are in WCWL B.



The **Refinery team** Focuses on all the refineries, auxiliary hydrogen plants, and marine terminals in the South Coast Air Basin. Inspectors in this team are assigned by facility, with each inspector dedicated to a refinery and auxiliary plants. From this team, inspectors regularly conduct compliance activities in WCWL B. This team is based full-time in the Long Beach Field Office to ensure close proximity to the refinery sources that it regulates.



The **Service Station team** Focuses on gasoline service stations that serve the public, which can emit volatile organic compounds (VOCs). Inspectors in this team are assigned a geographic region. From this team, inspectors regularly conduct compliance activities in WCWL B.



The **Toxics team** focuses on facilities that emit Toxic Air Contaminants, including hexavalent chromium, lead, and other toxic metals. Examples of these facilities include landfills, waste treatment facilities, water treatment facilities, lead acid battery manufacturers, and chromium plating and anodizing shops. Inspectors in this team are assigned a geographic region, and regularly conduct compliance activities in WCWL B.

\*RECLAIM, for REgional Clean Air Incentives Market, is a program that requires participating facilities to manage their total nitrogen oxides (NOx) and/or sulfur oxides (SOx) emissions ~~(which reduce over time)~~ by adding pollution controls, changing their equipment or processes, or buying credits from other RECLAIM facilities that have lower emissions than their cap. The allowable amount of such emissions is reduced over time. The program is currently being transitioned to a command-and-control regulatory program.

### CARB Enforcement's Program Structure

Through ~~targeted~~ focused enforcement or public complaints, CARB identifies a potential violation. CARB then contacts the responsible party to explain the enforcement process and to obtain additional information. Enforcement staff evaluates the information collected and works with CARB's Legal Office to determine violations of statutory and/or regulatory requirements. When violations are substantiated, CARB can take enforcement action, at which point the responsible party is provided an opportunity to respond to the violation.

~~CARB takes This outcome includes taking appropriate enforcement action within the scope of CARB's enforcement authority, which may include issuing cease and desist orders, Notices of Violation, mitigation, or pollution prevention actions. Cases can be resolved via civil and criminal litigation. In lieu of litigation, cases typically are settled through CARB's mutual settlement program. Penalties are sought that deter provide adequate deterrence to future non-compliance or public nuisance.~~

For example, in 2017, settlement agreements were made with Union Pacific Railroad Company (UP) and BNSF Railway regarding drayage truck regulations. Under CARB's Drayage Truck Regulation, California ports and Class I rail terminals must report non-compliant heavy-duty diesel trucks entering their facilities. For years, BNSF and UP failed to accurately report to CARB information on non-compliant trucks entering their facilities, which hampered CARB's ability to enforce the regulatory requirements. The settlements resulted in UP turning away non-compliant trucks from their facilities and BNSF accurately reporting truck data to CARB for enforcement, resulting in reduced diesel emissions from heavy-duty diesel trucks around both UP and BNSF facilities.<sup>8</sup>

During the settlement process, there is an opportunity to allocate up to 50% of the penalties to a supplemental environmental project (SEP)<sup>iv</sup>. Community-proposed projects are funded to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPs are possible in the Wilmington, Carson, West Long Beach community through the proposal process.<sup>9</sup>

CARB Enforcement's structure is based on over 50 enforcement programs that focus on specific source types. A few of the programs that are relevant to enforcement activity in WCWLB community are:

---

<sup>iv</sup> Other examples of enforcement settlement cases can be found in CARB's Annual Enforcement Reports (<https://www.arb.ca.gov/enf/reports/reports.htm>).



Figure 4-6: CARB Enforcement Programs ~~teams~~ relevant to the WCWLB community

CARB conducts **Idling Sweeps** to ensure regulatory truck and bus idling limits are not exceeded.



**Drayage** vehicles are heavy duty vehicles (HDV) that move goods. HDV that enter the port or intermodal facility are required by CARB to be certified to meet clean emission standards.



CARB's **Ocean Going Vessels** regulation is designed to reduce particulate matter (PM), nitrogen oxides (NOx), and sulfur oxides (SOx) from ocean-going vessels.



**Shore Power** reduces emissions from auxiliary diesel engines on passenger, cargo, and refrigerated-cargo ships through CARB's At-Berth regulation.



CARB's **Commercial Harbor Craft** regulation is intended to reduce particulate matter (PM) and NOx from diesel engines on commercial harbor craft operated within 24 nautical miles of the CA coast. The regulation includes requirements for new and in-use (existing) engines.



**Cargo Handling Equipment** investigations are led by CARB to identify opportunities to reduce emissions from idling at ports and intermodal rail yards.



For the **Heavy-duty Vehicle Inspection Program**, CARB regularly conduct inspections for:

- Diesel Emission Fluid (DEF): a liquid used as a reductant in heavy duty diesel engines to reduce NOx emissions.
- Emission Control Label (ECL): Engine certification labeling requirements.
- Smoke/Tampering: Requires heavy duty trucks/buses to be inspected .



CARB's **Statewide Truck and Bus** program requires all vehicles with 2009 or older engines weighing over 14,000 pounds to reduce exhaust emissions by upgrading to 2010 or newer engines by 2023. Non-compliant vehicles will be denied DMV registrations.

### How the Public Helps Reduce Air Pollution

Members of the public play an important role in communicating air quality concerns to both South Coast AQMD and CARB. The complaint process helps both agencies identify issues that are directly affecting the WCWL community. The most effective way to contact the agency is through the complaint hotlines. In addition to South Coast AQMD's mobile application, both agencies can be contacted by phone and online:

<p><b>CARB - Mobile Sources</b></p> <p><b>Automobiles, Trucks, Off-road Equipment, or other Vehicles</b></p> <p>Phone: 1-800-END-SMOG</p> <p>Online: <a href="http://calepa.ca.gov/enforcement/complaints">calepa.ca.gov/enforcement/complaints</a></p>	<p><b>South Coast AQMD - Stationary Sources</b></p> <p><b>Odors, Smoke, Dust, or other Air Contaminants</b></p> <p>Phone: 1-800-CUT-SMOG</p> <p>Online: <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></p>
---	---

Both CARB and South Coast AQMD value input from those who live and work every day in the community, and communicating air quality issues directly to the agencies with the information above is the best way to address an air pollution concern. Letting the agencies know of an issue when it is occurring rather than after the fact really helps our ability to find the source of the problem.

An effective complaint should contain information with specific details. This information helps inspectors conduct a thorough investigation and take appropriate enforcement action. The following information is valuable to a thorough complaint investigation:

- Type of air quality concern (odor, smoke, dust, etc.)
  - o Odors: description of odor
  - o Smoke: color of smoke; does the smoke disappear or hang in the air?
  - o Dust: type of dust (e.g., dust from construction sites or from wood cutting operations)
- Location of air pollution concern
- Name or address of potential source
- Time of day that the air quality issue began, and is the concern still occurring?
- Has the concern occurred before, and do other people in your community experience it as well?
- Contact information for the person reporting the complaint<sup>v</sup>

### Technology

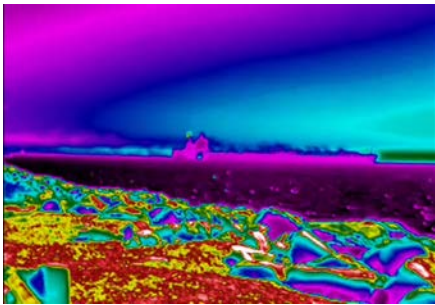
Both South Coast AQMD and CARB enforcement staff have embraced the use of technology as a means for more efficient and effective inspections. South Coast AQMD inspectors have access to advanced

<sup>v</sup> Although anonymous complaints are accepted, staff have found that having contact information helps with getting additional information to help with the investigation.

instruments to help identify air pollution issues in real-time. The following portable instruments are available to inspectors:

Figure 4-7: Portable instruments used by South Coast AQMD inspectors in the field

*Toxic Vapor Analyzers (TVA):* Inspectors can use TVAs to provide information about the level of certain gases in a specific area. This includes methane and volatile organic compounds (VOCs), which are emitted by petroleum sources and other types of sources.



*Infrared Cameras:* Inspectors can use specialized infrared cameras to view emissions of gases (including methane and VOCs) that would otherwise be invisible to the naked eye. This equipment enables inspectors to scan areas for emissions and quickly check for any large leaks at a facility.

*X-Ray Fluorescence (XRF):* Inspectors can use this handheld instrument to identify the types of chemicals that are on a surface or in a dust pile. This tool helps identify potential pollutants that are particles. For example, and XRF can be used to scan surfaces at a facility to identify which specific toxic metals may be deposited in that location, and which locations that have the highest levels of those toxic metals.



*H<sub>2</sub>S Analyzers (Jerome Meters):* Inspectors can use this handheld instrument to measure hydrogen sulfide gas levels in the air. This information can be used to identify a potential source of rotten egg type odors.

In addition, inspectors are trained on how to collect field samples, including air samples, liquid samples, or bulk material samples. These samples can then be provided to the South Coast AQMD laboratory or contract laboratories for analysis. The results of these analyses can be used as evidence to support investigations and/or Notices of Violation issued to air pollution sources.

South Coast AQMD regulates over 25,000 facilities, receives approximately 10,000 public complaints per year, and operates a vast air quality monitoring network; and CARB regulates mobile sources throughout the state. Analyzing the data that results from these efforts can provide insight into the trends and

sources of air pollution as well as new enforcement opportunities. Both agencies use information technology to enhance the ability to conduct investigations and enforce regulations. As an example, for CARB's truck fleet enforcement program, the traditional approach was to inspect several thousand trucks annually through fleet-based inspections. Starting in January 2018, CARB began the Streamlined Truck Enforcement Process (STEP), and is now able to conduct 20,000 to 25,000 inspections per year through the use of a data-driven approach, noncompliance letters, and a scheduled settlement process. South Coast AQMD's investigation of crude oil tankers is another example of using information technology in enforcement activities. Inspectors used mapping software, weather data, and ship databases to help identify an oil tanker as a potential source of emissions. The oil tanker was later issued a Notice of Violation when it berthed at a port near this community. These multi-faceted approaches can be applied to address other air pollution concerns in WCWL. Providing transparent access to the information that both agencies possess will lead to a stronger partnership with the community.

### The Interagency Approach

CARB and South Coast AQMD are committed to working with other agencies on joint initiatives that will directly result in cleaner air. The combined resources, expertise, and legal authorities of different agencies can create a well-rounded approach to the regulatory process that leverages their respective strengths to address issues that cumulatively impact public health. For example, the Los Angeles County Oil and Gas Strike Team is a group of multiple agencies that conducted crude oil production (oil well) inspections throughout Los Angeles County. Representatives from multiple agencies conducted inspections together, covering not only compliance with air, but also water, public health, and code enforcement.

Figure 4-8: Examples of agencies that routinely collaborate with South Coast AQMD and CARB



CARB partners with local agencies to create memoranda of understanding (MOUs), such as an agreement with South Coast AQMD to enforce CARB's greenhouse gas standards. In addition, CARB has already established partnerships with California DMV working on implementing registration holds for non-compliant trucks and buses, California Highway Patrol (CHP) to conduct roadside inspections, and other state and regional agencies to ensure we the agencies are supporting each other's enforcement efforts. Both South Coast AQMD and CARB have demonstrated experience working in close collaboration with

other regulatory agencies, cities and counties, public health agencies, and local police and fire departments to conduct investigations and provide public information about local air pollution sources.

### Enforcement Considerations

An effective enforcement program must be flexible and adaptable to address the needs of the communities. Part of being adaptable is the ability to identify and address gaps in the enforcement process, such as previously unknown facilities or new pollutants of concern. As revealed over the course of the public process for CERP development, one such gap has been a lack of communication with members of the community, who have firsthand experience with local emissions sources and whose input can be quite valuable to enforcement efforts. South Coast AQMD has therefore prioritized outreach and added new positions to interact directly with the AB 617 communities, including dedicated compliance staff assigned in those communities. Because South Coast AQMD organizes its enforcement division both by source type for technical specialization and by geographic region, there is not a single dedicated team for AB 617; rather, the effort is spread across multiple existing teams so that a larger number of complaints and potential violations of air quality rules can be identified and addressed.

In addition, both CARB and South Coast AQMD currently maintain extensive records of compliance-related activities through the use of databases and other digital resources. OCE uses these resources to track metrics such as complaints, inspections, and enforcement actions. The data provided in this chapter and Appendix 4 are derived from those databases. The particular statistics being tracked are also routinely reevaluated. For example, OCE recently added an Agency Technical Assistance metric for instances where South Coast AQMD was asked by another agency to assist in that agency's efforts, often by way of collecting samples or providing ambient air monitoring. CARB and South Coast AQMD will both continue to evaluate new metrics that may help to track and analyze inspectors' efforts in the AB 617 communities in order to attempt to identify more effective allocations of resources and/or potential solutions to air quality issues.

Finally, enforcement mechanisms exist that are designed to promote, and, if necessary, compel, compliance by regulated sources. As discussed above, after South Coast AQMD inspectors investigate complaints and/or conduct facility inspections, they can issue notices to comply or notices of violations. While notices to comply will generally require further action by a source, notices of violation are referred to the Office of the General Counsel, where penalties are negotiated. If no settlement is reached, a civil lawsuit can ultimately be filed in superior court. Ongoing non-compliance, however, may lead to a petition for an order of abatement before the Hearing Board, which would have the authority to require a facility to take certain actions to achieve compliance. CARB and South Coast AQMD have each had a presence in this community that has led to various enforcement actions against local facilities.<sup>vi</sup>

In sum, the compliance process seeks to ensure that all rules and regulations are followed through a fair and robust enforcement program, resulting in reduced air pollution emissions. Adaptability is crucial, whether in the programs overall, or in day-to-day operations, to ensure that community concerns are

---

<sup>vi</sup> Additional detail on South Coast AQMD and CARB enforcement actions can be found in Appendix 4.

addressed quickly and that enforcement action is taken when violations are identified. Both CARB and South Coast AQMD enforcement teams will continue to search for innovative strategies, lead in community transparency, and take swift action to address non-compliance.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5A:

## ACTIONS TO REDUCE AIR POLLUTION EMISSIONS OR EXPOSURES - OVERVIEW

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5a: Actions to Reduce Community Air Pollution

### Introduction

The Community Emission Reduction Plan (CERP) provides an overall path to reducing air pollution in the Wilmington, Carson, West Long Beach community. Through the development of the CERP the Community Steering Committee (CSC) identified air quality priorities based on sources of air pollution (e.g., refineries, marine ports, and railyards) that are of concern to the community. To reduce air pollution from these sources, the CSC developed a set of actions to be implemented by government agencies, organizations, businesses, and other entities.

### Community Air Quality Priorities

The community of Wilmington, Carson, West Long Beach identified refineries, oil drilling, marine ports, trucks, and railyards as air quality priorities. These sources of air pollution are often located close to homes, schools, and other community areas where the public can be exposed to harmful pollutants. As a result, reducing exposure to air pollution at schools ~~is~~ are also a priority for the community.

### Ongoing Efforts ~~efforts~~

The South Coast AQMD, CARB, and U.S. EPA have existing air quality regulations to reduce air pollution ~~that apply to facilities~~ from sources such as trucks and refineries. The relevant agencies enforce these regulations. Additionally, the South Coast AQMD and CARB have begun the process of developing new requirements that would further reduce air pollution from sources prioritized by the community.

### Chapter 5a Highlights

- Many new actions will be taken to address the community's air quality priorities
- South Coast AQMD will use a variety of ~~many different types of~~ strategies, such as regulations, incentives, outreach, enforcement, monitoring, and collaboration ~~more~~
- Many actions also rely on effective collaborations with other agencies, organizations, businesses, and entities ~~others~~
- The estimated emission reduction targets resulting from ~~mobile source incentives supported by~~ actions in this CERP are:
  - NOx: ~~40 to 50~~ 2,832 to 3,207 tons per year (tpy)
  - VOC: 64 tons per year
  - SOx: 11 tons per year
  - DPM: ~~0.5 to 0.6 tons per year~~ 20 tons per year
- ~~Additional emission reductions are achieved through actions that include strategies, such as, rule development and enhanced enforcement~~

### Opportunities for Action

In addition to the ongoing efforts described above, the CSC developed 18 new actions to reduce air pollution in the community. Each action is to be carried out based on a set of strategies, goals, and timelines. The entity (e.g., government agency or organization) responsible for the actions is also identified. The actions set forth in this chapter define a path to further reduce air pollution from sources in the Wilmington, Carson, West Long Beach community and provide additional protections at schools to reduce the amount of harmful air pollution exposure for the children who spend time at those schools. In some instances these actions reaffirm ongoing rule development efforts and provide new commitments for localized reductions, sharing of emissions data, timelines, and other related information.

### Emissions Reduction Targets

The actions in the CERP prioritize emissions reductions in the Wilmington, Carson, ~~and~~ West Long Beach community. The CERP includes emission reduction targets for nitrogen oxides (NOx), volatile organic compounds (VOC), sulfur oxides (SOx), and diesel particulate matter (DPM) emissions in the Wilmington, Carson, West Long Beach community that are based on these actions. Table 5a-1 below, provides a list of the overall emission reduction targets for the CERP and the type of actions that contribute to the targets.- Baseline emissions refers to expected future emissions without any new action or regulation beyond those already adopted.

Although past monitoring in this community has shown levels below the 24-hour and annual health standards for PM2.5, the actions in this plan will reduce PM2.5 even further. Directly emitted PM2.5 will be addressed through actions to reduce flaring and the actions to reduce PM from mobile sources. Examples include Action 3 in Chapter 5b to reduce flaring emissions from refineries and Action 2 in Chapter 5d to reduce emissions from heavy-duty trucks by replacing older, higher polluting trucks with newer, cleaner technology. In addition, precursors to PM2.5, such as NOx, SOx, and VOC will be addressed through actions to address community air quality priorities related to petroleum refineries as outlined in Table 5a-2.

Table 5a-1: CERP Emission Reduction Targets by 2024 and 2030 (or Earlier of Feasible)

<u>Emissions<sup>i</sup></u>	<u>NO<sub>x</sub></u>	<u>SO<sub>x</sub></u>	<u>VOC</u>	<u>DPM</u>
<u>2017 Emissions (tpy)</u>	<u>10,614</u>	<u>1,437</u>	<u>5,641</u>	<u>120</u>
<u>Projected 2024 Emissions Baseline (tpy)</u>	<u>8,819</u>	<u>1,659</u>	<u>5,306</u>	<u>86</u>
<u>Emission Reductions from CERP, by 2024 (tpy)</u>	<u>606</u>	<u>--</u>	<u>20.6</u>	<u>9</u>
<u>Emission Reductions from CERP, by 2024 (%)</u>	<u>7</u>	<u>--</u>	<u>&lt;1</u>	<u>10</u>
<u>Projected 2029 Emissions Baseline (tpy)</u>	<u>9,250</u>	<u>1,715</u>	<u>5,256</u>	<u>93</u>
<u>Emission Reductions from CERP, by 2030 (tpy)</u>	<u>3,207<sup>ii</sup></u>	<u>11</u>	<u>64</u>	<u>20</u>
<u>Emission Reductions from CERP, by 2030<sup>iii</sup> (%)</u>	<u>35%<sup>iv</sup></u>	<u>&lt;1%</u>	<u>&lt;1%</u>	<u>22%</u>

Refineries and Oil Drilling

The CSC identified five (5) different actions to address community air quality priorities related to petroleum refineries. These actions address sources at petroleum refineries, such as, flares, storage tanks, boilers, heaters, fluid catalytic cracking units (FCCUs), sulfur recovery units, and a coke calciner. Emission reductions from these sources will contribute to the overall emission reduction targets for the CERP and a target to reduce NO<sub>x</sub>, SO<sub>x</sub>, and VOC emissions from the refineries that are located in this community by 50%. Table 5a-2 below, provides a list of actions that will result in emission reductions from refineries and contribute to the overall emission reduction targets for the CERP by 2030.

<sup>i</sup> Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029. However, the emission reductions in this table target a 2030 completion date, due to the complexity of the efforts. While the baseline emissions were not calculated for 2030, staff expect the emissions to be similar to the 2029 estimates (details presented in Appendix 3B)

<sup>ii</sup> Based on maximum NO<sub>x</sub> emissions reductions that may be reduced from Action 5 in Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Rule 1109.1 – Refinery Equipment

<sup>iii</sup> Based on maximum NO<sub>x</sub> emissions reductions that may be reduced from Action 5 in Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Rule 1109.1 – Refinery Equipment

<sup>iv</sup> Percent calculated based on 2029 emissions baseline

Table 5a-2: Estimated Emission Reductions from Refinery and Oil Drilling Actions by 2030

Title of Action	Timeline <sup>va</sup>	Implementing Entity	Emission Reduction Targets (tpy) <sup>vib</sup>		
			NOx	SOx	VOC
<u>Initiate Rule Development to Amend Rule 1118 – Control of Emissions from Refinery Flares</u>	<u>beginning 2020</u>	<u>South Coast AQMD</u>	<u>19</u>	<u>11</u>	<u>1</u>
<u>Initiate Rule Development to Amend Rule 1178 - Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities</u>	<u>beginning 2021</u>	<u>South Coast AQMD</u>	<u>N/A</u>	<u>N/A</u>	<u>TBD</u>
<u>Achieve Further Reductions through Adoption of Proposed Rule 1109.1 – Refinery Equipment</u>	<u>beginning 2019</u>	<u>South Coast AQMD</u>	<u>1,095 to 1,460</u>	<u>N/A</u>	<u>N/A</u>
<u>Evaluate the Feasibility to Amend Rule 1148 Series and Rule 1173 to Reduce Emissions and Require Additional Monitoring</u>	<u>beginning 2020</u>	<u>South Coast AQMD</u>	<u>N/A</u>	<u>N/A</u>	<u>TBD</u>

Several actions in this chapter also emphasize emission reductions from fugitive emissions sources. For example, an action to reduce leaks from oil wells require enhanced air monitoring along with follow-up strategies (e.g., rule development and enforcement activities) to quantify and target reductions from fugitive emissions. Based on the information currently available, the resulting emission reductions from these actions cannot be estimated at this time. However, the CSC has determined that these sources of fugitive emissions should be addressed by the CERP to improve air quality in the Wilmington, Carson, West Long Beach community.

#### Mobile Sources – Neighborhood Truck Traffic, Ports and Railyards

Implementation of the CERP is estimated to reduce ~~from 40 to 50 tons per year~~ 1,700 tons per year (tpy) of NOx and from 0.5 to 0.6 tons per year 20 tpy of DPM emissions from mobile sources. These emissions estimates are based on future statewide mobile source measures from CARB and potential mobile source incentive projects to benefit this community as outlined by the actions in this chapter. ~~data from past mobile source incentive projects (e.g., replacing heavy-duty trucks with cleaner trucks and repowering marine engines with cleaner engine technologies).~~ Additionally, the estimated emissions reductions consider potential future mobile

<sup>va</sup>Please refer to Chapters 5b and 5e for details on the timeline for each action

<sup>vi</sup>Emission reduction targets that are TBD will be determined upon implementation of the action and based on available information, such as, air monitoring data gathered from the Wilmington, Carson, West Long Beach Community Air Monitoring Plan

~~source incentive projects that are targeted by the actions in this chapter. For example, Subchapter 5d – Neighborhood Truck Traffic, includes an action to reduce emissions from heavy-duty trucks. This action will be implemented by measures that require outreach to the owners and operators of heavy-duty trucks in the community. The CERP contains six different measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct ten outreach events in the community to recruit potential applicants for incentives.~~Future statewide mobile source measures that contribute to the estimated emission reductions in this community include the CARB Shore Power for Ocean-going Vessels At-Berth Rule, Advanced Clean Truck Rule, Heavy-Duty Low NOx Rule, and Heavy Duty Inspection and Maintenance. These measures support actions in the CERP that address Neighborhood Truck Traffic, Ports, and Railyards. Table 5a-2 below, provides a list of the statewide measures with expected decision dates, implementation periods, and estimated emission reductions.

**Table 5a-2: Estimated Emission Reductions from Mobile Source Incentives and Statewide Mobile Source Regulations by 2024 and 2030**

<u>Mobile Source Measure</u>	<u>Timeline<sup>vii</sup></u>	<u>Implementing Entity</u>	<u>Emission Reduction Targets 2024/2030 (tpy)</u>			
			<u>NOx</u>	<u>VOC</u>	<u>DPM</u>	<u>PM2.5<sup>viii</sup></u>
<u>Shore Power for Ocean-going Vessels At-Berth<sup>ix</sup></u>	<u>2019</u>	<u>CARB</u>	<u>431.2/1,268</u>	<u>20.6/62</u>	<u>7.2/19</u>	<u>6.7/28.0</u>
<u>Heavy-Duty Vehicle Inspection and Maintenance<sup>x</sup></u>	<u>2020</u>	<u>CARB</u>	<u>108/153</u>	<u>N/A</u>	<u>0.9/1.3</u>	<u>0.93/1.3</u>
<u>Advanced Clean Trucks Regulation<sup>xi</sup></u>	<u>2019</u>	<u>CARB</u>	<u>0.4/10.1</u>	<u>N/A</u>	<u>0.0/0.3</u>	<u>0.011/.22</u>
<u>Heavy-Duty Low NOx Rule<sup>xii</sup></u>	<u>2020</u>	<u>CARB</u>	<u>22/246</u>	<u>N/A</u>	<u>N/A</u>	<u>-/-</u>
<u>Mobile Source Incentives resulting from the CERP Actions</u>	<u>2020</u>	<u>South Coast AQMD</u>	<u>40-50/40-50</u>	<u>N/A</u>	<u>0.5-0.6/0.5-0.6</u>	<u>-/-</u>

As mentioned above, the estimated overall emissions reduction targets for this community also consider potential future mobile source incentive projects described by the actions in this chapter. For example, Chapter 5d – Neighborhood Truck Traffic includes an action to reduce

<sup>vii</sup>Timeline based on first CARB Board hearing dates for each measure or beginning of implementation for mobile source incentives.

<sup>viii</sup>Figure 3 in Chapter 3b shows that over three quarters of PM2.5 emissions are from fuel combustion, miscellaneous processes, and petroleum production and marketing. Not all of these sources were not identified as air quality priorities by the CSC. Nonetheless, PM2.5 will be reduced by the Statewide Mobile Source Regulations.

<sup>ix</sup>CARB's existing At-Berth Regulation already requires a large number of ships to connect to shore power when at-berth; hence, reducing emissions impacting the community. CARB is working through a public process to consider further reducing ship emissions at-berth by strengthening the regulation to cover more vessel visits and types of ships.

<sup>x</sup>CARB's current inspection programs include the roadside Heavy-Duty Vehicle Inspection Program and the fleet Periodic Smoke Inspection Program. These regulations require heavy-duty vehicles operating in California to be inspected for excessive smoke and make repairs where applicable.

<sup>xi</sup>CARB is working through the public process to develop and consider proposals for new approaches and strategies that may transition zero-emission technology to those truck fleets that operate in urban centers, have stop and go driving cycles, and are centrally maintained and fueled.

<sup>xii</sup> This rule would set new statewide engine standards for NOx emission reductions from trucks by 2026, and additional reductions including and after 2027. More information is available at: <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>.

emissions from heavy-duty trucks. This action will be implemented by measures that require outreach to the owners and operators of heavy-duty trucks in the community. The CERP contains six different measures focused on outreach efforts to incentivize the replacement of older, higher polluting equipment with newer, lesser polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct ten public outreach events in the community to recruit potential applicants for incentives. The estimated emission reductions for mobile source incentive projects in this community are estimated to be between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions.

~~Some actions in this chapter are likely to result in emissions reductions that are not quantifiable at this time. For example, Subchapter 5b — Refineries, includes an action that would require methods to reduce refinery flaring emissions through amendments to Rule 1118 — Control of Emissions from Refinery Flares. The target for this action is to reduce flaring by 50%, if feasible. However, reductions from this action would be quantified during the rule development process for Rule 1118 to provide staff an opportunity to evaluate technologies that provide emissions benefits to the community.~~

~~Based on the air quality priorities identified by the CSC, the actions in this chapter also emphasize emissions reductions from fugitive emissions sources. For example, the CERP includes actions to reduce leaks from refinery equipment, oil tankers, and oil wells. These actions require enhanced air monitoring along with follow up strategies (e.g., rule development and enforcement activities) to target emissions reductions from these fugitive emissions sources. Based on the information available, emissions reductions from these actions cannot be estimated at this time. However, the CSC has determined that these sources of fugitive emissions should be addressed by the CERP to improve air quality in the Wilmington, Carson, and West Long Beach community.~~



THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5B:

## REFINERIES

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5b: Refineries

### Background

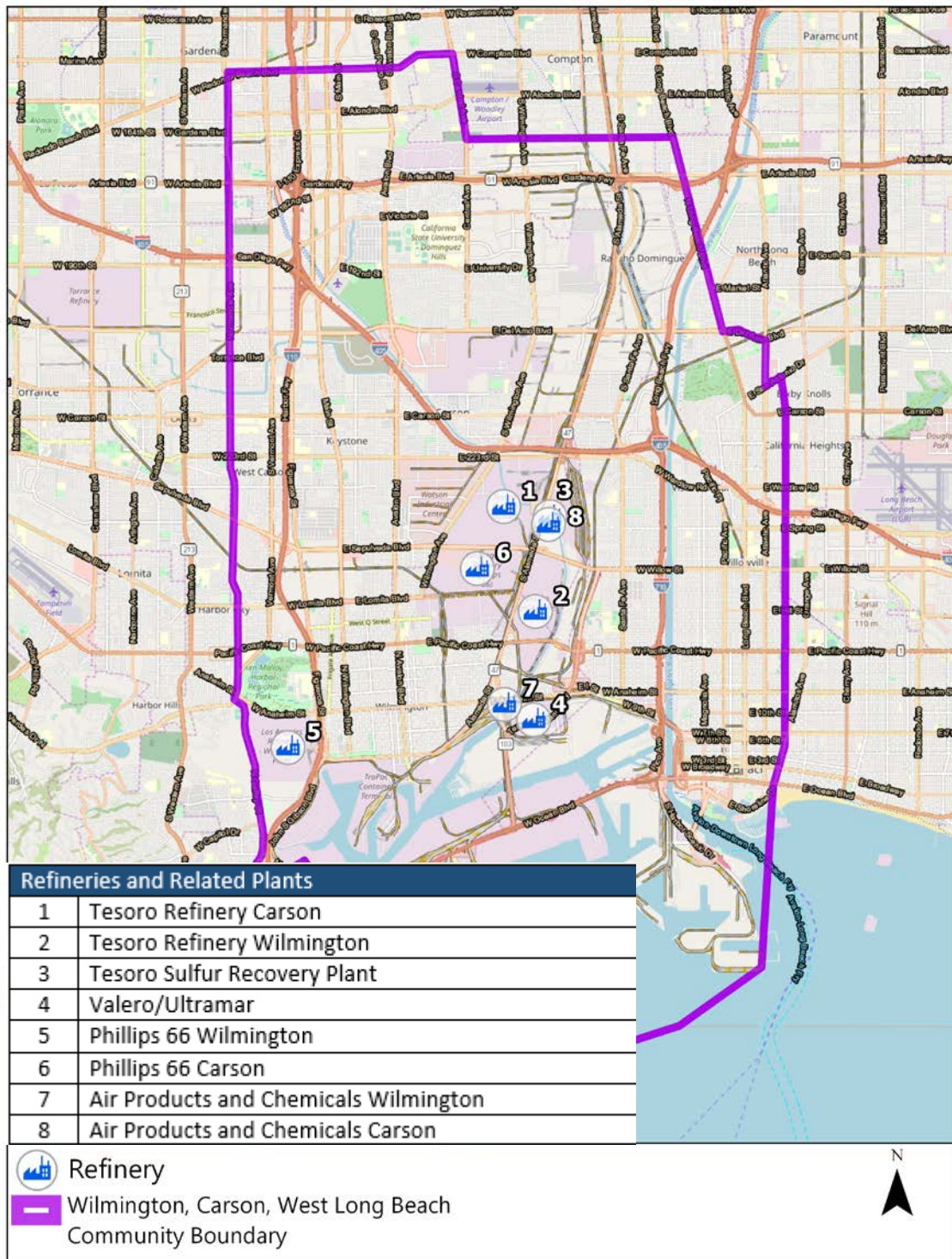
Petroleum refineries are among the largest stationary sources of air pollution in the South Coast Air Basin (SCAB). These sources process crude oil into various products, such as gasoline, diesel fuel, aviation fuel, and other products. Petroleum refineries also have other related processes at their facilities, for example, sulfur recovery and hydrogen production. Sulfur recovery plants convert hydrogen sulfide to elemental sulfur used for other industrial processes. Hydrogen production plants generate hydrogen, which is used in the refining and other processes.

The Wilmington, Carson, West Long Beach community includes five petroleum refineries, one sulfur recovery plant, and two hydrogen production plants. A general overview of the location and type of facilities is provided in Table 5b-1: Petroleum Refineries and Related Facilities in the Wilmington, Carson, and West Long Beach Community. Petroleum refineries, sulfur recovery plants, and hydrogen production plants are subject to rules and regulations adopted by the South Coast AQMD and other regulatory agencies. A list of South Coast AQMD regulations that apply to these facilities is provided in Appendix 5b.

Table 5b-1: Petroleum Refineries and Related Facilities in the  
Wilmington, Carson, West Long Beach Community

Name	Facility Type	Location
Air Products and Chemicals	Hydrogen Production Plant	Carson
Phillips 66	Refinery	Carson
Tesoro Refinery	Refinery	Carson
Tesoro	Sulfur Recovery Plant	Carson
Air Products and Chemicals	Hydrogen Production Plant	Wilmington
Phillips 66	Refinery	Wilmington
Tesoro Refinery	Refinery	Wilmington
Valero/Ultramar	Refinery	Wilmington

Figure 5b-1: Petroleum Refineries and Related Facilities within the Wilmington, Carson, West Long Beach Community



5b-2

### Community Air Quality Priority – Flaring Events and Refinery Process Equipment

~~Two~~ Three main air quality priorities related to refinery emissions were identified by the Wilmington, Carson, West Long Beach Community Steering Committee (CSC): (1) emissions from flaring events, ~~and~~ (2) emissions and leaks from refining process equipment and storage tanks, and (3) further emission reductions from refinery equipment. To address these priorities, the CSC has identified the potential need for additional regulation that requires more stringent air pollution controls on refinery process equipment and flaring, air monitoring to assess the feasibility of further reductions of fugitive VOC emissions, and an improved process for notifying the public of refinery flaring events and associated air emissions. Details for these actions are described below.

Figure 5b-3: A photograph of a flaring event at a refinery



Rule 1118 – Control of Emissions from Refinery Flares,<sup>1</sup> requires refineries to notify South Coast AQMD of all flaring events above a specified threshold. The CSC identified ways to improve the notification process for Rule 1118 and the need for additional information that would be important to community members during flaring events. For example, providing real-time air quality information could help community members make more informed decisions about outdoor activities during these events (e.g., outdoor exercise, etc.) to reduce exposure to emissions from these sources.

South Coast AQMD regulates emissions from refinery processes, including major process units, storage tanks, boilers and heaters. The CSC recommended more stringent requirements for refineries through implementing Best Available Retrofit Control Technology (BARCT) and other command-and-control regulations. The CSC has also noted NOx emissions from boilers, and heaters, and fugitive VOC emissions from storage tanks and possibly from other equipment (i.e., fugitive emissions leaks) as a priority.

### Ongoing Efforts

Ongoing rule development and air monitoring efforts by South Coast AQMD will help address some of these air quality priorities in the Wilmington, Carson, West Long Beach community. For example, South Coast AQMD staff is developing Proposed Rule 1109.1 – Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment.<sup>2</sup> In the rule development process for Proposed Rule 1109.1, South Coast AQMD staff is working with stakeholders to evaluate BARCT to further reduce NOx emissions from refinery equipment (e.g., boilers, heaters, coke calciners, fluid catalytic cracking units, gas turbines). The BARCT analysis includes a technology assessment for each class and category of equipment that considers actual emissions achieved, available technologies, and technologies on the forefront. The BARCT analysis will establish a NOx concentration limit for each class and category of equipment, taking into consideration the cost-effectiveness (dollars per ton of NOx reduced) of the different technology options, provided they are technologically feasible and cost-effective. The proposed rule may also incorporate emission limits to further reduce emissions.

Another example of ongoing efforts, is the implementation of Rule 1118 – Control of Emissions from Refinery Flares. Rule 1118 requires refineries and related facilities to notify the South Coast AQMD about flaring events that exceed specified limits. These notifications are part of the Flaring Event Notification System (FENS). FENS is being updated to include a user-friendly map identifying current flaring events, and to provide information regarding any upcoming and past flaring events.

Additionally, Rule 1180 – Refinery Fenceline and Community Air Monitoring,<sup>3</sup> requires petroleum refineries to conduct real-time fenceline air monitoring and provide fees to fund refinery-adjacent community air monitoring systems. These air monitoring systems will provide nearby communities with real-time air quality data for the most important pollutants that are associated with refineries. Information from these systems can also be used by refineries to identify and resolve potential leaks more quickly. Additional information on refinery fenceline and community air monitoring through Rule 1180, including the air monitoring plans, can be found on the South Coast AQMD's website: <https://www.aqmd.gov/home/rules-compliance/rules/support-documents/rule-1180-refinery-fenceline-monitoring-plans>.

Rule 1105.1 - Reduction of PM 10 and Ammonia Emissions from Fluid Catalytic Cracking Units (FCCUs)- was adopted in 2003 to control PM from the largest potential PM source at the refineries within this community. The rule established the strictest PM BARCT limits on this equipment, and those limits continue to be the strictest requirements anywhere in the country, both for new and existing FCCUs. To comply with Rule 1105.1, the refineries installed either electrostatic precipitators (ESPs) or scrubbers to meet the PM emissions standard and continue to operate these controls today. The Bay Area Air Quality Management District is conducting rulemaking activities for FCCUs. South Coast AQMD staff will continue to monitor the progress of that rulemaking effort to assess whether additional PM emissions reductions from FCCUs are feasible.

#### Opportunities for Action to Reduce Emissions from Oil Refineries

In addition to the ongoing ~~rule development and air monitoring~~ efforts described in this chapter, the CSC identified specific actions to address community priorities related to petroleum refineries. The actions will contribute to the overall emission reduction goals for refineries in this community presented in Table 5b-2.

These overall emission reduction goals for criteria pollutants and associated air toxic pollutants (e.g., reductions in benzene as part of VOCs) in this community are consistent with other basin-wide planning measures adopted by the South Coast AQMD.<sup>4</sup> The details for all refinery-related CERP actions are described below.



Table 5b-2: Refinery Emission Reduction Goals by 2030

<u>Pollutant(s)</u>	<u>Minimum Emission Reduction Goal by 2030 (or earlier if feasible)*</u>	<u>Actions and Notes</u>
<u>NO<sub>x</sub></u>	<u>50%</u>	<u>Reductions primarily from Proposed Rule 1109.1. Some reductions from flaring under Proposed Amended Rule 1118.</u>
<u>VOCs (and associated air toxics such as benzene)</u>	<u>50%</u>	<u>Applies to fugitive emissions, flaring, and unidentified leaks. Baseline emissions to be assessed by advanced air monitoring techniques, and the progress identified as the ratio of baseline and future measurements using the same methods. Reductions to be achieved through amendments to Rules 1178, 1118, and/or 1173, as well as more rapid Leak detection and response enabled by advanced air measurements.</u>
<u>SO<sub>x</sub></u>	<u>50%</u>	<u>Applies to flaring emissions (Rule 1118). SO<sub>x</sub> RECLAIM program re-assessment may also contribute to additional reductions.</u>

\* The NO<sub>x</sub> emission reduction goals are consistent with the estimated emission reductions from refinery facilities in the Wilmington, Carson, West Long Beach community based on the 2016 AQMP measure CMB-05. NO<sub>x</sub>, SO<sub>x</sub>, and VOC Emission reduction goals are subject to future assessments and regulatory analyses.

### Action 1: Improve Refinery Flaring Notifications

#### Course of Action:

- Work with stakeholders, including the CSC, to gather input on identifying specific information fields to include in the notifications (e.g., access to fence line and community air monitoring data, and ways to reduce exposure to flaring emissions)
- Work with local public health departments to develop informational outreach materials for the community to describe the risks posed by emissions from refinery flaring, and how to reduce exposures
- Hold workshops in the community to provide information on flaring and training on how to use these notification systems
- Provide flare emissions data in a user-friendly format on the South Coast AQMD's website and/or the mobile application
- Collaborate with the CSC (e.g., community-based organizations and others) on community air monitoring efforts



<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> <li>Collaboration</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>Work with stakeholders to gather input on <u>information fields</u> to incorporate into flare notifications</li> <li>Develop informational public health outreach materials that provide guidance on reducing exposure to refinery flaring emissions</li> <li>Implement flare notification improvements</li> <li>Hold community workshops to provide training on how to use notification systems</li> <li>Provide quarterly or biannual updates to the CSC on progress</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li><u>Second half of 2019, provide a summary of flare emissions data from the Rule 1118 quarterly reports</u></li> <li>First quarter of 2020, initiate process to work with the California Energy Commission (CEC) and other stakeholders, on additional improvements to refinery flaring notifications</li> <li>Second quarter of 2020, initiate process to work with the local public health departments to develop outreach materials</li> <li>Third quarter of 2020, begin providing quarterly or biannual updates to CSC on efforts on refinery flaring event notifications</li> <li>2021, hold community workshops to provide training on how to use the notification system</li> <li><del>Second half of 2019, provide a summary of flare emissions data from the Rule 1118 quarterly reports</del></li> <li>Continue collaborating with CSC on community air monitoring</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Improve flaring event notifications for the public, host community workshops for training on updated notification system</li> <li>Provide informational outreach for materials developed with Departments of Public Health</li> <li>Provide summaries of flare emissions data from the Rule 1118 quarterly reports</li> </ul>
Los Angeles Department of Public Health	Collaborate with South Coast AQMD to develop outreach materials for communities to distribute at key locations, such as schools, civic centers, and activity centers

Long Beach Department of Public Health	<del>Collaborate with South Coast AQMD to develop outreach materials for communities to distribute at key locations, such as schools, civic and activity centers</del>
CSC Members	Conduct community air monitoring that is complementary to South Coast AQMD community <u>air</u> monitoring efforts
Additional Information:	
Requirements for 1118 (Refinery Flaring Activities): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf</a>	

## Action 2: Conduct Refinery Air Measurements ~~Monitoring~~ to Identify and Address VOC Leaks

### Course of Action:

- Conduct periodic mobile air measurement surveys and FLIR gas imaging in and around refineries
- ~~Follow-up with inspections, as needed~~ Utilize more efficient and effective leak detection systems known as advanced measurement techniques (Smart LDAR), such as Fourier transform infrared spectroscopy (FTIR), Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS), Solar Occultation Flux (SOF) and infrared cameras, to identify, quantify, and locate VOC leaks in real time, allowing for faster repair in a manner that is less time consuming, labor intensive, and potentially more comprehensive than traditional LDAR

### Strategies:

- Air Monitoring
- Enforcement

### Goals:\*

- ~~Use Begin initial periodic mobile monitoring~~ air measurement surveys -at for each of the eight facilities (petroleum refinery as described in the course of action above to:
  - Identify leaks from storage tanks and other equipment to characterize and mitigate potential leaks
  - Follow-up on previously identified leaks
- If data collected from periodic mobile air measurements, FLIR gas imaging or fence line air monitoring suggests persistent elevated VOC levels of health or compliance concern then conduct on-site refinery air monitoring, and inspect facility equipment for compliance with South Coast AQMD rules
- Establish Smart LDAR techniques to identify, quantify, and locate leaks in real-time allowing for faster repair of equipment

\* Emission reduction goals are subject to future assessments and regulatory analyses.

- Establish a 2020 emissions baseline for fugitive VOCs from all refineries in this community using a combination of various technologies, methods, and activities including:
  - Periodic mobile optical remote sensing (ORS) measurement surveys;
  - Analysis of Rule 1180 refinery fenceline and community air monitoring data;
  - Analysis of refinery LDAR program records;
  - Refinery emission information collected during previous South Coast AQMD studies; and
  - FLIR gas imaging cameras information
- Work with the CSC to perform an assessment to determine the feasibility of reducing fugitive VOC emissions from refineries below the 2020 baseline emission levels by:
  - 25% beginning in 2024, and
  - 50% beginning in 2030
- Develop a strategy to reduce fugitive emissions to achieve the VOC emission goals stated above including amendments to Rules 1178 and 1173, as appropriate
- Provide quarterly or biannual updates to the CSC on progress of the above goals
- ~~Conduct follow-up inspections on an as-needed basis~~
- ~~Provide quarterly or biannual updates to the CSC on progress~~

**Estimated Timeline:**

- ~~Summer~~ Third quarter of 2019, begin conducting mobile monitoring air measurement surveys at refineries, and conduct follow-up inspections as needed
- Third quarter of 2019, begin providing quarterly or biannual updates to the CSC on refinery monitoring air measurement efforts to identify and address VOC leaks
- Beginning January 2020 to January 2021, conduct periodic VOC measurements to obtain one full year of data and establish an emissions baseline
- First quarter of 2020, explore Smart LDAR technologies and programs, begin evaluating Rule 1180 fenceline air monitoring results, and begin working with refineries to develop a fugitive emission reduction plan to achieve VOC emission reduction goals of:
  - 25% by 2024
  - 50% by 2030
  - ~~Begin evaluating Rule 1180 monitoring results~~
  - ~~If data suggest persistent elevated levels, conduct on-site refinery monitoring and equipment compliance inspections, and take enforcement actions where appropriate~~
  - ~~Identify whether Rule 1180 fenceline or community monitoring locations need to be modified to capture air pollution levels in critical areas~~
  - Explore Smart LDAR technologies and programs

Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Conduct mobile <del>monitoring</del> <u>air measurements</u>, and <u>emission measurements</u>, evaluate data, evaluate Smart LDAR, and conduct follow-up inspections as needed, and enforcement action where appropriate</li> </ul>
Refineries and related <del>plants</del> <u>facilities</u> (see Figure 5b-1)	<ul style="list-style-type: none"> <li>Work with South Coast AQMD staff to develop protocols (e.g., safety protocols) to conduct <u>air monitoring</u> (e.g., mobile <del>monitoring</del> <u>air measurements</u>) inside refineries and related plants, if fenceline or community <u>air monitoring</u> systems show ongoing elevated emissions levels</li> <li>Work with South Coast AQMD on enhanced leak detection and repair programs</li> <li><u>Provide South Coast AQMD with the LDAR program and other relevant records required to establish the baseline fugitive emission levels in 2020</u></li> <li><u>Address all identified leaks</u></li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>Requirements for 1180 (Refinery Fenceline and Community <u>Air Monitoring</u>): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1180.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1180.pdf</a></li> <li>Optical Remote Sensing pilot project: <a href="http://www.aqmd.gov/docs/default-source/fenceline_monitoring/project_2/fluxsense_project2_2015_final_report.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/fenceline_monitoring/project_2/fluxsense_project2_2015_final_report.pdf?sfvrsn=6</a></li> <li>Smart Leak Detection and Repair: <a href="http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/appendix-iv-a.pdf">http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/appendix-iv-a.pdf</a></li> </ul>	

### Action 3: Initiate Rule Development to Amend Rule 1118 – Control of Emissions from Refinery Flares ~~Evaluate and Require Methods to Reduce Refinery Flaring Emissions through Amendments to Rule 1118~~

#### Course of Action:

- Compile the number of Rule 1118 flare events at each refinery from 2008 to 2018 and share results with CSC
- Evaluate additional methods and practices to further reduce flaring events (e.g., methods to reduce power failures), including the consideration of existing scoping documents submitted for Rule 1118 requirements

<ul style="list-style-type: none"> <li>• <u>Develop Amendments to Rule 1118 to further reduce flaring, for example, consider additional requirements/provisions that could be considered are require:</u> <ul style="list-style-type: none"> <li>– <u>Lower performance targets and/or increased penalties or mitigation fees;</u></li> <li>– <u>Increased capacity of vapor recovery systems to store gases during shutdowns;</u></li> <li>– <u>Header modification for gas diversion with process controls;</u></li> <li>– <u>Back-up power systems for key process units;</u></li> <li>– <u>Remote optical sensing for flare emissions characterization;</u></li> <li>– <u>Lower-emission flaring technologies; and</u></li> <li>– <u>Additional flare minimization plans for all refineries</u></li> </ul> </li> <li>• <u>Develop an improved system for refineries to submit flare emission data, and to be able to display data on South Coast AQMD's webpage for easy user/public access</u></li> <li>• <u>Emission Reduction Target: reduce flaring by 50%, if feasible</u></li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Rules and Regulations</li> </ul>	
<b>Goals:*</b>	
<ul style="list-style-type: none"> <li>• <u>Reduce flaring events and/or emissions by 50%, if feasible</u><del>If determined to be feasible, reduce refinery flaring emissions by at least 50%</del></li> <li>• <u>Contribute to the overall refinery emission reduction goals of a 50% reduction in NOx, VOCs, and SOx by 2030 (approximately 19 tpy NOx, 11 tpy SOx, and 1 tpy VOC)</u></li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• <u>By first quarter 2020, begin compiling the number of Rule 1118 flare events at each refinery from 2008 to 2018</u></li> <li>• <u>First half of 2020, initiate rule development activities</u><del>and hold first working group meeting</del></li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Evaluate the feasibility of requirements to reduce emissions from refinery flaring</li> <li>• Conduct rule development</li> </ul>
CSC Members	<ul style="list-style-type: none"> <li>• Participate in the South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.)</li> </ul>
<u>Refineries and related facilities</u>	<ul style="list-style-type: none"> <li>• <u>Participate in the South Coast AQMD rule development process</u></li> </ul>
<b>Additional Information:</b>	
<b>Requirements for Rule 1118 (Refinery Flaring Activities):</b> <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf</a>	

\* Emission reduction goals are subject to future assessments and regulatory analyses.

## Action 4: Initiate Rule Development to Amend Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

### Course of Action:

- Compile storage tank information (e.g., universe, volume, content, etc.) and share results with CSC
- Based on results of the air monitoring conducted as part of Action #2, Evaluate the feasibility to of improving leak detection and repair programs using {Smart LDAR}, such as, infrared cameras and optical remote sensing for earlier detection and quicker programs for repair of leaks from storage tanks at refineries through amendments to Rule 1178
- Develop proposed amendments to Rule 1178 that consider the following requirements to further VOC emission reductions from refinery storage tanks:
  - Increase frequency of visual inspections of seals and gaskets;
  - Require use of enhanced leak detection tools (e.g., forward-looking infrared (FLIR) cameras and optical remote sensing) to further identify more quickly and mitigate leak emissions from storage tanks at refineries;
  - Annual third party audits (to be selected by the South Coast AQMD); and
  - Other leak prevention and emission reduction technologies including domed roofs
- Explore opportunities to incorporate new, advanced tools to modernize and improve LDAR programs for storage tanks at refineries

### Strategies:

- Rules and Regulations
- Air Monitoring
- Enforcement

### Goals:\*

- Amend Rule 1178 to improve LDAR programs to further reduce emissions from storage tanks at refineries. Contribute to the overall 50% VOC emission reduction goal

### Estimated Timeline:

- First quarter of 2021 complete one year (2020) of refinery fenceline air quality monitoring (pursuant to Rule 1180) as well as advanced air monitoring pursuant to Action #2
  - 2020, begin assessment of sources, and identify additional tools for early detection and proactive measures
- 2021, establish baseline emissions based on air monitoring and initiate rule development for amendments to Rule 1178 and hold the first working group meeting

\* Emission reduction goals are subject to future assessments and regulatory analyses.

Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Evaluate the feasibility of requirements to <u>identify and mitigate</u> <del>reduce</del> fugitive <u>VOC</u> emissions from storage tanks at refineries</li> <li>Conduct rule development</li> </ul>
CSC Members	<ul style="list-style-type: none"> <li>Participate in the South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.)</li> </ul>
<u>Refineries and related facilities</u>	<ul style="list-style-type: none"> <li>Participate in the South Coast AQMD rule development <u>process</u></li> </ul>
Additional Information:	
Requirements for Rule 1178 (Storage Tanks at Petroleum Facilities): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1178.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1178.pdf</a>	

### Action 5: Achieve Further NO<sub>x</sub> Emission Reductions from Refinery Equipment Through Adoption of Rule 1109.1 – Refinery Equipment

#### Course of Action:

- Evaluate the technical feasibility and cost-effectiveness of BARCT to reduce NO<sub>x</sub> emissions from refinery equipment including existing boilers, heaters, gas turbines, fluid catalytic cracking units, sulfur recovery units, incinerators, and a coke calciner
- Require the installation of BARCT through the adoption of Rule 1109.1
- Explore opportunities to replace older equipment with newer, more efficient, and less emitting equipment with pollutant co-benefits
- Incorporate new, advanced tools to assist in more efficient operation of equipment at refineries
- Engage the CSC in the rulemaking process, with regular updates to the CSC and possible rule working group meetings in the community

#### Strategies:

- Rules and Regulations

#### Goals:\*

- By December 31, 2023 require refineries to demonstrate compliance with NO<sub>x</sub> emission limits<sup>1</sup>

\* Emission reduction goals are subject to future assessments and regulatory analyses.

<sup>1</sup>The compliance date of December 31, 2023 is estimated and may be longer. Compliance period takes into consideration the number of pieces of equipment at a facility, installation of pollution controls on an existing piece of equipment versus equipment replacement, facility modernization projects where a group of equipment are replaced, and permitting, construction, installation, commissioning, and testing of equipment.

<ul style="list-style-type: none"> <li>• <u>Achieve the majority of the overall goal of the overall 50% NOx emission reduction target (approximately 3-4 tpd or 1,095 to 1,460 tpy)</u></li> </ul>	
<u>Estimated Timeline:</u>	
<ul style="list-style-type: none"> <li>• <u>2019 and first half of 2020, continue with site visits, vendor meetings, stakeholder working group meetings and expert consultation on rule development</u></li> <li>• <u>By first quarter of 2020, hold one stakeholder working group meeting in the Wilmington, Carson, West Long Beach community</u></li> <li>• <u>By third quarter of 2019, provide an inventory of refinery boilers and heaters, size, fuel type, emissions, if the unit has CEMS, the type of pollution controls, and if the unit is being considered for BARCT</u></li> <li>• <u>Consider Adoption of Proposed Rule 1109.1 in 2020 with an implementation schedule established during rule development</u></li> </ul>	
<u>Implementing Agency, Organization, Business or Other Entity:</u>	
<u>Name:</u>	<u>Responsibilities:</u>
<u>South Coast AQMD</u>	<ul style="list-style-type: none"> <li>• <u>Evaluate the technical feasibility (e.g., equipment availability, reasonable space constraints) and cost-effectiveness of control technology to reduce emissions from refinery equipment</u></li> <li>• <u>Establish BARCT limits</u></li> <li>• <u>Adopt proposed rule and enforce requirements</u></li> </ul>
<u>CSC Members</u>	<ul style="list-style-type: none"> <li>• <u>Participate in the South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.)</u></li> </ul>
<u>Refineries and related facilities</u>	<ul style="list-style-type: none"> <li>• <u>Participate in the South Coast AQMD rule development process</u></li> </ul>
<u>Additional Information:</u>	
<u>Rule development for Rule 1109.1 (Refinery Equipment):</u> <a href="http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/proposed-rule-1109-1">http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/proposed-rule-1109-1</a>	

## References

1. South Coast AQMD, Rule 1118 - Control of Emissions from Refinery Flares, 7 July 2017, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf>, Accessed May 2019.
2. South Coast AQMD, Proposed Rule 1109.1 - Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment, 2020, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1109.1>, Accessed May 2019.



3. South Coast AQMD, Rule 1180 - Refinery Fenceline and Community Air Monitoring, 1 December 2017, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1180.pdf>, Accessed May 2019.
4. South Coast AQMD, 2016 AQMP, Control Measures CMB-05: Further NOX Reductions from RECLAIM Assessment, and FUG-01: Improved Leak Detection and Repair, March 2017, <https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15>, Accessed August 2019.

---

# CHAPTER 5C:

## PORTS

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5c: Ports

### Background

The Ports of Los Angeles and Long Beach (Ports) combined are the busiest ports in the United States and the ninth busiest port complex in the world. Almost 40% of containers imported to the United States pass through the Ports. As a result, the Ports are important to the local and regional economy and support hundreds of thousands of jobs.

Cargo is delivered to and from the Ports by ships, trucks, and trains. In 2018 the Ports handled 48,000 containers (i.e., twenty-foot container units) of goods per day (or 17.5 million containers per year). Containerized volume of goods has grown by almost 11% between 2012 and 2016. The overall volume of cargo activity at the Ports is expected to increase more than 200 % by 2035.

Figure 5c-1: Satellite view of the Ports of Los Angeles and Long Beach



### Community Air Quality Priorities – Zero- and Near-Zero Technology, Oil Tanker Leaks, and Targeted Enforcement

The Wilmington, Carson, West Long Beach community identified the Ports as an air quality priority. Sources of air pollution at the Ports include, ocean-going vessels, commercial harbor craft (e.g., ferries, tugboats, fishing boats), cargo handling equipment (e.g., yard trucks, forklifts, reach stackers), drayage trucks, and other equipment. The Community Steering Committee (CSC) recommended the following to reduce emissions from these sources:

- Implementation of zero- (preferred when available) and near-zero emission technologies through incentive opportunities and regulation,
- Targeted or enhanced enforcement of existing CARB regulations (e.g., Drayage Truck and Ocean-Going Vessels Fuel Regulation), and
- Detection of leaks from oil tankers at-berth.

### Ongoing Efforts

Ongoing efforts to reduce emissions from the Ports, include CARB regulations and measures in the Ports 2017 Clean Air Action Plan (CAAP). Information about these efforts is provided below.

#### South Coast AQMD's Facility-Based Mobile Source Measure (FBMSM)

South Coast AQMD staff has ~~initiated~~<sup>initiated</sup> a public process to develop a Memorandum of Understanding (MOU) with the Ports. The MOU is intended to reduce emissions from

implementing elements of the 2017 CAAP and requires approval by the South Coast AQMD Governing Board and the Port's ~~Boards~~.

### Annual Emissions Reporting

The Ports each develop an annual emissions inventory. These inventories serve as the primary tool to track the Ports' efforts to reduce emissions through the implementation of state, federal, and international regulations and measures in the Ports CAAP. The emissions inventories cover port-related mobile sources including ocean-going vessels, cargo handling equipment, commercial harbor craft, heavy-duty trucks, and locomotives. The Port of Los Angeles has conducted an annual emissions inventory since 2005 starting with a 2001 baseline.<sup>1</sup> The Port of Long Beach has also conducted an annual emissions inventory since 2005 and also did a special baseline report for 2002.<sup>2</sup>

### State Actions (CARB)

#### CARB's Drayage Truck Regulation<sup>3</sup>

This regulation reduces air toxics and criteria pollutant emissions from drayage trucks. A drayage truck is any in-use on-road vehicle with a gross vehicle weight rating of greater than 26,000 pounds used for transporting cargo to and from ports and intermodal railyards. The regulation requires all drayage trucks to operate with an engine that is a 2007 model year or newer. Drayage trucks must also meet the requirements of the CARB Truck and Bus Regulation, which requires that all drayage trucks must have 2010 model year or newer engines by January 1, 2023.

Figure 5c-2: Example of a drayage truck



#### CARB's Mobile Cargo Handling Equipment (CHE) Regulation<sup>4</sup>

The Mobile Cargo Handling Equipment Regulation was developed to reduce diesel particulate matter (PM) and nitrogen oxides (NOx) emissions from diesel-fueled mobile CHE at California's ports and intermodal railyards. This equipment can be used to lift or move containers, bulk or liquid cargo, or to perform routine or predictable maintenance and repair activities. CHE includes equipment such as yard trucks, top handlers, side handlers, reach stackers, forklifts, rubber-tired gantry cranes, aerial lifts, and other types of equipment used in maintenance operations. The existing CHE regulation, which was fully implemented in December 2017, required cleaner diesel equipment for existing fleets of equipment.

In March 2018, CARB presented a plan to begin developing a new regulation to minimize emissions and further reduce community health impacts from CHE. CARB is assessing the availability and performance of zero-emission technologies. The new regulation is expected to be considered for adoption in 2022. These regulatory updates would potentially take effect in

2026. CARB would prioritize the earliest implementation in or adjacent to the communities most impacted by air pollution.

Figure 5c-3: Mobile cargo handling equipment



#### CARB's Commercial Harbor Craft Regulation<sup>5</sup>

The Commercial Harbor Craft Regulation reduces NO<sub>x</sub> and PM emissions from diesel engines on commercial harbor craft vessels. The regulation applies to all commercial harbor craft vessels including, but not limited to, ferries, excursion vessels, tugboats (including ocean-going tugs), towboats, push boats, crew and supply vessels, barge and dredge vessels, work boats, pilot vessels, and commercial and charter fishing boats. The existing regulation requires certain existing commercial harbor craft to meet specific engine standards

Figure 5c-4: Example of a tugboat (commercial harbor craft)



established by U.S. EPA (e.g., Tier 2 or Tier 3 standard) for main and auxiliary engines. A number of harbor craft operating at the Ports have been voluntarily repowered with cleaner engines through incentive funding programs designed to reduce emissions (e.g., Carl Moyer program<sup>6</sup>).

#### CARB's At-Berth (Shore Power) Regulation<sup>7</sup>

The At-Berth (Shore Power) Regulation reduces PM and NO<sub>x</sub> emissions from auxiliary engines on ocean-going vessels while at-berth at California ports. Fleets affected by the regulation include those composed of container vessels, passenger vessels, or refrigerated cargo vessels. The At-Berth Regulation phased in over time and fleets were required to meet 50% reductions in 2014, and 70% reductions in 2017. By January 1, 2020, more stringent requirements will be in effect, reaching 80% reductions.

Fleets at-berth must limit or reduce emissions with one of two options: the Reduced Onboard Power Generation Option (relies on the use of shore-based electrical power), or the alternative Equivalent Emissions Reduction Option. Under the Reduced Onboard Power Generation Option,

fleets must reduce their total auxiliary engine power at-berth by 80% with shore power, while also using shore power on at least 80% of their vessel calls. Under the Equivalent Emission Reduction Option, fleets must reduce their total NO<sub>x</sub> and PM emissions at-berth by 80% with shore power or another approved alternative technology. These control measures include the use of one or more emission control techniques, such as grid-based shore power, natural gas-fueled engines, emission controls installed on the vessels (e.g., particulate control traps, selective catalytic reduction units, alternative fuels, etc.), or emission controls installed at the wharf (e.g., a bonnet emission capture and treatment system).

CARB staff is currently developing a replacement regulation for Ships At-Berth that would require more stringent compliance rates for regulated vessels and the addition of other vessel types.

### [CARB's Ocean-Going Vessels - Fuel Rule<sup>8</sup>](#)

Ocean-Going Vessels - Fuel Rule requires the use of low sulfur marine distillate fuels in order to reduce PM, diesel PM, NO<sub>x</sub>, and SO<sub>x</sub> from ocean-going vessels within 24 nautical miles of the California coast. The sulfur content limits for marine fuels used in ocean-going vessel main (propulsion) diesel engines, auxiliary diesel engines, and auxiliary boilers were phased in from 2009 to the current limit of 0.1% sulfur which went into effect in January 2014.

### [San Pedro Bay Ports Clean Air Action Plan \(CAAP\)<sup>9</sup> - Port of Long Beach and Port of Los Angeles](#)

Since the adoption of the original CAAP in 2006, the CAAP strategies in conjunction with state, federal and international regulations have reduced PM, NO<sub>x</sub>, and SO<sub>x</sub> emissions from the Ports. The recently updated 2017 CAAP provides new strategies to further reduce pollution from sources operating in and around the Ports (e.g., ships, trucks, trains, harbor craft, and cargo handling equipment). Ships are the largest source of NO<sub>x</sub> emissions at the Ports. To address ship emissions, the Ports provide financial incentives for ships with the cleanest engines or ships equipped with emission-reducing technologies. The Ports also provide funding for ships participating in a technology demonstration program through the joint Technology Advancement Program (TAP).<sup>10</sup> In addition, the Ports implement the Vessel Speed Reduction (VSR) Program<sup>11, 12</sup> by providing financial incentives for ships to reduce speeds within 40 nautical miles of Point Fermin which results in less emissions from the ship's main engines.

The 2017 CAAP includes a Clean Trucks Program. Beginning in 2020, under this program, all heavy-duty trucks will be charged a rate to enter the Ports' terminals, with exemptions for trucks that are certified to meet or exceed the near-zero standard. By 2035, only trucks that are certified to meet zero-emissions will be exempt from the rate. Initiation of the truck rate is contingent on certain elements (e.g., an economic study to establish the rate).<sup>13</sup> Implementation of this rate will provide a source of funding to further invest in clean trucks, as well as provide incentives for truck owner/operators to use cleaner vehicles. The Ports will also work with terminal operators through the terminals' procurement planning process to promote and require the use of near zero and zero-emission terminal equipment. CARB will also be considering a Zero-



Emissions Drayage Truck Rule<sup>14</sup> in 2022.<sup>15</sup> The implementation of this rule will likely begin in 2026 or later.

#### *Additional Efforts by The Ports*

The Ports have several near-zero and zero-emission demonstration projects in progress. The South Coast AQMD and both ports are co-funding several on- and off-road vehicles and equipment technology demonstration projects (e.g., zero-emission locomotives, Daimler's Zero-Emission Heavy-Duty Trucks). The Ports have also received grants from CARB and CEC for other technology demonstration projects. Additionally, the Port of Long Beach and Southern California Edison are collaborating on pilot electric infrastructure projects on terminals.

#### Opportunities for Action

In addition to the ongoing efforts described in this chapter, the CSC identified specific actions to address community priorities related to addressing the committee's concerns around emissions from sources at the Ports. The actions are described below.

Action 1: Reduce Leaks from Oil Tankers
Course of Action(s):
<ul style="list-style-type: none"> <li>Use optical gas imaging technology, air <del>monitoring</del><u>measurements</u>, and other available emissions information to identify potential fugitive emission leaks from oil tankers and conduct targeted enforcement of Rule 1142 – Marine Tank Vessel Operations</li> <li>Evaluate opportunity to amend South Coast AQMD Rule 1142 to require marine vessels to calibrate and maintain pressure relief devices and require recordkeeping, with the goal of minimizing fugitive emission leaks</li> </ul>
Strategies:
<ul style="list-style-type: none"> <li><u>Air</u> Monitoring</li> <li>Enforcement</li> <li>Collaboration</li> </ul>
Goal(s):
<ul style="list-style-type: none"> <li>Conduct surveillance and air <del>monitoring</del><u>measurements</u> that focuses on looking at coastal sources of pollution and evaluate data on a regular basis to identify potential leaking vessels</li> <li>Provide quarterly or <del>biannual</del><u>semiannual</u> updates to the CSC on South Coast AQMD enforcement activities regarding fugitive emission leaks from oil tankers</li> <li>Collaborate with CARB and United States Coast Guard to evaluate pressure relief valve calibration and maintenance methods, and effectiveness in preventing fugitive emission leaks</li> </ul>
Estimated Timeline(s):



<ul style="list-style-type: none"> <li>Beginning mid-2020, provide the CSC with quarterly updates on surveillance <u>and monitoring air measurement</u> activities for oil tanker leaks</li> <li>Beginning 2020, commence evaluation of pressure relief valve calibration and maintenance methods for possible rule amendment</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	Use optical gas imaging technology to identify oil tankers with fugitive leaks and board marine vessels to evaluate potential violations with Rule 1142. <u>Evaluate opportunities to improve (if a large number of Rule 1142 through a violations are found, assess potential rule amendment.)</u>
CARB	Conduct enhanced inspections to ensure compliance with CARB's regulations
<u>Tenants of the Ports</u> (Los Angeles and Long Beach)	Work with South Coast AQMD, CARB, and the Ports' tenants to facilitate contact between the regulatory agencies and tenants to arrange inspections of the terminals
Additional Information:	
Requirements for Rule 1142 (Marine Tank Vessel Operations): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1142.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1142.pdf</a>	

Action 2: Reduce Emissions from Ships and Harbor Craft	
Course of Action(s):	
<ul style="list-style-type: none"> <li><del>Conduct</del> Work with the Ports to engage in outreach activities to shipping lines and harbor craft owners to provide information about existing and new incentive programs for cleaner technologies for ships and harbor craft</li> <li>Identify additional incentive funding opportunities to accelerate adoption of cleaner technologies for ships and harbor craft</li> <li>Conduct demonstration projects for retrofit technologies for ships and harbor craft to inform the development of new incentive programs</li> <li>Support CARB's rule development for the proposed At-Berth Regulation and future updates to Commercial Harbor Craft Regulation</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Incentives</li> <li>Public Information and Outreach</li> <li>Rules and Regulations</li> </ul>	
Goal(s):	

<ul style="list-style-type: none"> <li>• <del>Conduct-Engage in</del> one outreach event per year in the Ports area to provide information about incentives</li> <li>• Complete technology demonstration for retrofitting ships (ocean-going vessels, OGVs)</li> <li>• Work with authorities in Asia to collaborate on a Pacific Rim clean vessel incentive program</li> <li>• Participate in CARB rule development</li> <li>• Emissions Reductions Target: emissions reduced from this action contribute to the mobile source incentives <u>and statewide mobile source regulation measures target</u></li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>• Beginning 2020, <del>conduct-engage in</del> incentive outreach events, when incentive programs are open for applications</li> <li>• Beginning 2019, <del>conduct-engage in</del> outreach for a Pacific Rim clean vessel incentive program (PRIMER initiative)</li> <li>• By 2020, sign agreement for joint clean vessel incentive program with Asian ports</li> <li>• December 2019, provide updates on demonstration projects for ships and harbor craft</li> <li>• <u>CARB regulations:</u> <ul style="list-style-type: none"> <li>- 2020, CARB's Commercial Harbor Craft Regulation</li> <li>- December 2019, CARB's At-Berth Regulation</li> </ul> </li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Provide incentives for cleaner ships and harbor craft through the Carl Moyer Program and AB 617-related incentive funds, <u>and work with Ports on outreach</u></li> <li>• Identify additional incentive funding opportunities</li> <li>• Conduct technology demonstration projects <u>for retrofit technologies for ships and harbor craft</u></li> <li>• <u>Support CARB's rule development of the proposed At-Berth Regulation and updates to the Commercial Harbor Craft Regulation</u></li> </ul>
Pacific Rim authorities and Ports	<del>Partner with South Coast AQMD to incentivize cleaner ships on shared shipping routes</del>
Ports	<u>Work with South Coast AQMD to conduct outreach and education regarding new technologies and fuels available to reduce emissions in the operations of ocean going vessels</u>
CARB	Continue rule development for the proposed At-Berth Regulation and future updates to Commercial Harbor Craft Regulation
Additional Information:	

PRIMER program is currently under development, additional information is available at: [http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/AgendaItems/4\\_primer.pdf?](http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/AgendaItems/4_primer.pdf?)

### Action 3: Reduce Emissions from Port Equipment (Cargo Handling Equipment) and Drayage Trucks

#### Course of Action(s):

- Support CARB's rule development for future updates to Cargo Handling Equipment Regulation, Drayage Truck Regulation, development of a mandatory near-zero standard for heavy-duty trucks, and encourage CARB to adopt zero-emission requirements by 2035 or sooner.
- Support Ports' implementation of Clean Air Action Plan (CAAP) measures for trucks and cargo handling equipment
- Enforcement of existing Drayage Truck Regulation
- Identify additional incentive funding opportunities to accelerate adoption of cleaner port equipment and drayage trucks
- Continue developing Facility Based Mobile Source Measure (FBMSM) for Ports through a Memorandum of Understanding (MOU)

#### Strategies:

- Rules and Regulations
- Incentives
- Collaboration
- Enforcement

#### Goal(s):

- Provide ~~semiannual~~biannual updates on CARB's rule developments for drayage trucks and cargo handling equipment, Ports' CAAP measures, and FBMSM for Ports, and seek community input on progress

#### Estimated Timeline(s):

- Beginning 2022, support CARB's Drayage Truck Regulation and CARB's Cargo Handling Equipment Regulation
- Beginning 2020, implement Ports' Clean Truck Program as described in the CAAP (based on feasibility assessment study for trucks and truck rate study and the promulgation of near zero-emissions manufacturing standards by CARB)
- Beginning in 2020, implement Ports' clean cargo handling equipment purchasing program as described in the CAAP (based on feasibility assessment study for cargo handling equipment)
- Beginning in Fall 2019, update the CSC on CARB's enforcement of the existing Drayage Truck Regulation

<ul style="list-style-type: none"> <li>Beginning in Fall 2019, identify additional incentive funding opportunities for cleaner port equipment and drayage trucks</li> <li>Continue development of FBMSM for Ports through a MOU</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li><u>Support CARB's rule development for Cargo Handling Equipment Regulation and Drayage Truck Regulation</u></li> <li><u>Support CARB's development of a mandatory near-zero standard for heavy-duty trucks and encourage CARB to adopt zero-emission requirements by 2035 or sooner</u></li> <li><u>Support Ports' implementation of the CAAP</u></li> <li><u>Identify additional incentive funding opportunities to accelerate adoption of cleaner port equipment and drayage trucks</u></li> <li>Continue development of FBMSM through a MOU and <del>conduct</del> <u>engage in</u> outreach to CSC for FBMSM working groups, workshops, and meetings</li> </ul>
CARB	<ul style="list-style-type: none"> <li>Conduct enhanced enforcement of existing Drayage Truck Regulation</li> <li>Continue rule development for Cargo Handling Equipment and Drayage Truck Regulations</li> <li><del>Conduct</del> <u>Engage in</u> outreach to CSC for rule update workshops</li> </ul>
Ports	<ul style="list-style-type: none"> <li>Solicit input from the CSC on when and where dray-offs are occurring and conduct targeted enforcement sweeps based on the input</li> <li>Implement the <u>Clean Truck Program and</u> clean cargo handling equipment purchasing program as described in the <del>CAAP</del> <u>Clean Air Action Plan</u> (based on feasibility assessments for trucks and cargo handling equipment and truck rate study)</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>San Pedro Bay Ports Clean Air Action Plan 2018 <del>Feasibility Assessment</del> <u>Feasibility Assessment</u> for Drayage Trucks: <a href="http://polb.com/civica/filebank/blobdload.asp?BlobID=15011">http://polb.com/civica/filebank/blobdload.asp?BlobID=15011</a></li> <li>San Pedro Bay Ports Clean Air Action Plan Draft 2018 <del>Feasibility Assessment</del> <u>Assessment</u> for Cargo-Handling Equipment: <a href="http://www.cleanairactionplan.org/documents/draft-2018-feasibility-assessment-for-cargo-handling-equipment.pdf/">http://www.cleanairactionplan.org/documents/draft-2018-feasibility-assessment-for-cargo-handling-equipment.pdf/</a></li> <li>FBMSM: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/comm-ports-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/comm-ports-wkng-grp</a></li> </ul>	

## References

1. Port of Los Angeles, Annual Inventory of Air Emissions, <https://www.portoflosangeles.org/environment/air-quality/air-emissions-inventory>, Accessed June 1, 2019.
2. Port of Long Beach, Emissions Inventory Documents, <http://www.polb.com/environment/air/emissions.asp>, Accessed June 1, 2019.
3. California Air Resource Board, ARB's Drayage Truck Regulatory Activities, July 2018, [www.arb.ca.gov/drayagetruck](http://www.arb.ca.gov/drayagetruck), Accessed May 23, 2019.
4. California Air Resource Board, Amendments to the Regulation for Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yards, August 2011, [www.arb.ca.gov/regact/2011/cargo11/cargoisor.pdf](http://www.arb.ca.gov/regact/2011/cargo11/cargoisor.pdf), Accessed May 23, 2019.
5. California Air Resource Board, Commercial Harbor Craft, 2019, [www.arb.ca.gov/ports/marinevess/harborcraft.htm](http://www.arb.ca.gov/ports/marinevess/harborcraft.htm), Accessed May 23, 2019.
6. South Coast AQMD, Carl Moyer Program (Heavy-Duty Engines), <http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades>, Accessed June 7, 2019.
7. California Air Resource Board, Shore Power for Ocean-going Vessels (At-Berth), May 2019, [www.arb.ca.gov/ports/shorepower/shorepower.htm](http://www.arb.ca.gov/ports/shorepower/shorepower.htm), Accessed May 23, 2019.
8. California Air Resource Board, Ocean-Going Vessels - Fuel Rule, August 2017, <https://www.arb.ca.gov/ports/marinevess/ogv.htm>, Accessed May 23, 2019.
9. San Pedro Bay Ports, Clean Air Action Plan, <http://www.cleanairactionplan.org/>, Accessed June 1, 2019.
10. San Pedro Bay Ports, Ports' Technology Advancement Program, <http://www.cleanairactionplan.org/technology-advancement-program/>, Accessed July 14, 2019.
11. The Port of Los Angeles, Vessel Speed Reduction Program, <https://www.portoflosangeles.org/environment/air-quality/vessel-speed-reduction-program>, Accessed June 1, 2019.
12. The Port of Long Beach, The Green Flag Incentive Program, <http://www.polb.com/environment/air/greenflag.asp>, Accessed August 8, 2019.
13. San Pedro Bay Ports, Final 2017 Clean Air Action Plan Update, <http://www.cleanairactionplan.org/documents/final-2017-clean-air-action-plan-update.pdf>, Accessed July 14, 2019.
14. California Air Resource Board, Assessment of a Zero Emission Vehicle Requirement for Light and Heavy Duty Vehicle Fleets, August 2018, [https://www.arb.ca.gov/msprog/zev\\_fleet\\_workshop\\_presentation\\_083018.pdf](https://www.arb.ca.gov/msprog/zev_fleet_workshop_presentation_083018.pdf), Accessed June 1, 2019.
15. San Pedro Bay Ports, Final 2017 Clean Air Action Plan Update, <http://www.cleanairactionplan.org/documents/final-2017-clean-air-action-plan-update.pdf>, Accessed July 14, 2019.

---

# CHAPTER 5D:

## NEIGHBORHOOD TRUCK TRAFFIC

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5d: Neighborhood Truck Traffic

### Background

The community of Wilmington, Carson, West Long Beach is home to the Port of Long Beach and Port of Los Angeles (Ports). The Ports serve as a gateway for the world's markets through the movement of goods. These goods are transported to and from the Ports by ships, trains, and heavy-duty trucks. Trucks are not only used to deliver goods directly to and from the Ports, but also to railyards, warehouses, and retail stores. Trucks travel along freeways (e.g., I-710, I-110, I-405, and I-91) that pass through the Wilmington, Carson, and West Long Beach community. Also, trucks often travel near and through local neighborhoods to reach their destinations thus exposing residents to harmful air pollutants.

The amount of freeway and neighborhood truck traffic in the Wilmington, Carson, West Long Beach community is likely to increase as a result of the expected increase in goods movement activities in Southern California. These activities are largely driven by the anticipated growth in the volume of goods that are imported and exported through the Ports.<sup>1</sup> This growth may lead to additional community air quality impacts resulting from increases in traffic volumes through local neighborhoods and freeway corridors.

### Community Air Quality Priorities – Idling Trucks, Enhanced Enforcement of Existing Regulations, Air Pollution from High Volume of Trucks and Cleaner Technology Options

The Wilmington, Carson, West Long Beach Community Steering Committee (CSC) identified air pollution from heavy-duty diesel trucks and passenger cars traveling on local neighborhood streets and freeways as an air quality priority. To address these air quality impacts, the CSC prioritized the following:

- Increased enforcement of CARB's Truck and Bus<sup>2</sup> and Idling<sup>3</sup> Rules to reduce diesel emissions (including during non-business hours);
- Accountability for truck owners and truck drivers, when trucks violate CARB idling regulations;
- Additional outreach to commercial fleets, warehouses, and other facilities that operate heavy-duty diesel trucks and additional incentives for truck retrofits or truck replacements with zero-emission technologies once they become feasible, and near-zero technologies until that time;
- Evaluate designated truck routes;
- Improving the complaint systems designed to report illegal truck idling or truck travel on local roadways;
- New regulations that require the use of zero-emission trucks as soon as they become available.



## Ongoing Efforts

### U.S. EPA and Statewide Efforts

CARB's Airborne Toxic Control Measure (ATCM) places limits on idling of diesel-fueled trucks.<sup>3</sup> This regulation is enforced by CARB and South Coast AQMD, and will be a focal point of the enforcement activities in AB 617 communities. CARB continues to address truck diesel emission reductions through existing and upcoming regulations, such as the Drayage Truck Regulation<sup>4</sup> and the Truck and Bus Regulation,<sup>5,2</sup> which include emission standards~~requirements~~. CARB is also responsible for enforcing the Commercial Vehicle Idling Regulation, where commercial vehicles (gross vehicle weight rating greater than 10,000 pounds) are prohibited from idling for more than five minutes.<sup>6</sup> In addition, to help cities address idling, CARB has developed an "Options for Cities to Mitigate Heavy-Duty Vehicle Idling" guidance document which includes options for cities to address heavy-duty vehicle idling emissions in their communities.<sup>7</sup>

CARB continues to work towards reducing residual public health risk from Transport Refrigeration Units (TRU)<sup>8,9</sup> near distribution centers and other facilities where TRU activity is focused, and achieve emission reductions while in transit, especially near the most impacted communities. Improving freight efficiency and transitioning to zero-emission technologies will help reduce toxic air contaminant emissions, criteria pollutant emissions, and greenhouse gas emissions. CARB has created advisories<sup>10</sup> and forms<sup>11</sup> to assist TRU owners in understanding compliance requirements and to ensure that all regulated entities (e.g., TRU owners, TRU operators, facilities that support TRU use) are aware of their responsibilities under this regulation.

Several requirements from the Ports and from CARB have modernized the port trucking industry and reduced truck-related air pollution by phasing out the oldest, dirtiest trucks. The three main requirements<sup>i</sup> include: 1) no truck can enter the ports with an engine older than 2007,<sup>4</sup> 2) nearly all trucks in California must be no older than 2010 by 2023,<sup>5</sup> 3) new trucks entering the Ports' Drayage Truck Registry must have a 2014 engine model year or newer.<sup>12</sup>

Many new requirements are also being considered that would further reduce emissions from trucks. The table below illustrates the key upcoming activities from U.S. EPA, CARB, and the Ports.

---

<sup>i</sup> The vehicle's drive engine must be certified to a particular emission standard that is noted by the engine's model year.

Table 5d-1: Upcoming Rule Development/Activities from U.S. EPA, CARB, and the Ports

Agency	Upcoming Action	Expected Decision	Expected Phase-in Period
U.S. EPA	Cleaner Truck Initiative <sup>13</sup> – In response to a petition from South Coast AQMD, EPA has committed to updating its truck engine standard to reduce NOx emissions.	2020-2021	2024
CARB	Transport Refrigeration Unit Regulation <sup>8</sup> – Measure to reduce residual risk from TRUs by transitioning to zero-emission technologies.	2019	2025-2030
CARB	Drayage Truck Rule <sup>4</sup> – Updated regulation to transition to zero-emission trucks.	2022	2026
CARB	Advanced Clean Truck Rule <sup>14</sup> - Requires truck manufacturers to sell an increasing percentage of zero-emission trucks by 2030 (up to 15% or 50%, depending on truck type). Also will require one-time fleet reporting for large businesses.	2019	2024-2030
CARB	Zero-Emission Fleet Rule <sup>15</sup> – Would require fleets to transition to zero-emissions.	2022	2024
CARB	Heavy-Duty Low NOx Rule <sup>16</sup> – Would set new statewide engine standards for NOx reduction from trucks by 2026, and additional reductions including and after 2027.	2020	2024
Ports	Clean Truck Program <sup>12</sup> – Will establish a rate that trucks need to pay to enter the Ports beginning in 2020 if they are not near-zero emissions. Only zero-emission trucks will be exempt from payment of the rate by 2035.	2019	2020-2035

### South Coast AQMD Efforts

The South Coast AQMD also funds projects to help develop zero-emission technologies for heavy-duty Class 7-8 trucks<sup>ii</sup> (e.g. battery electric, fuel cell). These projects are in the design and demonstration phase and the technologies are not yet commercially available. Additionally, the South Coast AQMD administers incentive programs for truck owners and operators to replace older more polluting trucks with ones that are cleaner than required.<sup>17</sup> For example, South Coast AQMD's Voucher Incentive Program (VIP) is designed for smaller businesses with fleets of 10 or fewer vehicles that primarily operate within California.<sup>18</sup> VIP helps truck owners with older trucks to purchase newer trucks meeting the current emissions standards. The Carl Moyer Program<sup>19</sup> is another resource for truck owners to obtain cleaner trucks that would achieve emission reductions that are above and beyond the regulations.

<sup>ii</sup> The Federal Highway Administration categorizes Class 7-8 trucks under the "Heavy Duty (>26,001 lbs)" gross vehicle weight rating

### Identifying Opportunities for Action

The CSC's strategy to reduce the community's exposure to air pollution from trucks is described in the actions below.

Action 1: Reduce Truck Idling	
Course of Action:	
<ul style="list-style-type: none"> <li>Conduct focused enforcement for idling trucks in high traffic areas with the highest priority for areas near schools and residential areas               <ul style="list-style-type: none"> <li>Other areas prioritized by the CSC include areas near distribution centers, high traffic corridors on Wilmington Avenue, Lomita Boulevard, Santa Fe Avenue, Figueroa Street, Pacific Coast Highway, Anaheim Street, Harry Bridges Boulevard, the Alameda corridor, and Lakme Avenue</li> </ul> </li> <li>Collaborate with the CSC to inform community members how to report idling trucks</li> <li><del>Provide</del> <u>Engage in</u> community outreach on existing city, CARB, and South Coast AQMD complaint systems on reporting idling trucks               <ul style="list-style-type: none"> <li>If existing complaint/response system is determined to be ineffective, assess where improvements are feasible</li> </ul> </li> <li><u>Work with CARB and local entities or agencies to establish "no truck idling" signage with locations prioritized by the CSC and work to assess the feasibility of sign placement</u></li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Enforcement</li> <li>Collaboration</li> <li>Public Information and Outreach</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>Conduct, at minimum, quarterly idling sweeps and focused inspections for one calendar year, to be evaluated thereafter with community input</li> <li><del>Organize</del> <u>Engage in</u> two outreach events within the span of implementation of this plan to inform community members how to report idling trucks</li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li><u>Beginning Fall of 2019, provide quarterly updates to the CSC</u></li> <li><u>Beginning Fall 2019, begin planning outreach events to inform the community members how to report idling trucks</u></li> <li>Beginning Fall of 2019, work with CARB's enforcement team (and CHP) to coordinate, at a minimum, quarterly idling sweeps and focused inspections for a period of one year               <ul style="list-style-type: none"> <li><u>Beginning January 2020, based on findings from idling sweeps, the CSC identified Community Priorities List, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the</u></li> </ul> </li> </ul>	

<u>community to address the identified concerns and report back to the CSC bi-annually for future adjustments</u> <u>—Beginning Fall 2019, work to establish “no truck idling” signage with locations prioritized by the CSC</u> <ul style="list-style-type: none"> <li>• <del>Based on results of the sweeps, and continued input from CSC members, adjust idling inspections accordingly</del></li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Conduct idling sweeps (which may require coordination with local law enforcement), focusing on high priority areas</u></li> <li>• <u>Collaborate with the CSC to inform community members how to report idling trucks</u></li> <li>• <u>Engage in community outreach on complaint systems on reporting idling trucks</u></li> <li>• <u>Work with local entities and CARB to establish “no truck idling” signage</u></li> </ul>
California Air Resources Board (CARB)	<ul style="list-style-type: none"> <li>• <u>Conduct and cCoordinate idling truck inspections with the California Highway Patrol</u></li> <li>• <u>Based on findings from idling sweeps, the CSC identified Community Priorities List, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments</u></li> <li>• <u>Work with South Coast AQMD to establish “no truck idling” signage</u></li> </ul>
CSC	<ul style="list-style-type: none"> <li>• <u>Work with South Coast AQMD and other local entities to disseminate information on how to report idling trucks in the community (e.g., outreach events and flyers)</u></li> <li>• <u>Prioritize locations for “no truck idling” signage</u></li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• CARB requirements for idling trucks: <a href="https://www.arb.ca.gov/enf/diesel.htm">https://www.arb.ca.gov/enf/diesel.htm</a></li> <li>• City of Los Angeles - Trucks on Residential Streets: <a href="https://ladot.lacity.org/what-we-do/operations/neighborhood-services/trucks-residential-streets">https://ladot.lacity.org/what-we-do/operations/neighborhood-services/trucks-residential-streets</a></li> <li>• City of Carson - Truck Routes and Truck Parking Areas: <a href="http://ci.carson.ca.us/publicworks/truckroutes.aspx">http://ci.carson.ca.us/publicworks/truckroutes.aspx</a></li> <li>• City of Long Beach - Oversized Vehicle Restrictions: <a href="http://longbeach.gov/press-releases/public-notice-oversized-vehicle-restrictions/">http://longbeach.gov/press-releases/public-notice-oversized-vehicle-restrictions/</a></li> </ul>	

## Action 2: Reduce Emissions from Heavy-Duty Trucks

### Course of Action:

- Collaborate with local businesses, agencies, and organizations and ~~Conduct~~ engage in outreach to truck owners and operators in this community to provide information about available incentive programs, community ordinances, restricted truck routes, and trucking regulations
- Identify ~~South Coast AQMD and other~~ additional and new incentive funding opportunities to replace and accelerate adoption of cleaner ~~port equipment and heavy-duty trucks (including drayage trucks)~~, prioritizing zero-emission technologies when technologically feasible and commercially available, and near-zero emission technologies until that time
- Participate in CARB's rule development for future amendments to their truck regulations
- Continue to develop Facility Based Mobile Source Measures (see Chapter 5c - Ports and Chapter 5f - Railyards), including an Indirect Source Rule (ISR) for warehouses
- Work with the local city or the county agencies to evaluate potential designated truck routes away from sensitive receptors (e.g., schools, residents) and identify resources to enforce these routes
- Work with local agencies to provide data on locations within the community with high truck pollution impacts
- Identify the appropriate agency (e.g., Los Angeles Department of Transportation) to collaborate on assessing the feasibility of physical interventions to prevent truck traffic from entering residential neighborhoods
- ~~Collaborate with local businesses, agencies, and organizations to conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs~~
- ~~Additional and new incentive funding opportunities to replace heavy-duty diesel trucks with zero-emission technologies once they become available, and near-zero emission technologies until that time~~
- Target incentive funds for local small businesses and independent owner/operator (e.g., Voucher Incentive Program)
- Conduct focused enforcement of CARB's TRU Regulation, Drayage Truck Regulation, and Truck and Bus Regulation

### Strategies:

- Incentives
- Public Information and Outreach
- Collaboration
- Rules and Regulations

<ul style="list-style-type: none"> <li>Enforcement</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li><del>Organize Engage in</del> two incentive outreach events and provide <del>biannual</del> <u>semiannual</u> updates to the CSC</li> <li>Provide <del>biannual</del> <u>semiannual</u> updates on CARB's rule development for truck regulations, and seek community input on progress</li> <li>Coordinate with CARB staff on using community priorities to focus future enforcement efforts</li> <li><u>Identify agencies with the jurisdiction to implement physical barriers to neighborhood truck traffic</u></li> <li><u>Provide quarterly or biannual semiannual updates to the CSC</u></li> <li><del>Emissions Reduction Target: emissions reduced from this action contribute to the m</del> <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a target</u></li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li><u>Beginning 2020, when incentive programs are available, begin conducting engaging in incentive outreach events and collaborating with local businesses, agencies, and organizations to provide information about incentive programs, community ordinances, restricted truck routes, and trucking regulations. and provide quarterly or biannual updates to the CSC</u></li> <li><del>Beginning January 2020, based on findings from idling sweeps, the CSC identified Community Priorities List, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments</del></li> <li><u>Continue to identify additional and new incentive funding opportunities to replace and accelerate the adoption of cleaner heavy-duty trucks</u></li> <li><u>Continue to develop Facility Based Mobile Source Measures (see Chapters 5c - Ports and 5f – Railyards), including an ISR for warehouses</u></li> <li><u>Beginning first quarter of 2020, work with the city or the county to evaluate potential designated truck routes and identify resources to enforce these routes and identify agencies to collaborate with on feasibility of physical barriers to mitigate neighborhood truck traffic</u></li> <li><u>Beginning 2020, when incentive programs are available target incentive funds for small businesses and independent owner/operator</u></li> <li>CARB's New Regulations phase-in: 2024-2030</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li><u>Collaborate with local businesses, agencies, and organizations</u> <del>Provide incentives and engage in</del> <u>targeted outreach for truck incentive programs, community</u></li> </ul>

	<p><u>ordinances, restricted truck routes, and trucking regulations in this community</u></p> <ul style="list-style-type: none"> <li>• <u>Identify other additional or new funding opportunities to accelerate the adoption of cleaner heavy-duty and drayage trucks</u></li> <li>• <u>Support CARB on rule development for future truck amendments</u></li> <li>• <u>Continue to develop Facility Based Mobile Source Measures</u></li> <li>• <u>Work with the local city or county agencies to evaluate potential designated truck routes and identify resources to enforce these routes</u></li> <li>• <u>Work with local agencies to provide data on locations within the community with high truck pollution impacts</u></li> <li>• <u>Identify agencies with jurisdiction over physical barriers for truck traffic</u></li> <li>• <u>Identify incentive funds for local small businesses and independent owner/operator and encourage the submission of applications</u></li> <li>• <u>Provide updates to CSC, including truck incentive projects that have been submitted and are being considered for Community Air Grants incentive funding</u></li> <li>• <del>Present truck incentive projects that have been submitted and are being considered for Community Air Grants incentive funding</del></li> <li>• Provide training to community leaders or organizations that provide application assistance for incentive programs</li> </ul>
CARB	<ul style="list-style-type: none"> <li>• Continue rule development for amendments to <u>truck regulation</u><del>the Drayage Truck Regulation</del></li> <li>• Conduct enhanced roadside enforcement of existing Drayage Truck, <u>TRU, and</u> <del>and</del> Truck and Bus regulations</li> </ul>
Cities of Los Angeles, Long Beach, and Carson	<ul style="list-style-type: none"> <li>• <u>Collaborate with South Coast AQMD to evaluate potential designated truck routes and identify resources to enforce these routes</u> <del>TBD</del></li> </ul>
CSC members (including businesses, community organizations, and agencies)	<ul style="list-style-type: none"> <li>• Work with South Coast AQMD to <del>conduct</del> <u>engage in</u> outreach to truck owners and operators</li> <li>• Provide application assistance to potential applicants for incentive programs <ul style="list-style-type: none"> <li>– Seek funding support to provide this service, (e.g., through CARB Community Air Grants)</li> </ul> </li> </ul>

## Additional Information:

- CARB Drayage Truck Regulation:  
<https://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm>
- CARB Truck and Bus Regulation:  
<https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation>
- CARB Community Air Grants:  
<https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants>
- City general plans:
  - City of Los Angeles (Wilmington)
    - General Plan:  
[http://planning.lacity.org/GP\\_elements.html](http://planning.lacity.org/GP_elements.html)
    - Wilmington-Harbor City Community Plans Update:  
<http://www.harborlaplans.org/wilmington-harbor-city1.html>
    - Transportation Element:  
<https://planning.lacity.org/cwd/gnlpln/transelt/TE/T1Intro.htm>
  - City of Carson General Plan:  
<http://ci.carson.ca.us/communitydevelopment/generalplan.aspx>
  - City of Long Beach
    - General Plan Update:  
<http://www.longbeach.gov/pages/city-news/long-beach-general-plan-update-is-here/>
    - Mobility Plan:  
<http://www.lbds.info/civica/filebank/blobdload.asp?BlobID=4112>

## References

1. Southern California Association of Governments, Goods Movement Appendix, April 2016, [http://scagrtpscscs.net/Documents/2016/final/f2016RTPSCS\\_GoodsMovement.pdf](http://scagrtpscscs.net/Documents/2016/final/f2016RTPSCS_GoodsMovement.pdf), Accessed May 1, 2019.
2. California Air Resources Board, Truck and Bus Regulation On-Road Heavy Duty Diesel Vehicles (In-Use) Regulation, <https://ww2.arb.ca.gov/our-work/programs/truck-and-bus-regulation>, Accessed June 3, 2019.
3. California Air Resources Board, CARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling, January 2005, <https://www.arb.ca.gov/msprog/truck-idling/truck-idling.htm>, Accessed April 10, 2019.
4. California Air Resources Board, Drayage Trucks at Seaports and Railyards, <https://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm>, Accessed April 9, 2019.



5. California Air Resources Board, Truck and Bus Regulation Compliance Requirement Overview, <https://www.arb.ca.gov/msprog/onrdiesel/documents/FSRegSum.pdf>, Accessed June 3, 2019.
6. California Air Resources Board, Idling Programs: Commercial Vehicle Idling, May 2019, <https://www.arb.ca.gov/enf/diesel.htm#cmvidling>, Accessed June 13, 2019.
7. California Air Resources Board, Options for Cities to Mitigate HDV Idling, [https://www.arb.ca.gov/enf/arb\\_options\\_cities\\_mitigate\\_idling.pdf](https://www.arb.ca.gov/enf/arb_options_cities_mitigate_idling.pdf), Accessed June 3, 2019.
8. California Air Resources Board, Transport Refrigeration Units, <https://ww2.arb.ca.gov/our-work/programs/transport-refrigeration-unit>, Accessed June 13, 2019.
9. California Air Resources Board, New Transport Refrigeration Unit Regulation in Development, <https://ww2.arb.ca.gov/our-work/programs/transport-refrigeration-unit/new-transport-refrigeration-unit-regulation>, Accessed June 25, 2019.
10. California Air Resources Board, Transport Refrigeration Unit ATCM - Advisories, <https://www.arb.ca.gov/diesel/tru/advisories.htm>, Accessed June 13, 2019.
11. California Air Resources Board, Third Party Agreement Forms, [https://ww3.arb.ca.gov/diesel/tru/tru\\_forms.htm](https://ww3.arb.ca.gov/diesel/tru/tru_forms.htm), Accessed June 13, 2019.
12. San Pedro Bay Ports Clean Air Action Plan, Clean Trucks Program, November 2017, <http://www.cleanairactionplan.org/documents/clean-trucks-program-tariff-change-fact-sheet-sept-2018.pdf/>, Accessed June 7, 2019.
13. U.S. EPA, Cleaner Trucks Initiative, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/cleaner-trucks-initiative>, Accessed June 13, 2019.
14. California Air Resources Board, Advanced Clean Trucks, <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks/resources>, Accessed June 13, 2019.
15. California Air Resources Board, Zero-Emission Vehicle Fleet, <https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-fleet>, Accessed June 13, 2019.
16. California Air Resources Board, Heavy-Duty Low NOx, <https://www.arb.ca.gov/msprog/hdlownox/hdlownox.htm>, Accessed June 13, 2019.
17. South Coast AQMD, On-Road Vehicles, [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/on-road-vehicles](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/on-road-vehicles), Accessed June 3, 2019.
18. South Coast AQMD, Voucher Incentive Program, <http://www.aqmd.gov/home/programs/business/business-detail?title=voucher-incentive-program&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.
19. South Coast AQMD, Carl Moyer Program, <http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades>, Accessed June 3, 2019.

---

# CHAPTER 5E:

## OIL DRILLING AND PRODUCTION

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5e: Oil Drilling and Production

### Background

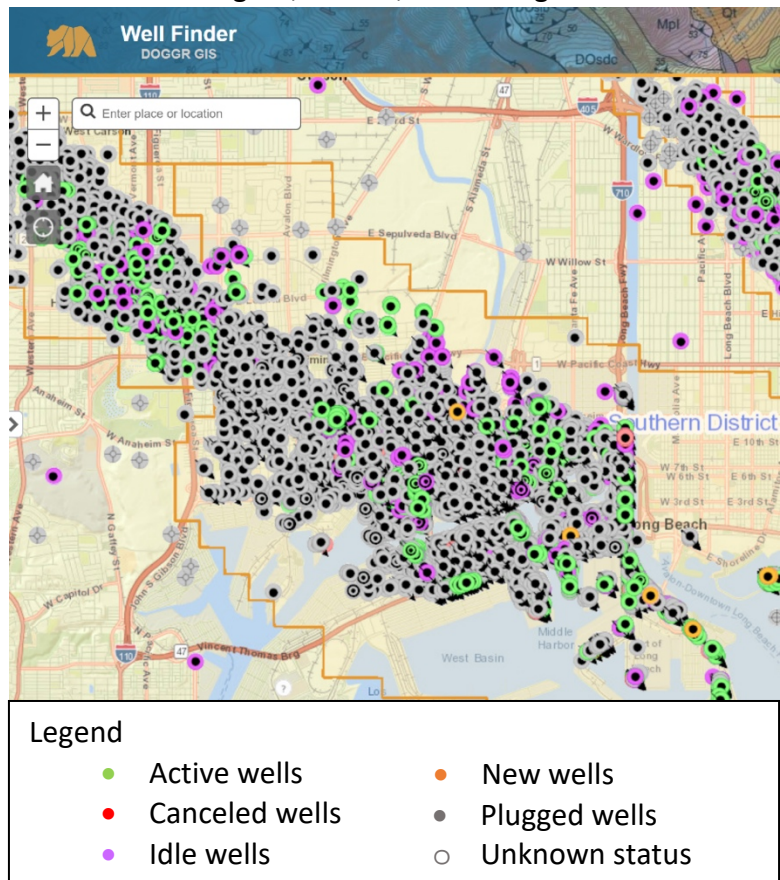
The oil and gas industry has existed in Southern California for over a hundred years. This industry, which includes oil drilling and production, has hundreds of facilities that are subject to requirements set-forth by city agencies, local air districts (e.g., South Coast AQMD), and state agencies (e.g., CARB and the California Department of Conservation, through its Division of Oil, Gas, and Geothermal Resources (DOGGR)).

South Coast AQMD has specific regulations on oil wells, including the Rule 1148 series (1148<sup>1</sup>, 1148.1<sup>2</sup>, 1148.2<sup>3</sup>), and other rules that reduce emissions of volatile organic compounds (VOCs).<sup>4,5</sup> CARB recently adopted an Oil and Gas Regulation<sup>6</sup> to reduce methane emissions from oil and gas production, processing, storage, and transmission compressor stations, which accounts for four percent of methane emissions in California.<sup>7</sup>

There are 242 facilities operating approximately 4,320 onshore oil and gas wells in the District.<sup>i</sup> Due to the geography of the region, these wells are often located in urban areas, and sometimes located within close proximity to residential and other sensitive receptors, as is the case within the Wilmington, Carson, West Long Beach community.

DOGGR requires owners and operators of oil and gas facilities to report the status of their wells. The data are available through a database of active, idle, and abandoned wells throughout the state of California.<sup>8</sup> Based on records from DOGGR's database (updated in 2015), there are approximately 6,100 oil, gas, and geothermal wells that are active or idle in the Los Angeles, Riverside, San Bernardino, and Orange County regions. DOGGR's program

Figure 5e-1: Screen shot of DOGGR Well Finder GIS tool of the Wilmington, Carson, West Long Beach area



<sup>i</sup> Based on an evaluation of records associated with the South Coast AQMD's Rule 222 - Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II filing requirements for the "Oil Production Well Group" category in 2015

includes idle, abandoned, geothermal and water injection wells, which are not registered by South Coast AQMD.<sup>9</sup> Active oil wells are the only ones actively withdrawing oil, and this process has the potential to develop leaks (fugitive emissions).

In 2015, South Coast AQMD staff conducted a five-week project to characterize and quantify emissions from small stationary sources, including oil wells, in the Los Angeles Basin using multiple Optical Remote Sensing (ORS) techniques. The findings from this study are available in the final report.<sup>10</sup>

Community Air Quality Priorities – Target Focused Air Measurements Monitoring and Inspections to Address Leaks and Odors, Improved Outreach and Notifications, Establish a Baseline of Emissions, Zero-Emission Technology On-Site

Four main air quality priorities related to oil drilling and production were identified by the Wilmington, Carson, West Long Beach Community Steering Committee (CSC): (1) ~~targeted~~ focused near-facility ~~monitoring~~ air measurements and inspections to address leaks and odors from oil drilling and production; (2) improved public outreach and notifications; (3) additional requirements for oil production sites to submit annual reports to develop an accurate inventory of emissions and chemicals used; and (4) require zero-emission technology at drilling sites. Details for these actions are described below.

Many homes in this community are located close to oil and gas facilities, which may include drilling, production, and well sites. Residents have identified odors and leaks from operating and abandoned oil wells as concerns. The CSC requested increased air monitoring efforts pertaining to these wells and facilities, particularly when drilling activities are occurring. The CSC also requested that this information be made available to the public to establish a baseline for tracking emissions reductions. Using air ~~monitoring~~ measurements to identify potential leaks, conducting follow-up investigations, and collaborating with other agencies would help reduce emissions from these facilities. Because VOCs are the main air pollutants from petroleum-based sources, VOC measurements would help to identify potential leaks. In addition, the drilling activities at these sites can generate fugitive dust, which could impact the nearby community. Air monitoring efforts led by community based organizations, that are complementary to South Coast AQMD ~~monitoring~~ efforts, can help provide real-time data on particulate matter levels in the community when drilling activity is occurring at a nearby facility.

CSC members stated that the current South Coast AQMD notifications for oil wells (Rule 1148.2<sup>3</sup>) could provide more useful information to the community. The CSC requested that the South Coast AQMD program provide more efficient notifications with improved outreach to the public to explain the chemicals, toxicity, and health impacts related to oil drilling activities. The CSC requested that outreach materials include letters, flyers, lists, or infographics, since not all community members have access to computers.

CSC members requested a better inventory of emissions from this industry, beyond the current reporting requirements in South Coast AQMD Rule 1148.2. Members suggested requiring a

chemical survey or annual reports on a facility’s oil production, chemicals used, and emissions inventories to provide information that is relevant to community air pollution exposures.

CSC members recognized that these sites use diesel-powered equipment on-site, and would like to see electrification of this equipment and/or requirements for using cleaner fuels for on-site operations.

### Ongoing Efforts

South Coast AQMD staff continue to conduct regular inspections and respond to complaints for oil drilling and production facilities. South Coast AQMD regulates oil and gas facilities through several Rule 1148 rules which pertain to oil wells (Rule 1148<sup>1</sup>, Rule 1148.1<sup>2</sup>, Rule 1148.2<sup>3</sup>), Rule 1173 (VOC leaks)<sup>4</sup> and Rule 1176 (wastewater systems).<sup>5</sup> There are over 30 facilities with multiple wells on site that are inspected annually under existing regulatory programs.

CARB is implementing the Study of Neighborhood Air near Petroleum Sources (SNAPS) program to better understand potential impacts of criteria pollutants and toxic air contaminants in neighborhoods near oil and gas activities. The program includes limited-term, intensive air quality ~~monitoring measurements~~ with a particular focus on production facilities.<sup>11</sup> Although the SNAPS program is not currently conducting monitoring in the Wilmington, Carson, West Long Beach community, the information from the SNAPS effort from other communities may be informative for this community.

### Opportunities for Action

In addition to the ongoing efforts described in this chapter, the CSC identified specific actions to address community priorities related to addressing the committee’s concerns at oil drilling and production sites. The actions are described below.

<b>Action 1: Reduce Air Pollution Leaks from Oil Wells and Associated Activity at these Facilities</b>
<b>Course of Action:</b>
<ul style="list-style-type: none"> <li>• Use data from South Coast AQMD and DOGGR to identify active, inactive, and abandoned oil wells in this community</li> <li>• Work with the CSC to identify priority locations for <del>monitoring</del><u>air measurements</u>, and aim to conduct <del>monitoring</del><u>air measurements</u> at these locations during well workover events</li> <li>• Conduct mobile <del>monitoring</del><u>air measurements</u> around active, idle, and abandoned oil drilling sites (or fenceline and more traditional <u>air</u> monitoring activities, if necessary) to identify potential leaks</li> <li>• Make <del>monitoring</del><u>air measurement</u> data from these actions available online in a user-friendly format on the South Coast AQMD website (<a href="http://www.aqmd.gov">www.aqmd.gov</a>)</li> </ul>

<ul style="list-style-type: none"> <li>• Share <del>monitoring</del> <u>air measurement</u> data with partner agencies to help inform their efforts</li> <li>• If persistent elevated levels are detected at locations through <u>air measurement</u><del>monitoring</del> activities, conduct follow-up investigations at those locations using appropriate field measurement equipment <ul style="list-style-type: none"> <li>– <del>Monitoring</del> <u>Air measurements</u> of active and abandoned oil wells will be prioritized based on proximity to sensitive receptors, repeat violations, or complaints received</li> <li>– If elevated levels are found around abandoned wells, make a referral to DOGGR</li> </ul> </li> <li>• Respond to odor complaints and update complainants on an expedited basis</li> <li>• Provide CSC with periodic summaries of findings, such as whether odors were confirmed and traced back to a specific site/source, and any enforcement actions taken<sup>ii</sup></li> </ul>
Strategies:
<ul style="list-style-type: none"> <li>• <u>Air</u> Monitoring</li> <li>• Enforcement</li> <li>• Collaboration</li> </ul>
Goal(s):
<ul style="list-style-type: none"> <li>• Conduct screening measurements around all accessible active, idle, and abandoned oil wells to identify leaking wells</li> <li>• Identify the highest priority locations in the community for <del>monitoring</del> <u>air measurements</u> during a well workover event</li> <li>• Conduct follow-up inspections if <u>air measurements indicate</u> persistent elevated levels <del>are found through monitoring</del>, and take enforcement action where appropriate</li> <li>• Make <del>monitoring</del> <u>air measurement</u> data available publicly</li> <li>• Provide quarterly or <del>biannual</del> <u>semiannual</u> updates to the CSC on progress and findings</li> </ul>
Estimated Timeline(s):
<ul style="list-style-type: none"> <li>• Fourth quarter of 2019, begin to use data from DOGGR to identify the active, idle, and abandoned wells in this community</li> <li>• First quarter of 2020, work with CSC to identify the top priority oil drilling and production locations in this community</li> <li>• Second quarter of 2020, begin mobile <del>monitoring</del> <u>air measurements</u> around the oil drilling and production locations, prioritizing the locations identified by the CSC. Post data on a dedicated webpage on the South Coast AQMD website within 30 days</li> <li>• Third quarter of 2020, begin providing CSC members quarterly or <del>biannual</del> <u>updates</u> <u>semiannual updates</u> on efforts for <del>monitoring</del> <u>air measurements</u> and inspection or complaint investigations on fugitive emissions and odors from oil drilling and production sites</li> </ul>

<sup>ii</sup> Specific or detailed information from ongoing enforcement investigations will not be able to be shared until Notices of Violation, if any, are settled or closed



Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Collaborate with DOGGR to identify active, inactive, and abandoned oil wells in the community</u></li> <li>• <u>Work with the CSC to identify priority locations for air measurements</u></li> <li>• Conduct mobile <del>monitoring</del> <u>air measurements</u> around active, idle, and abandoned oil drilling sites to identify potential leaks, and screen for elevated ambient air levels in nearby communities</li> <li>• Perform inspections, and respond to complaints</li> <li>• Provide <del>monitoring</del> <u>air measurement data</u> <del>and to CSC and partner agencies</del> <u>and make air measurement data from these actions available online</u></li> <li>• <u>Make a referral to DOGGR, if elevated levels are found around abandoned wells</u></li> <li>• <u>Provide periodic air measurement and enforcement updates to CSC</u></li> </ul>
CSC Members	Prioritize oil drilling and production locations in the community that are the top concerns
City of Los Angeles	<ul style="list-style-type: none"> <li>• <u>Collaborate with South Coast AQMD to identify active, inactive, and abandoned oil wells in the community</u></li> <li>• May conduct follow-up inspections of oil drilling and production sites</li> <li>• Refer appropriate issues identified at these sites to South Coast AQMD</li> </ul>
Division of Oil, Gas, and Geothermal Resources (DOGGR)	<ul style="list-style-type: none"> <li>• Refer appropriate issues identified at these sites to South Coast AQMD</li> <li>• Follow up on referrals from other agencies to DOGGR</li> </ul>
Community-Based Organizations	Conduct community air monitoring that is complementary to South Coast AQMD community monitoring efforts
Additional Information:	
DOGGR: <a href="https://www.conservation.ca.gov/dog/Pages/Index.aspx">https://www.conservation.ca.gov/dog/Pages/Index.aspx</a>	



## Action 2: Improved Public Information and Notifications on Activities at Oil Drilling and Production Sites

### Course of Action:

- Develop fact sheets or info-graphics summarizing findings from ~~monitoring~~ air measurement data, complaint response, and inspections of oil drilling and production facilities in this community
- Work with local public health departments on health-related messaging on risks posed by these oil drilling and production facilities (e.g., water pollution, hazardous waste storage, etc.) and measures to reduce exposure to risks from oil drilling and production sites
- Work with local public health departments to distribute fact sheets or info-graphics to the community
- Review the Los Angeles County Department of Public Health's finalized Community Health Improvement Plan (CHIP) and incorporate air quality related information to address or mitigate emissions from oil drilling and production sites
- Work with stakeholders to identify and implement key areas for improvement for the Rule 1148.2 information and notifications
- Provide community workshops and training on how to subscribe to and use notifications

### Strategies:

- Public Information and Outreach
- Collaboration

### Goal(s):

- Develop fact sheets and info-graphics that provide guidance on reducing exposure to oil drilling and production site activities, and summaries of the findings from ~~monitoring~~ air measurements and inspection activities
- Provide the CSC with semiannual updates regarding the South Coast AQMD's role in the CHIP
- Improve Rule 1148.2 notifications based on stakeholder input, e.g. to include health-related messaging
- Hold two community workshops to provide training on how to use notification systems
- Provide quarterly or semiannual ~~biannual~~ updates to the CSC on progress

### Estimated Timeline(s):

- First quarter of 2020, begin working with stakeholders to identify improvements for Rule 1148.2 notifications
- Third quarter of 2020, begin working with local public health departments to develop fact sheets, info-graphics, and messaging for notifications

<ul style="list-style-type: none"> <li>• <u>When finalized, review the Los Angeles County Department of Public Health's finalized CHIP and incorporate air quality related information to address or mitigate emissions from oil drilling and production sites</u></li> <li>• 2021, implement improvements to notifications and organize community workshops and training</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Work with Public Health Departments to develop outreach materials <u>(e.g., fact sheets or info-graphics)</u> and improvements to notifications <u>for health-related messaging</u></li> <li>• <u>Review the Los Angeles County Department of Public Health's finalized CHIP and incorporate air quality related information to address or mitigate emissions from oil drilling and production sites</u></li> <li>• Work with stakeholders to improve notifications</li> <li>• Organize and host public workshops and training</li> </ul>
Public Health Departments	<ul style="list-style-type: none"> <li>• Collaborate with South Coast AQMD to develop outreach materials for communities to distribute at key locations, such as schools, civic and activity centers, and other locations to provide public information</li> <li>• <u>Provide finalized CHIP (Los Angeles County Department of Public Health)</u></li> </ul>
Additional Information:	
Requirements for Rule 1148.2 (Oil and Gas Notifications): <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1148-2.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1148-2.pdf</a>	

### Action 3: Evaluate Feasibility to Amend Rule 1148 Series and Rule 1173 to Reduce Emissions and Require Additional Reporting

#### Course of Action:

- Utilize ~~monitoring~~ air measurement data from Community Air Monitoring Plan (CAMP) efforts and CARB's Study of Neighborhood Air near Petroleum Sources (SNAPS) program to identify possible additional emissions reductions or areas where annual reporting would be beneficial for establishing a more accurate emissions inventory
- Evaluate additional methods and practices to further reduce leaks, and whether additional chemicals should be added to the required list for reporting
- Consider amendments to Rule 1148 series and Rule 1173 to reduce emissions and improve emissions reporting from oil drilling and production sites. Examples of ~~additional~~ considerations may include:

<ul style="list-style-type: none"> <li>– <u>Additional provisions for new oil and gas wells located near sensitive land uses</u></li> <li>– <u>Real-time fenceline air monitoring for certain air pollutants (e.g., VOCs, criteria pollutants and hazardous air pollutants) and meteorological stations to aid in community notifications</u></li> <li>– <u>Vapor recovery systems</u></li> <li>– Leak detection technologies and programs</li> <li>– Lowering allowable emissions from on-site equipment (e.g., emission concentrations)</li> <li>– Improving emissions controls during well rework and maintenance activities</li> <li>– Lower-emission or zero-emission equipment for on-site operations <u>(e.g., assess feasibility to require cleaner engines)</u></li> <li>– Annual reporting of emissions</li> <li>– Improving reporting of chemicals used on-site <u>(e.g., combine event and chemical reporting information, correct Chemical Abstracts Service Registry Number, automate some data quality checks)</u></li> <li>– Conducting root-cause analysis and implementing odor minimization plans when odors are traced back to a facility</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Rules and Regulations</li> </ul>	
<b>Goal(s):</b>	
<ul style="list-style-type: none"> <li>• If a rule amendment is determined to be necessary and feasible, pursue rule development to reduce emissions from leaks and operations and enhance reporting requirements</li> <li>• Work with stakeholders to gather input on elements to incorporate in reporting</li> <li>• Provide quarterly or <del>biannual</del> <u>semiannual</u> updates to the CSC on progress</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li>• Second half of 2020, initiate rule development activities and hold first working group meeting</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• <u>Evaluate the feasibility of amending rules to add requirements for reducing emissions, reporting emissions, and reporting chemicals used at oil drilling and production sites</u></li> <li>• <u>Use air measurement data from CAMP and CARB's SNAPS program to identify areas where annual reporting would be beneficial for establishing a more accurate emissions inventory</u></li> <li>• <u>Evaluate additional methods and practices to further reduce leaks and whether additional chemicals should be added to the required list for reporting</u></li> </ul>

CSC Members	Participate in the South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.)
Additional Information:	
<ul style="list-style-type: none"><li>• Details about the requirements for the Rule 1148 Series (1148<sup>1</sup>, 1148.1<sup>2</sup>, 1148.2<sup>3</sup>) and Rule 1173<sup>4</sup> are available on South Coast AQMD's website</li><li>• Community Air Monitoring Plan (CAMP): <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb_camp.pdf">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb_camp.pdf</a></li><li>• CARB SNAPS: <a href="https://ww2.arb.ca.gov/our-work/programs/study-neighborhood-air-near-petroleum-sources/about">https://ww2.arb.ca.gov/our-work/programs/study-neighborhood-air-near-petroleum-sources/about</a></li></ul>	

## References

1. South Coast AQMD, Rule 1148 – Thermally Enhanced Oil Recovery Wells, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1148.pdf>, Accessed April 2019.
2. South Coast AQMD, Rule 1148.1 – Oil and Gas Production Wells, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1148-1.pdf>, Accessed April 2019.
3. South Coast AQMD, Rule 1148.2 - Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1148-2.pdf>, Accessed April 2019.
4. South Coast AQMD, Rule 1173 - Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1173.pdf>, Accessed April 2019.
5. South Coast AQMD, Rule 1176 – VOC Emissions from Wastewater Systems, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1176.pdf>, Accessed June 2019.
6. CARB, Oil and Gas Regulation, <https://www.arb.ca.gov/regact/2016/oilandgas2016/oilandgas2016.htm>, Accessed April 2019.
7. CARB, Oil and Natural Gas Production, Processing, and Storage, <https://ww2.arb.ca.gov/our-work/programs/oil-and-natural-gas-production-processing-and-storage/about>, Accessed April 2019.
8. Division of Oil Gas and Geothermal Resources, Well Finder, <https://www.conservation.ca.gov/dog/Pages/WellFinder.aspx>, Accessed April 2019.
9. South Coast AQMD, Amend Rule 1148.2 - Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers (Staff Report), <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2015/2015-sep4-038.pdf>, Accessed April 2019.
10. South Coast AQMD, Project #2 Quantification of Gaseous Emissions from Gas Stations, Oil Wells, and Other Small Point Sources, <http://www.aqmd.gov/fenceline-monitoring/project-2>, Accessed April 2019.
11. CARB, Study of Neighborhood Air near Petroleum Sources, <https://ww2.arb.ca.gov/our-work/programs/study-neighborhood-air-near-petroleum-sources/about>, Accessed April 2019.

---

# CHAPTER 5F:

## RAILYARDS

---

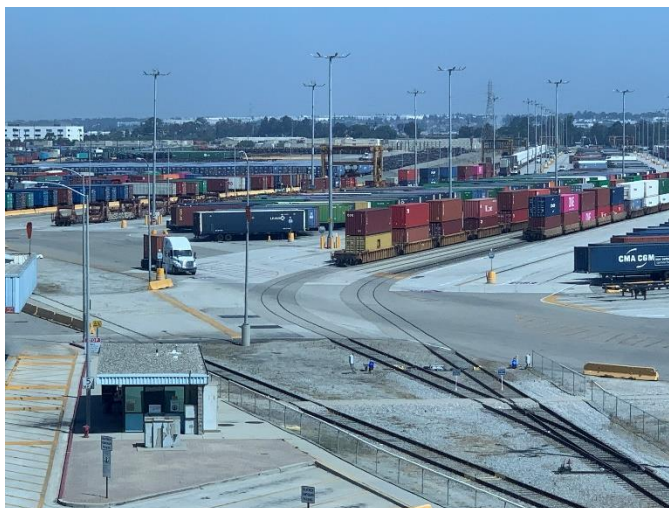
THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5f: Railyards (On-site Emissions)

### Background

Railyards are used to store, sort, or load and unload railroad cars. Common loads include containers (stacked or on trailers), tankers with chemical or petroleum products, and bulk products such as construction materials or grain. Containers can be transported to and from marine terminals for import and export, or to and from warehouses for storage and sorting before reaching their final destination. Regional rail container volumes are projected to increase between 2012-2040 in response to growing international trade.<sup>1</sup>

**Figure 5f-1: Union Pacific Intermodal Container Transfer Facility (ICTF)/Dolores**



BNSF Railway Company (BNSF) and Union Pacific (UP) Railroad Company, operate many railyards<sup>2</sup> throughout California. Two are located next to residential areas within the Wilmington, Carson, West Long Beach community including, BNSF Watson and UP Intermodal Container Transfer Facility (ICTF)/Dolores (Figures 5f-1 and 5f-12: Two off-port railyards within the Wilmington, Carson, West Long Beach). Several other on-dock railyards operate at the ports of Los Angeles and Long Beach at various marine terminals.<sup>1,3</sup>

### Community Air Quality Priority – Emissions from Railyards

Air pollution is generated by equipment and vehicles that are used for railyard operations. These vehicles and equipment move containers and railcars around the railyard to load, unload, and transport goods in and out of the railyard. Emissions can also be generated during maintenance activities (e.g., load testing of locomotives). Examples of equipment that is used for railyard operations include:

- Locomotives (including ‘switchers’ that build and deconstruct trains, often within railyards, and larger ‘line-haul’ locomotives that pull trains hundreds of miles between railyards)
- Drayage trucks (i.e., on-road tractors that pull trailers loaded with containers, often from the ports)

<sup>1</sup> Port of Los Angeles railyards are located at Berth 200, Pier 300, Pier 400, TraPac, West Basin Container Terminal, and Everport/Yusen terminals (TICTF) (<https://www.portoflosangeles.org/business/supply-chain/rail>). Port of Long Beach railyards are located at Pier A, Pier B, Pier E/Middle Harbor, Pier G, Pier J, and Pier T. (<http://www.polb.com/civica/filebank/blobdload.asp?BlobID=13281>). These railyards are addressed as part of the Ports actions.

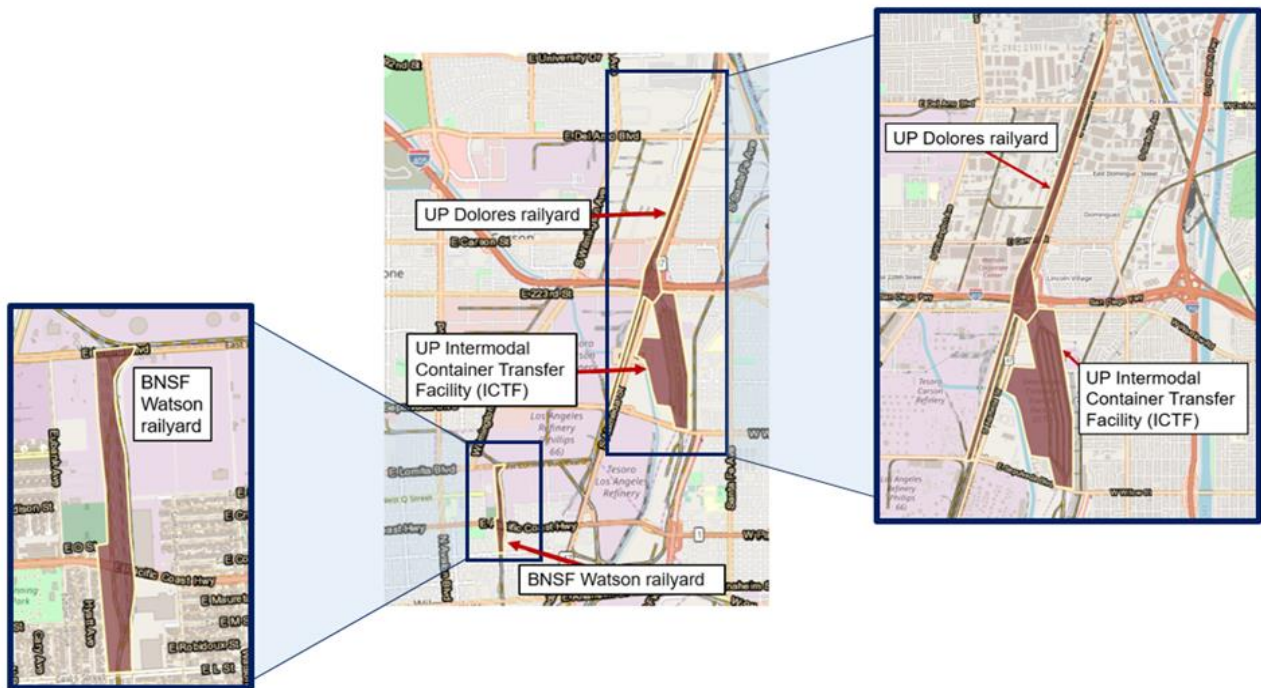


- Cargo handling equipment (e.g., gantry cranes, top picks, and off-road yard trucks)
- Transportation Refrigeration Units (e.g., truck refrigeration units and refrigerated railcars),~~and~~
- Miscellaneous (e.g., fuel trucks)

~~Appendix 5f – Railyards, provides additional information about on-road and off-road equipment at railyards and related emissions.~~

The Community Steering Committee (CSC) prioritized air pollution from railyards within the community based on concerns about diesel particulate emissions from trains and other diesel equipment at the BNSF Watson<sup>ii</sup> and UP ICTF/Dolores railyards. Potential opportunities to reduce emissions from diesel equipment used at railyards include replacing older equipment with newer less polluting equipment (e.g., replacing diesel-fueled yard trucks with electric yard trucks), and ensuring that the replacement or repower of equipment is based on the cleanest technology available.

Figure 5f-24: Two off-port railyards within the Wilmington, Carson, West Long Beach



### Ongoing Efforts

A short summary is provided below of the key regulations and programs that are in place or are being developed at the national, state, and local level to address emissions from railyards.

<sup>ii</sup> The BNSF Watson yard does not have drayage trucks, cranes, top picks, or off-road yard trucks.

### *Federal Actions*

Railroad operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, while locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority preempt certain federal, state, and local regulatory authorities. However, U.S. EPA has used its authority under the Clean Air Act to require new diesel locomotives to be built to meet the cleanest emission standard (also known as Tier 4).<sup>4</sup> This requirement also applies to certain locomotives that are remanufactured.<sup>iii</sup> These regulations require the installation of devices that reduce idling on newly manufactured<sup>iv,5</sup> and remanufactured locomotives.<sup>6</sup> These regulations do not require railroads to reduce their usage of older, higher-emitting locomotives. Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time. In 2017, CARB also petitioned U.S. EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines.

In 2017, CARB petitioned the U.S. EPA to update emission standards for new and remanufactured locomotives, establishing a cleaner Tier 5 standard for new engines.<sup>7,v</sup> The petition asked that the new emission standards go into effect in 2023 for remanufactured locomotives, and 2025 for new locomotives. South Coast AQMD supported the petition by sending a letter of support. The U.S. EPA acknowledged the receipt of the petition, but has not provided any update or plans for further action. Because locomotive engines can last over 30 years, locomotive fleet turnover is slow, so even if the U.S. EPA were to develop a Tier 5 emission standard, it would not result in immediate emission reductions. The CARB petition<sup>7</sup> is under review by the U.S. EPA.

### *State Actions (CARB)*

CARB has two agreements<sup>8,9</sup> with BNSF and UP to reduce locomotive emissions in and around railyards. An agreement in 1998 required BNSF and UP to meet a fleet average of Tier 2 for their locomotive engines operated in the South Coast Air Basin every year between 2010 and 2030. Both railroads have met this commitment every year. The second agreement in 2005 focused on railyards and required: implementation of an idling-reduction program, maximizing the use of ultra-low sulfur diesel fuel, preparation of health risk assessments, evaluation of measures to further reduce diesel particulate emissions, and an assessment of remote sensing technology to identify high-emitting locomotives. Both railroads have met the requirements from the 1998 and 2005 agreements. CARB has discussed the potential for two new regulations that would reduce emissions from locomotives, including regulation to reduce idling activity and a regulation to

---

<sup>iii</sup> Remanufacturing can include activities like replacing an old engine in a locomotive with a new engine. The useful life of a locomotive is typically at least ten years.

<sup>iv</sup> The U.S. EPA defines newly manufactured as freshly manufactured.

<sup>v</sup> Even if the U.S. EPA were to update the emission standards in response to the petition, the new standards would only apply to new and remanufactured locomotive engines. Given the slow turnover of the railroads' fleet, emissions reductions would not be immediate.

address non-preempted locomotive use in the state through retrofit, replacement and other actions. Also, CARB staff plans to develop amendments to the Cargo Handling Equipment Regulation, Transportation Refrigeration Unit Regulation, and its Drayage Truck Regulation to begin the transition to zero-emission technology starting in 2026.<sup>10</sup>

#### *South Coast AQMD*

South Coast AQMD previously adopted rules<sup>11</sup> that would have required railroads to reduce idling, conduct recordkeeping, and prepare emissions inventories and health risk assessments for railyards. However, the railroads sued South Coast AQMD, and the courts determined that the rules cannot currently be enforced as they are preempted by federal law. South Coast AQMD is evaluating potential strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions.<sup>12</sup> This ISR was initially intended to address regional air pollution, in particular through reducing NOx emissions. The CSC has made it clear that an ISR must also focus on reducing localized impacts from railyards. The railroads have participated in workshops related to Facility Based Mobile Source Measures (FBMSM) and will continue to work with South Coast AQMD staff and the community.

South Coast AQMD also funds projects to help develop technology that can lower emissions from locomotives (e.g., natural gas hybrid, battery electric, and fuel cell). These projects are in the design and demonstration phase and not yet commercially available. Additionally, the South Coast AQMD provides incentives for rail operators that purchase technologies for locomotives<sup>13</sup> and cargo handling equipment<sup>14</sup> that is cleaner than required.

#### Opportunities for Action

The South Coast AQMD continues to seek opportunities to reduce air pollution from railyards. The actions below have been identified by the CSC to reduce emissions from railyards.

Action 1: Reduce Emissions from Railyards
Course of Action:
<ul style="list-style-type: none"> <li>• <del>Continue to pursue</del> Pursue strategies to reduce air pollution from railyards through the development of <del>Indirect Source Rule (ISR)</del> <u>Indirect Source Rule (ISR)</u> requirements, including reducing localized emissions and exposures</li> <li>• Work with CARB on the development of new requirements to reduce air pollution from railyards</li> <li>• Work with local utilities and state agencies <del>like the</del> <u>(e.g., California Energy Commission and the Public Utilities Commission)</u> to encourage the installation of infrastructure needed to fuel/charge zero-emissions vehicles and equipment</li> </ul>

<ul style="list-style-type: none"> <li>• Continue to support CARB's petition<sup>vi</sup> to the U.S. EPA for new national locomotive emission standards for near zero and zero-emission locomotives</li> <li>• Work with railyards in the Wilmington, Carson, West Long Beach community to replace diesel fueled equipment with cleaner technologies<sup>vii</sup></li> <li>• Use emissions inventory and <u>air</u> monitoring information to identify opportunities for emission reductions</li> </ul>
Strategies:
<ul style="list-style-type: none"> <li>• Rules and Regulations</li> <li>• Incentives</li> <li>• Collaboration</li> <li>• <u>Air Monitoring</u></li> </ul>
Goal(s):
<ul style="list-style-type: none"> <li>• Provide <del>bi-annual</del> <u>semiannual</u> updates on new requirements being developed by CARB and South Coast AQMD to the CSC</li> <li>• Prioritize reducing air pollution from railyards located in environmental justice communities, such as, Wilmington, Carson, West Long Beach</li> <li>• Replace diesel equipment at railyards through incentive funding programs</li> <li>• <u>Achieve emission reductions through mobile source incentives and statewide mobile source regulation measures as specified in Chapter 5a</u></li> </ul>
Estimated Timeline(s):
<ul style="list-style-type: none"> <li>• In 2020, South Coast AQMD to consider new ISR on railyards</li> <li>• Between 2020 and 2022, CARB to consider new regulations <u>and/or other measures:</u> <del>for locomotives</del> <ul style="list-style-type: none"> <li>– <u>Between 2020 and 2022, for locomotives</u></li> <li>– By 2022, CARB to consider amending its regulations for zero-emission drayage trucks and cargo handling equipment</li> <li>– <u>By 2020, CARB to consider amending its regulation for zero-emission transport refrigeration units (TRUs)</u></li> </ul> </li> <li>• <u>2020, begin working with local utilities and state agencies (e.g., California Energy Commission and the Public Utilities Commission) to encourage the installation of infrastructure needed to fuel/charge zero-emissions vehicles and equipment</u></li> <li>• <u>Continue to support CARB's petition to the U.S. EPA for new national locomotive standards</u></li> <li>• Second quarter 2020, South Coast AQMD will provide incentive information to railyards to work towards replacing diesel-fueled equipment with cleaner</li> </ul>

<sup>vi</sup> CARB Locomotive Petition to U.S. EPA (April 2017): <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>.

<sup>vii</sup> A variety of technology assessments have been conducted to assist in this effort. Examples include: <https://ww2.arb.ca.gov/resources/documents/technology-and-fuels-assessments> and <http://www.cleanairactionplan.org/documents/draft-2018-feasibility-assessment-for-cargo-handling-equipment.pdf>

<p>technologies at railyards located in the Wilmington, Carson, West Long Beach community</p> <ul style="list-style-type: none"> <li>• <u>When available, Use emissions inventory and air monitoring information to identify opportunities for emission reductions, when available</u></li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• <del>Continue to p</del>Pursue indirect source requirements for railyards, and improve community access to rule development process by holding a working group meeting in this community</li> <li>• <u>Work with CARB on the development of new requirements to reduce air pollution from railyards</u></li> <li>• <u>Work with local utilities and state agencies to encourage the installation of infrastructure needed to fuel/charge zero-emissions vehicles and equipment</u></li> <li>• <u>Continue to support CARB's petition to the U.S. EPA for new national locomotive emission standards</u></li> <li>• <del>Provide the CSC with updates on the development of indirect source requirements for railyards</del></li> <li>• Allocate incentive funding to replace on-site diesel equipment with zero-emission technologies</li> <li>• <u>Use emissions inventory and air monitoring information to identify opportunities for emission reductions</u></li> <li>• <u>Provide the CSC with updates on the development of indirect source requirements for railyards</u></li> </ul>
<u>CSC Members</u>	Participate in <del>the</del> CARB and South Coast AQMD rulemaking process (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for regulations affecting railyards
CARB	<ul style="list-style-type: none"> <li>• Pursue regulations to achieve additional emission reductions at railyards</li> <li>• Prioritize enforcement and seek new financial incentives for railyards</li> </ul>
<u>BNSF Watson and UP Intermodal Container Transfer Facility (ICTF)/Dolores</u>	<u>Participate in the CARB and South Coast AQMD rulemaking process</u>
Additional Information:	
<ul style="list-style-type: none"> <li>• Carl Moyer Program: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades">http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades</a></li> </ul>	

- CARB's proposed regulations to reduce emissions from locomotives: <https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives>
- CARB's actions to minimize community health impacts from freight and estimated timelines: <https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf>
- CARB's Locomotive Petition to U.S. EPA: <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>

## References

1. Southern California Association of Governments, 2016 RTP, Goods Movement Appendix, April 2016, [http://scagrtpsc.net/Documents/2016/final/f2016RTPSCS\\_GoodsMovement.pdf](http://scagrtpsc.net/Documents/2016/final/f2016RTPSCS_GoodsMovement.pdf), Accessed June 2019.
2. California Air Resources Board, Railyard Maps, March 2013, <https://www.arb.ca.gov/railyard/community/map.htm>, Accessed May 1, 2019.
3. Caltrans GIS Data, May 20 2019, <http://www.dot.ca.gov/hq/tsip/gis/datalibrary/>, Accessed June 3, 2019.
4. U.S. EPA, Regulations for Emissions from Locomotives, <https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-emissions-locomotives>, Accessed May 1, 2019.
5. U.S. EPA, Locomotive Emission Standards Regulatory Support Document, April 1998, <https://nepis.epa.gov/Exe/ZyPDF.cgi/P100F9QT.PDF?Dockey=P100F9QT.PDF>, Accessed July 24, 2019.
6. U.S. EPA, Diesel Fuel Standards and Rulemakings, <https://www.epa.gov/diesel-fuel-standards/diesel-fuel-standards-and-rulemakings#nonroad-diesel>, Accessed May 1, 2019.
7. California Air Resources Board, CARB Locomotive Petition to U.S. EPA, April 2017, <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>, Accessed June 5, 2019.
8. California Air Resources Board, 1998 Tier 2 Fleet Average in the South Coast Air Basin Agreement: <https://www.arb.ca.gov/railyard/1998agree/1998agree.htm>, Accessed July 12, 2019.
9. California Air Resources Board, 2005 Statewide Rail Yard Agreement, <https://www.arb.ca.gov/railyard/2005agreement/2005agreement.htm>, Accessed July 12, 2019.
10. California Air Resources Board, <https://www.arb.ca.gov/gmp/sfti/sfti.htm>, Accessed June 5, 2019.

11. South Coast AQMD, Regulation XXXV, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxxv>, Accessed July 12, 2019.
12. South Coast AQMD, Railyards & Intermodal Facilities Working Group, <http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp>, Accessed May 1, 2019.
13. South Coast AQMD, Locomotives, [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/locomotives](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/locomotives), Accessed May 31, 2019.
14. South Coast AQMD, Off-Road Compression-Ignition Equipment – Cargo Handling Equipment (CHE), [http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-\(carl-moyer\)-program/che-off-road-compression-ignition-equipment](http://www.aqmd.gov/home/programs/business/carl-moyer-memorial-air-quality-standards-attainment-(carl-moyer)-program/che-off-road-compression-ignition-equipment), Accessed May 31, 2019.

---

# CHAPTER 5G:

## SCHOOLS, CHILDCARE CENTERS, AND HOMES

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5g: Schools, Childcare Centers, and Homes – Exposure Reduction

### Background

The Wilmington, Carson, West Long Beach community identified children’s exposure to harmful air pollutants while at school and childcare centers as a priority. A major pollutant of concern in this community is diesel particulate matter (DPM), which can cause health problems. Many environmental justice communities experience a disproportionately high level of exposure to these pollutants, especially when there are schools, homes, and other locations where people spend a lot of time (e.g., parks) that are close to air pollution sources. Children, seniors, and people with certain medical conditions are especially sensitive to the impacts of air pollution. ~~Steps~~ However, ~~proactive steps~~ such as installing high performance air filtration systems ~~in schools~~ inside school buildings<sup>i</sup> and notifying the public when air quality is unhealthy can reduce a child’s exposure to harmful air pollutants.

### Community Air Quality Priorities – Reducing Exposures at Schools, Childcare Centers, Homes, or Where Sensitive Populations Spend Time

Community Steering Committee (CSC) members identified hospitals, senior centers, and schools as places where the South Coast AQMD should focus on reducing exposure to harmful air pollutants. The CSC provided examples, such as the idling of diesel trucks and locomotives near schools or parks that provide exposure to harmful air pollutants found in diesel exhaust. The CSC members also shared instances where students and other sensitive populations near sources of air pollution experienced health problems.

To address community concerns about the health impacts of air pollution, the CSC members prioritized community outreach and engagement as a way to reduce exposure to harmful air pollutants. This includes providing information to schools, childcare centers, and when outdoor air pollution levels are unhealthy, and suggest ~~proactive~~ steps that can be taken to reduce exposure when air quality is unhealthy. Other input received includes increasing the amount of green space, such as planting trees around the community.

The CSC also identified school and residential air filtration as another effective way to reduce exposure to air pollution, particularly for residents who live in areas close to major sources of diesel emissions. The South Coast AQMD does not currently have a program to provide residential filtration systems<sup>i</sup>; however, the agency will work with its partners to identify opportunities for residential filtration systems and share this information with the CSC.

---

<sup>i</sup> The South Coast AQMD will work with CARB’s Indoor Air Quality program and its contractor to identify effectiveness and opportunities for residential filtration and share this information with the CSC.

## Ongoing Efforts

### *School Air Filtration*

The installation of air filtration systems in schools can reduce exposure to air pollution inside school buildings. There are certain types of air filtration systems (“high efficiency air filters”) that are effective in filtering very small particles like those from diesel engines. These small particles can be inhaled deep into the lungs and cause health problems. These filtration systems may be beneficial to schools located near freeways, truck routes, ports, rail yards, and other sources<sup>1</sup> of diesel emissions.

South Coast AQMD has administered the installation of air filtration systems at schools in the Los Angeles Unified School District since 2006. To date, these systems have been installed at 24 schools within the Wilmington, Carson, West Long Beach community. Figure 5g-1 and Table 5g-1 summarizes the location and list of schools that have air filtration systems installed within this community. The map and table show only include schools that have had air filtration systems installed through ~~programs-funds~~ administered by the South Coast AQMD. Other school districts may have installed high efficiency air filtration systems through other ~~programs-or~~ funding sources. For example, Long Beach Unified School District received funding from the Port of Long Beach to install stand-alone air filtration systems. Table 5g-2 lists the schools in West Long Beach that have had air filtration systems installed through funding from the Port of Long Beach.

### *Environmental Justice Community Partnership (EJCP)<sup>2</sup> Clean Air Ranger Education (CARE)<sup>3</sup>*

The EJCP is designed to build relationships with community members and organizations to achieve clean air and healthy, sustainable communities. The Clean Air Ranger Education (CARE) Pilot Program is a program designed for elementary school education and includes topics on air pollution and health, air quality flags, and zero-emissions equipment demonstrations.

### ~~*Kids Making Sense Program<sup>4</sup>*~~

~~Low-cost sensor technology allows the South Coast AQMD to implement a new program for high school teachers and students in environmental justice communities by combining science, technology, engineering, and math education with air quality coursework.~~

### *Why Air Quality Matters (WHAM) High School Education Program*

The South Coast AQMD is implementing Why Air Quality Matters (WHAM), a Science, Technology, Engineering and Math (STEM) and experiential learning based curriculum, in high schools located within environmental justice communities. WHAM will increase teacher and student awareness on air quality issues in their communities and beyond through activities and experiments, including measuring particulate matter using low-cost, hand-held sensors.

Figure 5g-1: Map of schools in Wilmington, Carson, West Long Beach with air filtration systems installed through programs/funds administered by the South Coast AQMD

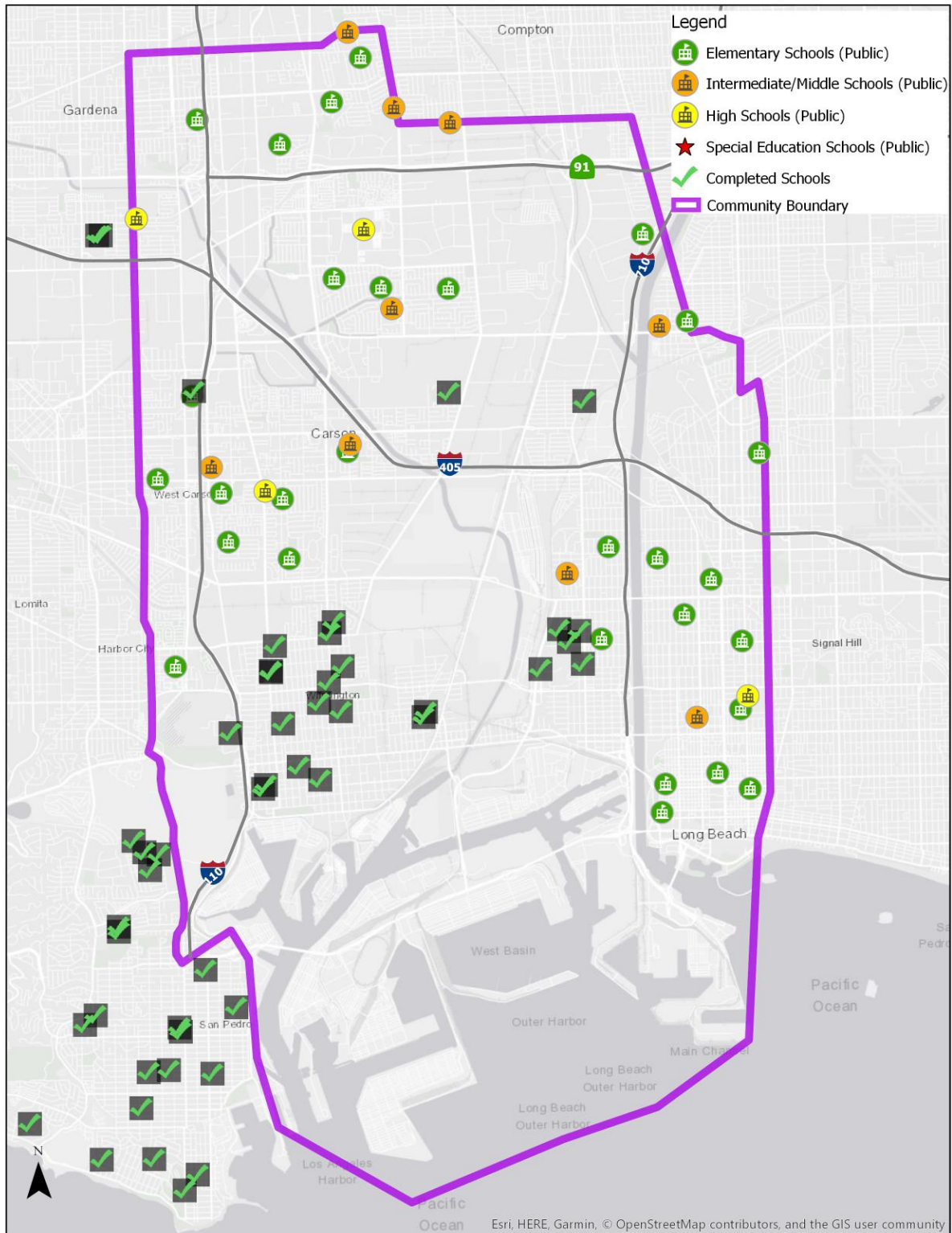


Table 5g-1: List of schools in Wilmington, Carson, West Long Beach with air filtration systems installed through ~~programs~~ funds administered by the South Coast AQMD

Name of School	
Avalon High School	Hawaiian Ave Early Education Center
Bethune Elementary School	Hawaiian Ave Elementary School
Broad Ave Elementary School	Hudson Elementary School
Cabrillo High School	Pacific Harbor Christian School K-12
Del Amo Elementary School	Phineas Banning High School
Dominguez Elementary School	Reid High School
Fries Ave Elementary School	Saints Peter and Paul K-8
George De La Torre Elementary School	Saint Lucy K-8
Gulf Ave Elementary School	Wilmington Christian School K-8
Happy Harbor Preschool	Wilmington Middle School
Harbor Teacher Preparatory High School	Wilmington Park Early Education Center
Harry Bridges Span K-8	Wilmington Park Elementary School

Table 5g-2: List of schools in West Long Beach with stand-alone air filtration systems installed through funding from the Port of Long Beach

Name of School	
Birney Elementary School	Los Cerritos Elementary School
Edison Elementary School	Muir K-8
Garfield Elementary School	Robinson K-8
George Washington Middle School	Stephens Middle School
Lafayette Elementary School	Webster Elementary School

### Opportunities for Action

In addition to filtration systems at schools, the CSC prioritized education and outreach as a way to reduce exposure to harmful air pollutants. Strategies to reduce the exposure to these pollutants are described below.

#### Action 1: Reduce Exposure to Harmful Air Pollutants through Public Outreach to Schools and Childcare Centers

##### Course of Action:

- Provide air quality related programs to schools, including the Environmental Justice Community Partnership (EJCP); Clean Air Ranger Education (CARE) program; and Why Air Quality Matters (WHAM)~~Kids Making Sense~~ program
- Partner with local school districts to provide information on programs such as Safe Routes to School or ridesharing
- Partner with community-based organizations such to share information or ~~provide~~ engage in outreach to schools for asthma related programs
- If funding sources and partnering agencies are identified, work with appropriate agencies to implement direct public health interventions (e.g., asthma management programs)
- Partner with the Los Angeles County and City of Long Beach Departments of Public Health on providing information on how to receive air quality advisories, and how to reduce exposure to air pollution, particularly for sensitive populations. Work with the school districts to provide this information to local schools and childcare centers

##### Strategies:

- Public Information and Outreach
- Collaboration

##### Goal(s):

- ~~Participate-Engage in two~~ Engage in two public outreach events (e.g., health fairs, Earth week event) at schools or childcare centers on information relating to air quality and reducing exposure
- ~~Provide 2 childcare centers with~~ Provide 2 schools with information relating to air quality effects on young children and reducing exposure to facilities where children are located (e.g., schools, childcare centers, etc.). Outreach will be prioritized, prioritizing centers based on CSC input during the implementation period of this CERP
- Implement EJCP CARE program and ~~Kids Making Sense~~ WHAM programs in at least at two schools, with the possibility of continuing for up to three years<sup>ii</sup>
- Collaborate with community-based organizations to ~~co-host~~ engage in outreach meetings

<sup>ii</sup> Number of schools and duration of program is contingent upon renewing funding source for subsequent years.

<ul style="list-style-type: none"> <li>Encourage school districts to reduce the number of vehicle miles traveled and/or participate in programs such as Safe Routes to Schools</li> </ul>	
<b>Estimated Timeline(s):</b>	
<ul style="list-style-type: none"> <li>Early 2020, begin outreach efforts with school districts to provide air quality related programs to schools</li> <li>Early 2020, begin outreach efforts with school districts to provide information on programs, such as, Safe Routes to School or ridesharing</li> <li>Early 2020, begin outreach efforts with community-based organizations</li> <li>Fourth quarter of 2019, begin working with health departments on developing outreach materials</li> <li><u>Continue to identify funding sources or partnering agencies to work on direct public health interventions</u></li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li><del>Implement the EJCP CARE program and Kids Making Sense</del><u>WHAM</u> program to schools</li> <li><u>Partner with local school districts to provide information on programs such as Safe Routes to School or ridesharing, (e.g., prepare flyer and/or infographic to provide to school districts (students and parents) about rideshare benefits and programs)</u></li> <li>Partner with community-based organizations and Departments of Public Health <u>to engage in outreach to schools for</u><del>on asthma related-based</del> programs and air quality <del>advisories</del><u>notifications</u> that inform the community about proactive steps to reduce exposure to harmful air pollutants</li> <li><u>If funding sources and partnering agencies are identified, work with appropriate agencies to implement direct public health interventions (e.g., asthma management programs)</u> <del>Prepare flyer and/or infographic to provide to school districts (students and parents) about rideshare benefits and programs</del></li> </ul>
Los Angeles County <u>and Long Beach</u> Departments of Public Health	Partner with South Coast AQMD on developing notifications to schools for air quality advisories
<del>Long Beach Department of Public Health</del>	<del>Partner with South Coast AQMD on developing notifications to schools for air quality advisories</del>



Community Based Organizations (with asthma related programs)	Partner with South Coast AQMD to share information and/or <del>provide-engage in</del> outreach to school districts for asthma-related programs
Additional Information:	
<ul style="list-style-type: none"> <li>Clean Air Ranger Education (CARE) Program: <a href="http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf">http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf</a></li> <li>Kids Making Sense Program: <a href="https://kidsmakingsense.org/">https://kidsmakingsense.org/</a></li> </ul>	

Action 2: Reduce Exposure to Harmful Air Pollutants at Schools	
Course of Action:	
<ul style="list-style-type: none"> <li>Continue the installation of school air filtration systems<sup>iii</sup> with priority given to schools near truck routes, railyards, and/or major freeways</li> <li>Explore opportunities for additional schools and funding to provide filter replacements for schools already equipped with high efficiency filtration systems</li> </ul>	
Strategy:	
<ul style="list-style-type: none"> <li>Exposure Reduction</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>Installation of air filtration systems in schools identified by CSC members.<sup>iv</sup> Schools with priority given to schools near truck routes, railyards, and/or major freeways</li> <li>Provide filter replacements for up to a five year period</li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li><u>Starting in mid-2020, through the implementation of the CERP, begin installation of air filtration systems in schools</u></li> <li>2019 through 2025, extend replacement filters at schools with existing high efficiency replacement systems</li> <li><u>Beginning 2020, provide CSC with semiannual updates on number of schools that have had filtration systems installed</u></li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Installation of air filtration systems in schools</li> </ul>

<sup>iii</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continue to be provided to schools that have had air filtration systems installed. Given that these projects are dependent on available funding, the CSC will need to prioritize which schools receive air filtration systems.

<sup>iv</sup> Public schools, including charter schools, childcare centers, and public community centers, are eligible for the South Coast AQMD program.



	<ul style="list-style-type: none"> <li>• <u>Explore opportunities for additional schools and funding to provide filter replacements for schools already equipped with high efficiency filtration systems</u></li> <li>• <u>Provide CSC with updates on school filtration systems</u></li> </ul>
School Districts within the Wilmington, Carson, West Long Beach community	Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs
Additional Information:	
Air filtration <u>systems</u> in schools: <a href="https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf">https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf</a>	

Action 3: Reduce Exposure to Harmful Air Pollutants in Homes <sup>v,vi</sup>	
Course of Action(s):	
<ul style="list-style-type: none"> <li>• Identify new or existing technologies, programs, and funding sources that can provide the most effective air filtration systems in homes<sup>vii</sup></li> </ul>	
Strategies:	
<del>Exposure Reduction</del> <ul style="list-style-type: none"> <li>• Incentives</li> <li>• Public Information and Outreach</li> </ul>	
Goal(s):	
<ul style="list-style-type: none"> <li>• Identify and partner with other entities to determine new or existing programs that can provide home filtration systems</li> <li>• If funding or programs become available, share information with CSC members</li> </ul>	
Estimated Timeline(s):	

<sup>v</sup> Air filtration systems will generally be less effective due to lower energy efficiency in older, pre-2006 homes typically found in Environmental Justice or disadvantaged communities. Limited research on the efficiency of high performance air filtration systems in older homes suggests a 25% - 30% lower efficiency for PM<sub>2.5</sub> and ultrafine PM is expected, which is comparable to having open doors and windows. Most data collected on efficiency of high performance air filtration systems has been on 2006 and new homes, showing an average removal efficiency of 90% for PM<sub>2.5</sub> and ultrafine PM.

<sup>vi</sup> CARB has not approved AB 617 funds for residential air filtration systems. The South Coast AQMD plans to continue to work with CARB to establish a protocol where residential air filtration systems can be installed using CARB funds.

<sup>vii</sup> If a funding source is identified, South Coast AQMD will provide information on such funds. Homeowners should install residential air filtration based on the guidelines outlined by the funding source.

<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify any new or existing air filtration programs in homes</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide resources for air filtration in homes</li> <li><del>Conduct</del> <u>Engage in</u> outreach and share information with CSC members, <u>when opportunities are available</u></li> </ul>
<u>Homeowners</u>	<u>When funding sources or programs are identified and available, apply for and install air filtration systems based on the guidelines outlined by the funding source</u>
Additional Information:	
<u>Not applicable</u>	

Action 4: Increase Green Space in Areas Where People Spend Time	
Course of Action(s):	
<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for tree planting <u>and the expansion of green space using native, drought tolerant plants</u></li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> </ul>	
Goals(s):	
<ul style="list-style-type: none"> <li>Partner with other <u>agencies or entities</u> (e.g., Los Angeles County Department of Public Health) to determine new or existing sources or programs that can provide funding to coordinate tree planting (prioritizing areas with sensitive populations) <u>and increase green space with native, drought tolerant plants</u></li> <li>If funding or programs become available, share information with CSC members</li> </ul>	
Estimated Timeline(s):	
<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify any existing funding sources for tree planting or increasing green space</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li><del>Identify</del> <u>Partner with agencies or entities to identify</u> new or existing sources or programs that can provide funding for tree planting <u>and green space expansion</u></li> <li><del>Conduct</del> <u>Engage in</u> outreach and share information with CSC members, when opportunities are available</li> </ul>

<u>Local city or county agencies/entities (e.g., Los Angeles Department of Public Health)</u>	<u>Work with South Coast AQMD to identify new or existing sources or programs that can provide funding for tree planting and green space expansion</u>
<u>CSC Members (e.g., community based organizations, businesses, etc.)</u>	<u>When funding sources or programs are identified and available, apply for and incorporate green spaces and tree planting within the community</u>
Additional Information:	
<u>Not applicable</u>	

## References

1. Polidori, A., *et al.* "Pilot Study of High-Performance Air Filtration for Classroom Applications." *Indoor Air*, vol. 23, no. 3, 2012, pp. 185–195., doi:10.1111/ina.12013
2. South Coast AQMD, Environmental Justice Community Partnership, <http://www.aqmd.gov/ejcp>, Accessed June 6, 2019.
3. South Coast AQMD, Environmental Justice Community Partnership Advisory Council, June 2019, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf>, Accessed June 6, 2019.
4. ~~Sonoma Technology, Kids Making Sense, 2017, <https://kidsmakingsense.org/>, Accessed June 6, 2019.~~

---

# CHAPTER 5H:

## IMPLEMENTATION SCHEDULE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5h: Implementation Schedule

The CERP addresses air quality priorities identified by the Wilmington, Carson, West Long Beach Community Steering Committee (CSC). To reduce air pollution from sources that contribute to these priorities, the CSC developed a set of actions to be implemented by government agencies, organizations, businesses, and other entities. The implementation period of the actions in this CERP is expected to be approximately five years. The actions will occur during the timeframe of the plan; however, some actions by South Coast AQMD are ongoing (e.g., certain regulatory, enforcement, and incentive activities). Rules that are adopted or amended will continue to be in effect beyond the implementation period of the CERP and will continue to be enforced to ensure that facilities maintain compliance.- Additionally, some actions in the CERP are designed to allow for minor adjustments when new information becomes available. For example, based on initial air monitoring results, the CSC may refine specific strategies to focus on sources that show elevated emissions. Moreover, allowing these types of adjustments will facilitate successful implementation.

Each action in the CERP provides goals ~~to~~ that include metrics designed to measure the progress of the CERP. Examples of these metrics are quarterly enforcement sweeps and emission reduction targets. Beginning in 2021, the South Coast AQMD staff will provide an annual update to the CSC on the goals for each action in the CERP.

An overview of the schedule for implementing the actions in the CERP is shown in Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities and Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions. Figure 5h-1 covers rule development activities to address air quality priorities in the CERP, and Figure 5h-2 provides a timeline for air monitoring, enforcement, incentives, outreach, and other activities.

Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities




	2019	2020	2021-2022	2024-2030
	<ul style="list-style-type: none"> <li>Rule development for Rule 1109.1</li> <li>Rule 1180 implementation</li> <li>Continue development of Facility-Based Mobile Source Measures (FBMSM) for Ports through a MOU</li> </ul>	<ul style="list-style-type: none"> <li>Consider Railyard Indirect Source Rule <u>and Rule 1109.1</u></li> <li>Initiate rulemaking for:               <ul style="list-style-type: none"> <li>Rule 1118</li> <li>Rule 1148 series</li> <li><del>Rule 1178</del></li> <li>Rule 1173</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Initiate rulemaking for:               <ul style="list-style-type: none"> <li>Rule 1142</li> <li>Rule 1178</li> </ul> </li> <li>On-going rule development efforts and implementation, for example, working group process for rules initiated in 2020</li> <li>Participate in CARB's rule development efforts for <del>CARB regulations applicable specified in</del> <u>to this plan</u></li> </ul>	
	<ul style="list-style-type: none"> <li>CARB to consider At-Berth Regulation</li> </ul>	<ul style="list-style-type: none"> <li>CARB to consider:               <ul style="list-style-type: none"> <li>Heavy-Duty Low NOx Rule</li> <li>Commercial Harbor Craft Regulation</li> <li>Transport Refrigeration Unit (TRU) Regulation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>CARB to consider:               <ul style="list-style-type: none"> <li>Drayage Truck Rule</li> <li>Zero-Emission Fleet Rule</li> <li>Cargo Handling Equipment Rule</li> <li>Potential new locomotive regulations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Phase-in CARB Regulations including:               <ul style="list-style-type: none"> <li>Drayage Truck Rule</li> <li>Advanced Clean Truck Rule</li> <li>Zero-Emission Fleet Rule</li> <li>Heavy-Duty Low NOx Rule</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>U.S. EPA to release Draft Clean Truck Initiative</li> </ul>		<ul style="list-style-type: none"> <li>Phase-in U.S. EPA's Cleaner Truck Initiative</li> </ul>

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

		2019	2020	2021
Air Monitoring	Refineries	<ul style="list-style-type: none"> <li>Begin <del>mobile monitoring</del> <u>air measurement surveys</u> at refineries</li> <li>Begin periodic updates to <u>the</u> CSC on refinery <u>air</u> monitoring efforts identifying and addressing VOC leaks</li> </ul>	<ul style="list-style-type: none"> <li><u>Conduct periodic measurements to establish a VOC emissions baseline for all refineries</u></li> </ul>	<ul style="list-style-type: none"> <li><u>Establish a VOC emissions baseline for all refineries, using air measurements such as fenceline and mobile air measurements (Action 2)</u></li> </ul>
	Ports	<ul style="list-style-type: none"> <li>Begin oil tanker leak surveillance <del>monitoring</del> <u>air measurements</u></li> </ul>		
	Truck Traffic	<ul style="list-style-type: none"> <li>Begin <del>mobile</del> <u>air</u> measurements to identify air pollution hot spots</li> <li>Start evaluating data to assess the impact of idling truck emissions on community exposure</li> </ul>		
	Oil Drilling and Production	<ul style="list-style-type: none"> <li>Begin to use data from DOGGR to identify the active, idle, and abandoned wells in this community</li> </ul>	<ul style="list-style-type: none"> <li>Begin <del>mobile monitoring</del> <u>air measurements</u> around the oil drilling and production locations               <ul style="list-style-type: none"> <li>Prioritize locations identified by the CSC</li> <li>Post data on a dedicated webpage on the South Coast AQMD website within 30 days</li> </ul> </li> <li>Provide CSC members with periodic updates on these efforts</li> </ul>	
	Railyards	<ul style="list-style-type: none"> <li>Use emissions inventory and <del>monitoring</del> <u>air measurement</u> information to identify opportunities for emission reductions</li> <li>Begin <del>monitoring</del> <u>air measurement</u> activities at railyards to identify activities that may increase levels of air pollution in nearby communities</li> </ul>		
	Sensitive Receptors	<ul style="list-style-type: none"> <li>Begin <del>mobile</del> <u>air</u> measurements at and near schools and other sensitive receptors</li> <li>Share preliminary data with <u>the</u> CSC to identify specific receptors for more detailed <del>monitoring</del> <u>air measurements</u></li> </ul>		



Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

		2019	2020	2021
Enforcement	South Coast AQMD	<ul style="list-style-type: none"> <li>• Begin idling truck focused inspections<sup>i</sup></li> <li>• Conduct follow-up inspections<sup>i</sup> at refineries, as needed, based on <del>mobile monitoring</del> <u>air measurement</u> results</li> </ul>	<ul style="list-style-type: none"> <li>• Begin providing <u>the</u> CSC members periodic updates on inspection or complaint investigations<sup>i</sup> on fugitive emissions and odors from oil drilling and production sites</li> <li>• Work with <u>the</u> CSC to identify the top priority oil drilling and production locations in this community</li> <li>• Begin offshore ship investigations<sup>i</sup></li> </ul>	
	CARB	<ul style="list-style-type: none"> <li>• Update the CSC on CARB's enforcement of the existing Drayage Truck Regulation</li> <li>• Work with <u>the</u> South Coast AQMD (and CHP) to coordinate, at a minimum, quarterly idling sweeps and focused inspections for a period of one year</li> </ul>	<ul style="list-style-type: none"> <li>• Conduct enhanced roadside inspections utilizing CSC input to locate areas of concern</li> <li>• Conduct enhanced roadside enforcement of existing Drayage Truck and Truck and Bus regulations</li> <li>• Begin to provide updates on CARB's enforcement of truck regulations</li> <li>• Based on findings from idling sweeps, the CSC identified Community Priorities List, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC bi-annually for future adjustments</li> </ul>	

<sup>i</sup> South Coast AQMD staff cannot provide updates on ongoing investigations.

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

2019		2020	2021
Incentives:	Ports	<ul style="list-style-type: none"> <li>Funding opportunities for cleaner port equipment and drayage trucks</li> <li>Sign agreement for joint clean vessel incentive program with Asian ports</li> <li>Conduct outreach for cleaner technologies incentive ships, harbor craft, trucks</li> <li>Conduct incentive outreach events, when incentive programs are open for applications</li> </ul>	
	Neighborhood Trucks	<ul style="list-style-type: none"> <li>Begin conducting incentive outreach events and provide quarterly or <del>biannual</del> <u>semiannual</u> updates to the CSC conduct outreach to truck owners and operators<sup>ii</sup></li> <li>Conduct outreach for cleaner technologies incentives for trucks</li> </ul>	
	Railyards	<ul style="list-style-type: none"> <li>Provide incentive information to railyards to work towards replacing diesel-fueled equipment with cleaner technologies at railyards located in this community</li> </ul>	
	Schools, Childcare Centers, Homes	<ul style="list-style-type: none"> <li>Consult with CSC members and appropriate stakeholders to identify any existing funding sources for tree planting or increasing green space</li> </ul>	

<sup>ii</sup> When incentive programs are available

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

		2019	2020	2021
Outreach	Refineries		<ul style="list-style-type: none"> <li>Work with local public health departments to develop informational outreach materials for the community to describe the risks posed by emissions from refinery flaring, and how to reduce exposures</li> <li>Begin working with local public health departments to develop fact sheets that provide guidance on reducing exposure to oil drilling and production site activities</li> </ul>	<ul style="list-style-type: none"> <li>Hold workshops in the community to provide training on how to use flaring notification systems</li> </ul>
	Ports	<ul style="list-style-type: none"> <li>Conduct outreach for the Pacific Rim clean vessel incentive program</li> <li>Conduct outreach for FBMSM rule development meetings</li> </ul>		
	Trucks	<ul style="list-style-type: none"> <li>Conduct outreach to inform community members how to report idling trucks</li> </ul>	<ul style="list-style-type: none"> <li>Provide training to community leaders or organizations that provide application assistance for incentive programs for heavy-duty trucks</li> </ul>	
	Oil Drilling and Production			<ul style="list-style-type: none"> <li>Implement improvements to notifications and organize community workshops and training on how to subscribe to and use notifications</li> </ul>
	Schools, Childcare Centers, & Homes	<ul style="list-style-type: none"> <li>Begin working with health departments on developing outreach materials for schools, childcare centers, homes</li> </ul>	<ul style="list-style-type: none"> <li>Begin outreach efforts with school districts to provide air quality related programs to schools</li> <li>Begin outreach efforts with school districts to provide information on programs, such as, Safe Routes to School or ridesharing</li> <li>Begin school, childcare center, home outreach efforts with community-based organizations to share information or provide outreach to schools for asthma related programs</li> </ul>	

Figure 5h-2: Implementation Timeline for Air Monitoring, Enforcement, Outreach, and Other CERP Actions

		2019	2020	2021
Other	Refineries	<ul style="list-style-type: none"> <li>Provide a summary of flare emissions data from the Rule 1118 quarterly reports</li> <li><u>Provide an inventory of refinery boilers and heaters, size, fuel type, emissions, whether they have CEMS, the type of controls, and whether they are being considered for BARCT</u></li> </ul>	<ul style="list-style-type: none"> <li>Begin providing CSC members updates on efforts for refinery flaring event notifications</li> <li><u>Begin compiling the number of Rule 1118 flare events at each refinery from 2008 to 2018</u></li> <li><u>Explore Smart LDAR technologies and programs, begin evaluating mobile, fenceline and other air monitoring results, and begin working with refineries to develop a fugitive emission reduction plan to achieve emission reductions of 25% by 2024 and 50% by 2030</u></li> </ul>	
	Ports	<ul style="list-style-type: none"> <li>Begin to provide updates on demonstration projects for ships and harbor craft</li> </ul>	<ul style="list-style-type: none"> <li>Implement Ports' Clean Truck Program<sup>i</sup> <u>as described in the CAAP</u></li> <li>Implement Ports' clean cargo handling equipment purchasing program as described in the CAAP<sup>ii</sup></li> <li><del>Implement Ports' Clean Truck Program as described in the CAAP<sup>iii</sup></del></li> </ul>	
	Schools, Childcare Centers, & Homes	<ul style="list-style-type: none"> <li><del>Biannual</del> <u>Semiannual</u> updates on CARB's rule development for truck regulations, and seek community input on progress</li> <li>Extend replacement filters at schools with existing high efficiency replacement systems throughout implementation of this plan</li> </ul>	<ul style="list-style-type: none"> <li>Begin installation of air filtration systems in schools<sup>iii</sup></li> <li>Consult with CSC members and appropriate stakeholders to identify any new or existing air filtration programs in homes</li> </ul>	
	Railyards		<ul style="list-style-type: none"> <li><u>Begin working with local utilities and state agencies to encourage the installation of infrastructure needed to fuel/charge zero-emissions vehicles and equipment</u></li> </ul>	
<p><sup>i</sup> Implementation of Ports' Clean Truck Program as described in the San Pedro Bay Ports' Clean Air Action Plan is dependent on feasibility assessment study for trucks and truck rate study and the promulgation of near -zero emissions manufacturing standards by CARB</p> <p><sup>ii</sup> Based on feasibility assessment study for cargo handling equipment</p> <p><sup>iii</sup> Number of schools to receive air filtration systems is dependent on amount of funding and funding sources.</p>				

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# CHAPTER 5I:

## CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ANALYSIS SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 5i: California Environmental Quality Act (CEQA) Analysis

The California Environmental Quality Act (CEQA) requires agencies to consider the environmental impacts of a proposed project. CEQA describes and imposes specific legal requirements that agencies must follow when evaluating and making decisions about whether a project will cause a significant environmental impact. The information below describes what South Coast AQMD staff has done and determined with respect to this project – the Community Emissions Reduction Plan (CERP). The information below does contain some legal terms because that is the language contained in the law and use of that language is part of how an agency demonstrates compliance with that law. As noted below, South Coast AQMD staff has looked at all aspects of the CERP and has determined that the CERP is exempt from the requirements of CEQA. The paragraphs below identify the exemptions that apply to the CERP. If the South Coast AQMD Board agrees with staff and determines that the CERP is exempt from CEQA, and approves the CERP, a Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside, and San Bernardino counties.

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the proposed project, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the overall purpose of this project is to improve the environment and health of residents of this selected community and all of the action items within the CERP to support this goal. Thus, the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The CERP contains elements that qualify as feasibility and planning studies, because information needs to be collected to make an informed decision about further action (e.g., rule development). However, the portions of the CERP that qualify as feasibility and planning studies do not prescribe or commit to specific rule requirements, nor have future actions been approved or adopted in advance, because they require an open public process. The regulated community, stakeholders, interested parties, and the public are invited to participate in the rule development process in a public forum. Thus, the portion of the CERP that contains action items which qualify as feasibility or planning studies is statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies.

Additionally, some of the action items in the CERP would require minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, and these action items are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 –



New Construction or Conversion of Small Structures. A portion of the action items within the CERP involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. Another component of the action items in the CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, a portion of the action items within the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies.

South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, as mentioned above, the proposed project is exempt from CEQA. ~~A Notice of Exemption will be prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.~~

---

# CHAPTER 6:

## AIR MONITORING SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Chapter 6: Air Monitoring Summary

Air monitoring will be conducted in the Wilmington, Carson, West Long Beach community as part of the AB 617 program. Air monitoring can provide valuable information about sources of air pollution, types of pollutants, and air quality impacts in the community. Information that is collected from air monitoring can be used to implement and track air quality actions prioritized by the community that reduce local resident's exposure to harmful air pollutants.

### Chapter 6 Highlights

- Will provide new information about air pollution at the community level
- Monitoring will be done in areas of concern identified by the selected communities
- Areas selected for monitoring reflect the air quality priorities in AB 617 communities
- Many types of monitoring equipment will be used, from advanced techniques to low-cost sensors

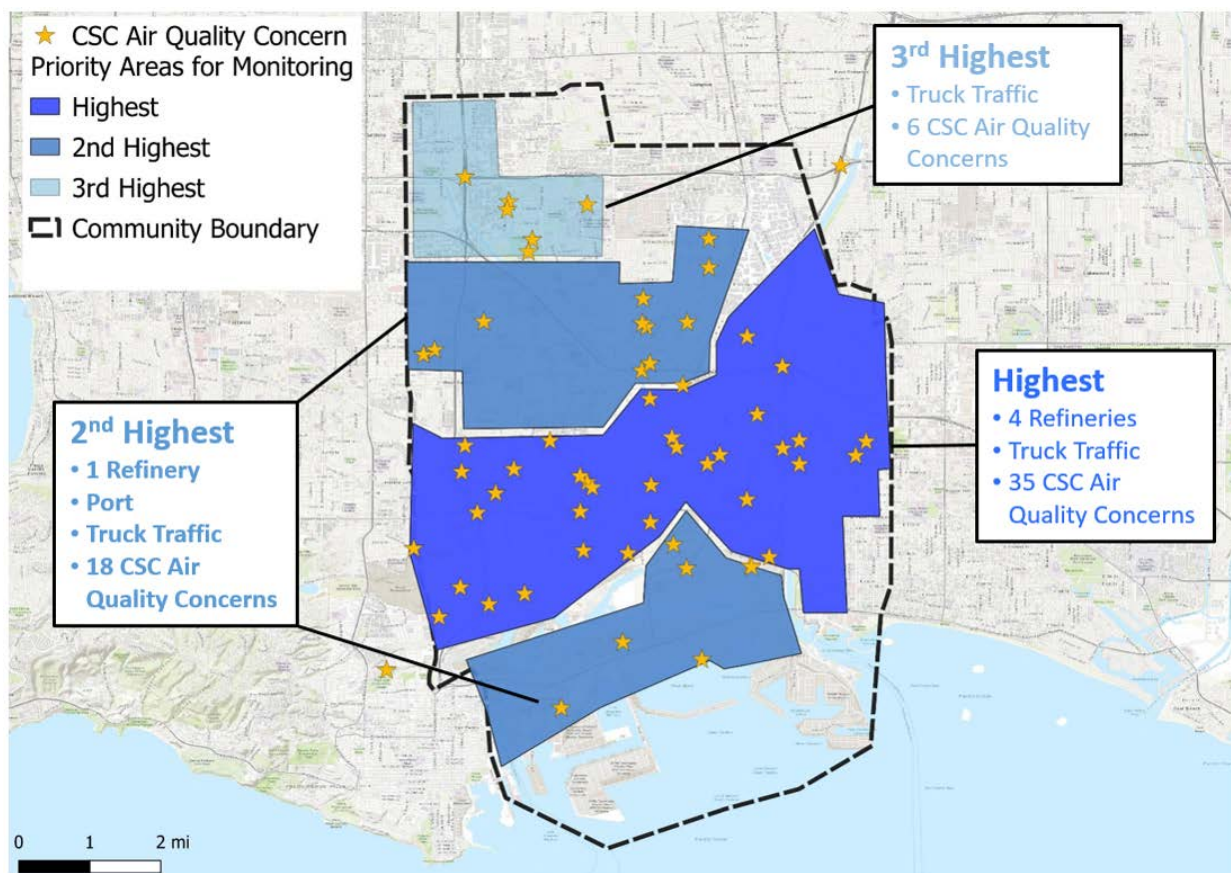
The Community Air Monitoring Plan (CAMP) for the Wilmington, Carson, West Long Beach community<sup>1</sup> was developed through close collaboration between the CSC and South Coast AQMD staff. The plan outlines the objectives and strategies for monitoring air pollution in the community based on the air quality priorities identified by the CSC. A detailed description for these priorities is available in the CAMP Appendix B.<sup>2</sup>

The Wilmington, Carson, West Long Beach community covers a large geographical area that is affected by a variety of air pollution sources. Consequently, multiple air monitoring methods are necessary to address the community's air quality priorities. These methods include mobile, fixed and low-cost sensor air monitoring. Mobile air monitoring can be conducted using real- or near-real-time instruments to allow for wide scale community air pollution mapping, and provide more detailed information about air pollution levels at specific locations at specific times (i.e., higher spatial and temporal resolution). Fixed air monitoring can be strategically placed at specific locations near one or more air pollution sources of interest to fully characterize emissions in the community and assess residents' exposure to air pollution. Mobile and fixed air monitoring can be further enhanced with information from air quality sensors that provide real- or near-real time air pollution information. A benefit of these sensors compared to other monitoring technologies is that they can be installed in more places in the community thereby providing more detailed real-time air quality information. However, low-cost sensors are not as accurate as traditional monitoring techniques, and only measure a limited number of pollutants.

Figure 6-1 identifies areas where air monitoring will occur within the Wilmington, Carson, West Long Beach community. The areas are prioritized based on input from the CSC about community

air quality concerns and sources of air pollution. The monitoring areas and priorities can change based on the information gathered during monitoring, input from the community, and/or newly available data from different organizations. A discussion regarding air pollutants measurements and technologies that will be deployed in these areas is provided in the CAMP. The air monitoring strategies outlined in the CAMP may be updated based on future community input, air monitoring results, and other information gathered through implementation of AB 617. Updates to air monitoring strategies will be presented to the CSC for input.

Figure 6-1: Proposed monitoring areas prioritized based on the relative density of air quality concerns in the Wilmington, Carson, West Long Beach community



## References

---

1. South Coast AQMD, AB 617 Community Air Monitoring Plan (CAMP) for the Wilmington, Carson, West Long Beach Community, [https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb\\_camp.pdf](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb_camp.pdf), Accessed July 16, 2019.
2. South Coast AQMD, AB 617 Appendices for the Community Air Monitoring Plan (CAMP) for the Wilmington, Carson, West Long Beach Community, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b\\_wcwlb\\_v4.pdf](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b_wcwlb_v4.pdf), Accessed July 16, 2019.

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 2

The Wilmington, Carson, West Long Beach (WCWLB) community Outreach Summary includes an overview of the public engagement efforts and the Community Steering Committee (CSC) process that has been integral in the development of the CERP. This Appendix contains additional information on committee documents, meeting materials, and additional community engagement. Many of these materials are posted on this community's webpage: <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm>

### Charter

A Charter was developed by South Coast AQMD staff with CSC member input to describe committee objectives, roles and responsibilities, meeting frequency, meeting dates, times, and locations, etc. The Charter is available here:

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/charter-english.pdf?sfvrsn=8>

### Sign In Sheets

At every CSC meeting, members of the CSC and public were requested to sign in. Copies of the sign-in sheets are attached.

### Agendas

All meeting agendas are posted on the community webpage. Copies of the agendas are also attached.

### Meeting Dates, Times, Locations, and Meeting Materials

Recent and upcoming activities regarding the WCWLB community, including interactive maps, the discussion draft of the CERP and CAMP, all meeting invitations, presentations, materials and summary notes can be found on community webpage.

Specific links for meeting flyers, presentations, and meeting summaries are listed below:

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
<b>Public Workshop</b>	October 2, 2018	100	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/wilmington/charter-english.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/wilmington/charter-english.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/wilmington/charter-english.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/wilmington/charter-english.pdf?sfvrsn=8</a>	N/A

Appendix 2-1

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
<b>Community Kick-Off Meeting</b>			<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/wilmington-kickoff.pdf?sfvrsn=8">134/wilmington-kickoff.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-wilmington.pdf?sfvrsn=9">134/presentation-wilmington.pdf?sfvrsn=9</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-wilmington-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-wilmington-span.pdf?sfvrsn=8</a>	
<b>1</b>	October 30, 2018 Wilmington Senior Center, Wilmington	100	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-oct30-2018.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-oct30-2018.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-presentation.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-presentation.pdf?sfvrsn=9</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-presentation-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-presentation-span.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilm-summary-oct30-2018.pdf?sfvrsn=17">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilm-summary-oct30-2018.pdf?sfvrsn=17</a>
<b>2</b>	January 10, 2019 Carson Community Center, Carson	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-carson-west-long-beach-steering-committee-meeting-flyer-jan-10-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/wilmington-carson-west-long-beach-steering-committee-meeting-flyer-jan-10-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/csc-wilcarwlb-meeting2_presentation_finaldraft_forprintin_g.pdf?sfvrsn=13">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/csc-wilcarwlb-meeting2_presentation_finaldraft_forprintin_g.pdf?sfvrsn=13</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/csc-wilcarwlb-meeting2_presentation_finaldraft_forprintin_g_spanish.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/csc-wilcarwlb-meeting2_presentation_finaldraft_forprintin_g_spanish.pdf?sfvrsn=14</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-summary-jan10-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-summary-jan10-2019.pdf?sfvrsn=8</a>
<b>3</b>	February 12, 2018 Wilmington Senior Center, Wilmington	100	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-feb12-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-feb12-2019.pdf?sfvrsn=9</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-feb12-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-feb12-2019.pdf?sfvrsn=8</a>

## Appendix 2-2

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
				<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019-spanish.pdf?sfvrsn=9">source/ab-617-ab-134/steering-committees/wilmington/presentation-feb12-2019-spanish.pdf?sfvrsn=9</a>	
4	March 14, 2019 Wilmington Senior Center, Wilmington	80	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-march14-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-march14-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-march14-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-march14-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentación-span-march14-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentación-span-march14-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-march14-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-march14-2019.pdf?sfvrsn=8</a>
5	April 11, 2019 Villages at Cabrillo, Long Beach	85	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/ab-617-wilmington-carson-wlb-flyer-04-11-19.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/ab-617-wilmington-carson-wlb-flyer-04-11-19.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-april11-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-april11-2019.pdf?sfvrsn=9</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-april11-2019-span.pdf?sfvrsn=10">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-april11-2019-span.pdf?sfvrsn=10</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-summary-april11-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-summary-april11-2019.pdf?sfvrsn=8</a>
6	May 9, 2019 Carson Event Center, Carson	80	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-may-9-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-may-9-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-eng-may9-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-eng-may9-2019.pdf?sfvrsn=14</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/mtg-presentation-span-may9-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/mtg-presentation-span-may9-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-may9-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-may9-2019.pdf?sfvrsn=8</a>

Appendix 2-3

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
7	June 13, 2019 Wilmington Senior Center, Wilmington	80	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-june13-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-june13-2019.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-june13-2019-english.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-june13-2019-english.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-june13-2019-spanish.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-june13-2019-spanish.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-june13-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/summary-june13-2019.pdf?sfvrsn=8</a>
<b>CERP Public Workshop / CSC #8</b>	July 11, 2019 5:30 - 6:00 p.m. – Workshop 6:00 - 8:30 p.m. – CSC Meeting Wilmington Senior Center, Wilmington	<u>150</u>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/flyer-july-1-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/flyer-july-1-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-july11-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-july11-2019.pdf?sfvrsn=8</a>	tbd
9	August 2019 Carson Community Center, Carson <del>Location</del>	<del>tbd</del> <u>100</u>	<del>tbd</del> <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-aug7-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/meeting-flyer-aug7-2019.pdf?sfvrsn=14</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-aug7-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-aug7-2019.pdf?sfvrsn=14</a>	tbd
10	September 2019 Location	tbd	tbd	tbd	tbd

### Interpreters

The following California Certified Interpreters were contracted to provide services at the meetings.

- Gloria Carrallo
- Patricia Chavez
- Monica Desiderio
- Astrid Estrada
- Martha Falencik

- Alejandro Franco
- Carmen Garza
- Consuelo V. Gonzalez
- Cecilia Ibarra
- Vensa P. Loek (Khmer interpretation)
- Estela Moll
- Yolanda Ramirez
- Madeline Rios
- Joel Rojano (Tagalog interpretation)
- —
- 

### Additional Outreach

South Coast AQMD staff had more than 35 in-person or phone meetings with CSC members as well as members of the community. The list below provides some information about meetings that staff have had, as of the date of this document. Additional phone calls and conversations with CSC members and members of the committee also took place, but not all these conversations are documented here.

Date	Meeting
11/2/18	Call with Magali Sanchez-Hall
1/9/19	In-person meeting with Sylvia Betancourt
3/14/19	Call with City of Long Beach staff about their general plan update
4/12/19	In-person meeting with Whitney Amaya
4/25/19	Attended community meeting where Dulce Altamirano gave a presentation
5/17/19	In-person meeting with Tim DeMoss from Port of Los Angeles
5/21/19	In-person meeting with Sylvia Betancourt
4/19/19	Call with Fe Koons
5/30/19	Call with Maribel Alejandre
5/24/19	Call with Joseph Pinon
5/28/19	Call with Chris Chavez
5/30/19	Call with Jacob Broderick
4/?/19	Call with Salvador Lara

Appendix 2-5

4/?/19	Call with Saied Naaseh
4/?/19	Call with Linda Bassett
4/?/19	Call with Jill Johnston
4/?/19	Attended Best Start Wilmington community meeting
4/25/19	In-person meeting with Dulce Altamirano
5/14/19	Call with Rick Pulido
5/23/19	Call with Dan Hoffman
5/23/19	Call with Cameron Smith
6/6/19	Call with Morgan Caswell, Port of Long Beach
6/25/19	In-person meeting with Dulce Altamirano
<u>8/6/19</u>	<u>Call with Christopher Chavez, Jesse Marquez, and Julia May</u>
<u>8/13/19</u>	<u>In-person meeting with Alicia Rivera and Julia May</u>



# Assembly Bill (AB) 617 Community Air Initiatives

## Wilmington, Carson and West Long Beach Community Steering Committee Meeting #1

Tuesday, October 30, 2018 — 6:00 p.m. - 8:00 p.m.  
Wilmington Senior Center  
1371 Eubank Ave, Wilmington, CA 90744

Time		
5:45 pm	Doors open	Reception table
6:00 pm	Welcome and Introductions	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members
6:10 pm	Air Quality Planning	Philip Fine (Deputy Executive Officer, Planning, Rule Development & Area Sources)
	Air Pollution Data	Sang-Mi Lee (Program Supervisor, Planning, Rule Development & Area Sources)
	Community Definition	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)
6:40 pm	Air Quality Concerns Mapping Activity	SCAQMD Staff, Committee Members, and Members of the Public
7:10 pm	Clean Air Incentives	Danielle Robinson (Air Resources Engineer, California Air Resources Board)  Mei Wang (Program Supervisor, Science and Technology Advancement)
	Steering Committee Charter and Meeting Logistics	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)  Committee Members
7:35 pm	Public Comment	
	Next Steps	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)
8:00 pm	Adjourn	





# Assembly Bill (AB) 617 Community Air Initiatives

## Wilmington, Carson and West Long Beach Community Steering Committee Meeting #2

Thursday, January 10, 2019 — 9:30 a.m. – 11:30 a.m.  
Carson Community Center  
801 E. Carson St.

Time	Item	Presenter	Why is this important?
9:15 am	Doors open  Poster session – Monitoring Technologies		
9:30 am	Meeting Overview and Expectations – 5 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Set expectations for this meeting</li> </ul>
9:35 am	Air Quality Concerns and Community Boundaries, continued committee discussion and input – 60 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )  Committee Members	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Help us understand this community's air quality concerns, and start thinking of which concerns can be addressed through AB 617</li> <li>• Provide input on community boundaries, which will help guide technical analysis and prioritization of air quality concerns in this community</li> </ul>
10:35 am	STRETCH BREAK - 5 min		
10:40 am	Community Air Monitoring and committee Q&A – 30 min	Andrea Polidori ( <i>Atmospheric Measurements Manager, Science &amp; Technology Advancement</i> )  Committee Members	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Provide ideas for what monitoring we may want to do through AB 617</li> </ul>
11:10 am	CSC Charter and Next Steps – 5 min	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>• Ask committee to sign charter</li> <li>• Preview of next steps, next meeting topics</li> </ul>
11:15 am	Public Comment – 15 min		
11:30 am	Adjourn		



## Ley (AB) 617

# Iniciativas Comunitarias para el Aire

Wilmington, Carson y West Long Beach

## Reunión #2 del Comité Directivo Comunitario (CDC)

Jueves, 10 de enero, 2019 — 9:30 a.m. – 11:30 a.m.

Centro Comunitario de Carson

801 E. Carson St.

Hora	Asunto	Presentador	¿Por qué es importante?
9:15 am	Puertas abiertas  Sesión de posters - Tecnologías de monitoreo		
9:30 am	Resumen de la reunión y expectativas - 5 min	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Establecer expectativas para esta reunión.</li> </ul>
9:35 am	Preocupaciones de la calidad del aire y límites de la comunidad, y seguir la discusión del comité para que nos den sugerencias - 60 min	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)  Miembros del comité	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Ayúdenos a comprender las inquietudes sobre la calidad del aire de esta comunidad y empiece a pensar qué preocupaciones se pueden abordarse a través de AB 617</li> <li>• Proporcionar información sobre los límites de la comunidad, lo que ayudará a guiar el análisis técnico y la priorización de los problemas de calidad del aire en esta comunidad</li> </ul>
10:35 am	DESCANDO PARA ESTIRARSE - 5 min		
10:40 am	Control del aire comunitario y preguntas y respuestas del comité - 30 min.	Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)  Miembros del comité	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Brindar ideas sobre qué tipo de monitoreo queremos hacer a través de AB 617</li> </ul>
11:10 am	Carta del Acta y Próximos Pasos - 5 min	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)	<ul style="list-style-type: none"> <li>• Pedirle al comité que firme la carta</li> <li>• Vista previa de los próximos pasos, temas para la próxima reunión</li> </ul>
11:15 am	Comentario público - 15 min		
11:30 am	Fin de la reunión		



# Assembly Bill (AB) 617 Community Air Initiatives

Wilmington, Carson, West Long Beach  
Community Steering Committee Meeting #3

Tuesday, February 12, 2019 — 6:00 p.m. – 8:15 p.m.  
Wilmington Senior Center  
1371 Eubank Ave., Wilmington, CA 90744

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	Welcoming Remarks, and Facilitator Introduction – 5 min	Facilitator	
	Enforcement Overview – 5 min	Terrence Mann (Assistant Deputy Executive Officer, Compliance and Enforcement)	<ul style="list-style-type: none"> <li>• To help explain examples of enforcement strategies used by SCAQMD</li> <li>• Requested by CSC members</li> </ul>
	Q & A on Enforcement – 5 min	<b>Committee Members</b>	
6:15 pm	<ul style="list-style-type: none"> <li>• Strategies to Address Air Pollution Concerns – 10 min</li> <li>• Air Pollution Emissions Data – 10 min</li> </ul>	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development & Area Sources)	<ul style="list-style-type: none"> <li>• To help with developing emission reduction plans in this community</li> <li>• To understand where emissions come from in this community</li> </ul>
	Q & A on Strategies and Emissions Data – 5 min	<b>Committee Members</b>	
6:40 pm	<ul style="list-style-type: none"> <li>• Community Boundary and Prioritization of Air Quality Concerns – 10 min</li> <li>• Prioritization Activity – 30 min</li> <li>• Activity Report Back – 20 min</li> <li>• Break – 5 min</li> <li>• Activity Consensus Results Discussion – 15 min</li> </ul>	SCAQMD staff; Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Helps SCAQMD prioritize the top air quality concerns from the community</li> <li>• Helps guide the SCAQMD's focus for the community emission reduction plans</li> </ul>
8:00 pm	Important Reminders and Next Steps – 5 min	Facilitator	
8:05 pm	Public Comment – 10 min	Members of the public	
8:15 pm	Adjourn		



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach  
Reunión del Comité Directivo de la Comunidad #3

Martes, 12 de Febrero del 2019 — 6:00 p.m. – 8:15 p.m.  
Wilmington Senior Center  
1371 Eubank Ave., Wilmington, CA 90744

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	Bienvenida e introducción del facilitador – 5 min	Facilitador	
	Perspectiva general de la ejecución de la ley – 5 min	Terrence Mann (Subdirector Ejecutivo Adjunto, Cumplimiento y Cumplimiento)	<ul style="list-style-type: none"> <li>• Para ayudar a explicar ejemplos de estrategias de ejecución utilizadas por SCAQMD</li> <li>• Solicitado por miembros de CSC</li> </ul>
	Preguntas y respuestas sobre la ejecución – 5 min	Miembros del comité	
6:15 pm	<ul style="list-style-type: none"> <li>• Estrategias para abordar los problemas de contaminación del aire – 10 min</li> <li>• Datos de emisiones de contaminación del aire. – 10 min</li> </ul>	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)	<ul style="list-style-type: none"> <li>• Ayudar con el desarrollo de planes de reducción de emisiones en esta comunidad.</li> <li>• Comprender de dónde provienen las emisiones en esta comunidad.</li> </ul>
	Preguntas y respuestas sobre estrategias y datos de emisiones. – 5 min	Miembros del comité	
6:40 pm	<ul style="list-style-type: none"> <li>• Límites comunitarios y priorización de los problemas de calidad del aire – 10 min</li> <li>• Actividad de priorización – 30 min</li> <li>• Reporte de la actividad – 20 min</li> <li>• Descanso – 5 min</li> <li>• Discusión de resultados de consenso de actividad – 15 min</li> </ul>	Personal de SCAQMD; Facilitador  Miembros del comité	<ul style="list-style-type: none"> <li>• Ayuda a SCAQMD a priorizar los principales problemas de calidad del aire de la comunidad</li> <li>• Ayuda a guiar el enfoque de SCAQMD para los planes de reducción de emisiones de la comunidad</li> </ul>
8:00 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador	
8:05 pm	Comentario público – 10 min	Miembros del público	
8:15 pm	Adjourn		



# Assembly Bill (AB) 617 Community Air Initiatives

Wilmington, Carson, West Long Beach  
Community Steering Committee Meeting #4

Thursday, March 14, 2019 — 6:00 p.m. – 8:15 p.m.  
Wilmington Senior Center  
1371 Eubank Ave., Wilmington, CA 90744

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #3 recap</li> <li>Current progress: What we've done so far – 5 min</li> </ul>	Facilitator	<ul style="list-style-type: none"> <li>To understand where we are at with developing the community plans</li> </ul>
6:05 pm	Current Rule Development Efforts: <ul style="list-style-type: none"> <li>Indirect Source Rules (ISR) or Facility Based Mobile Source Measures – 5 min</li> <li>Best Available Retrofit Control Technology (BARCT) – 5 min</li> </ul>	Ian MacMillan (Manager, Planning, Rule Development, & Area Sources)  Michael Krause (Manager, Planning, Rule Development, & Area Sources)	<ul style="list-style-type: none"> <li>To provide information on specific rule development efforts related to this community</li> <li>Requested by CSC members</li> </ul>
	Q & A on Current Rule Development Efforts – 5 min	<b>Committee Members</b>	
6:25 pm	Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Update on the Community Air Monitoring Plan  (Part I): Refineries, Ports, and Truck Traffic – 30 min	Jo Kay Ghosh (Health Effects Officer, Planning, Rule Development, & Area Sources)  Andrea Polidori (Atmospheric Measurements Manager, Science & Technology Advancement)	<ul style="list-style-type: none"> <li>Provides information on the actions that can be included in the CERP to address air quality concerns from this community through AB 617</li> <li>Provides information on the air monitoring plan for the air quality concerns from this community through AB 617</li> </ul>
6:55 pm	CSC Table Discussion Activity <ul style="list-style-type: none"> <li>Introduction (Facilitator) – 5 min</li> <li>Break Out Session and Table Discussion – 50 min</li> <li>Report Back and Q&amp;A – 10 min</li> </ul>	SCAQMD staff; Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To get community input on the proposed measures (actions) to help guide SCAQMD staff in writing the CERP and Community Air Monitoring Plan</li> </ul>
8:00 pm	Important Reminders and Next Steps – 5 min	Facilitator	
8:05 pm	Public Comment – 10 min	Members of the public	
8:15 pm	Adjourn		



# Ley 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach

### Reunión del Comité Directivo de la Comunidad #4

Jueves, 14 de Marzo, 2019 — 6:00 p.m. – 8:15 p.m.

Wilmington Senior Center

1371 Eubank Ave., Wilmington, CA 90744

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>• Bienvenida y resumen de la reunión #3</li> <li>• Progreso actual: lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador	<ul style="list-style-type: none"> <li>• Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:05 pm	Esfuerzos actuales de desarrollo de reglas: <ul style="list-style-type: none"> <li>• Reglas de fuentes indirectas (ISR) o medidas de fuentes móviles basadas en instalaciones – 5 min</li> <li>• La mejor tecnología de control de adaptación disponible (BARCT) – 5 min</li> </ul>	Ian MacMillan (Gerente, Planificación, Desarrollo de Reglas y Fuentes de Área)  Michael Krause (Gerente, Planificación, Desarrollo de Reglas y Fuentes de Área)	<ul style="list-style-type: none"> <li>• Proporcionar información sobre esfuerzos específicos de desarrollo de reglas relacionados con esta comunidad.</li> <li>• Solicitado por miembros de CSC</li> </ul>
	Preguntas y respuestas sobre los esfuerzos actuales de desarrollo de reglas – 5 min	<b>Miembros del comité</b>	
6:25 pm	Ideas iniciales para acciones en el Plan de Reducción de emisiones de la Comunidad (CERP) y actualización sobre el Plan de Monitoreo de Aire de la Comunidad  (Parte I): Refinerías, puertos y tráfico de camiones – 30 min	Jo Kay Ghosh (Oficial de efectos a la salud, planificación, desarrollo de reglas y fuentes de área)  Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)	<ul style="list-style-type: none"> <li>• Proporcionar información sobre las medidas (acciones) propuestas para los problemas de calidad del aire de esta comunidad a través de AB 617</li> <li>• Proporcionar información sobre el plan de monitoreo de aire para los problemas de calidad del aire de esta comunidad a través de AB 617</li> </ul>
6:55 pm	Actividad de del comité en mesas <ul style="list-style-type: none"> <li>• Introducción (Facilitador) – 5 min</li> <li>• Sesión abierta y discusión en la mesa – 50 min</li> <li>• Resumen – 10 min</li> </ul>	Personal de SCAQMD; Facilitador  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Obtener información de la comunidad sobre las medidas (acciones) propuestas para ayudar a guiar al personal de SCAQMD a redactar el CERP</li> </ul>
8:00 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador	
8:05 pm	Comentario publico – 10 min	Miembros del público	
8:15 pm	Fin		



# Assembly Bill (AB) 617 Community Air Initiatives

Wilmington, Carson, West Long Beach  
Community Steering Committee Meeting #5

Thursday, April 11, 2019 — 6:00 p.m. – 8:30 p.m.  
Century Villages at Cabrillo Social Hall  
2001 River Avenue, Long Beach, CA 90810

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• CSC Business: Charter, Roster, &amp; Meeting Format</li> <li>• Meeting #4 Recap &amp; Current Progress: What we've done so far – 15 min</li> </ul>	Facilitator; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Discuss finalizing the CSC charter</li> <li>• To understand where we are in developing the community plans</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>• Current Efforts in this Community – 15 min</li> </ul>	<b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:30 pm	<ul style="list-style-type: none"> <li>• Draft Community Air Monitoring Plan (CAMP) – 5 min</li> </ul> <p>Q &amp; A on this agenda item* – 30 min</p>	Andrea Polidori ( <i>Atmospheric Measurements Manager, SCAQMD</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Discuss the Draft Community Air Monitoring Plan</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>• Information on Sources in this Community and Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Community Air Monitoring Plan (CAMP) (Part II): – 10 min</li> </ul> <p>Q &amp; A on this agenda item &amp; CSC Open Discussion on CAMP and CERP* – 55 min</p>	Jo Kay Ghosh ( <i>Health Effects Officer, SCAQMD</i> )  Andrea Polidori ( <i>Atmospheric Measurements Manager, SCAQMD</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Provides information on the sources contributing to air pollution in this community</li> <li>• Provides information on ideas for these air quality concerns: Oil Drilling/Production; Railyards (On-site Emissions); Schools, etc.</li> <li>• To gather community input on the proposed measures (actions) and to help guide SCAQMD staff in writing the CERP</li> </ul>
8:10 pm	Next Meeting Topics and Important Reminders – 10 min	Facilitator; <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.





# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach  
Reunión del Comité Directivo de la Comunidad #5

Jueves, 11 de Abril, 2019 — 6:00 p.m. – 8:30 p.m.  
Century Villages at Cabrillo Social Hall  
2001 River Avenue, Long Beach, CA 90810

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Temas del CDC: Formato de Acta de Constitución , Lista de Participantes y Reuniones</li> <li>Reunión # 4, Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 15 min</li> </ul>	Facilitador; <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Discutir la finalización de la carta de CSC</li> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios.</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>Esfuerzos actuales en la comunidad – 15 min</li> </ul>	<b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:30 pm	<ul style="list-style-type: none"> <li>Proyecto de Plan de Monitoreo de Aire de la Comunidad (CAMP) – 5 min</li> <li>Preguntas y respuestas sobre este tema del programa * – 30 min</li> </ul>	Andrea Polidori ( <i>Atmospheric Measurements Manager, SCAQMD</i> )  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Hablar sobre el borrador del plan de monitoreo de aire comunitario</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>Información sobre las fuentes en esta comunidad e ideas iniciales para acciones en el Plan de reducción de emisiones de la comunidad (CERP) y en el Plan de monitoreo del aire de la comunidad (CAMP) (Parte II): – 10 min</li> </ul> <p>Preguntas y respuestas sobre este tema de la agenda y discusión abierta de CSC sobre CAMP y CERP* – 55 min</p>	Jo Kay Ghosh ( <i>Oficial de efectos a la salud, SCAQMD</i> )  Andrea Polidori ( <i>Gerente de Mediciones Atmosféricas, SCAQMD</i> )  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Proporciona información sobre las fuentes que contribuyen a la contaminación del aire en esta comunidad.</li> <li>Proporciona información sobre ideas para estas preocupaciones sobre la calidad del aire: perforación / producción de petróleo; Patios ferroviarios (Emisiones en el sitio); Escuelas, etc.</li> <li>Recopilar opiniones de la comunidad sobre las medidas propuestas (acciones) y ayudar a guiar al personal de SCAQMD a redactar el CERP.</li> </ul>
8:10 pm	Recordatorios importantes y próximos pasos – 10 min	Facilitador <b>Miembros del Comité</b>	
8:20 pm	Comentario publico – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.





# Assembly Bill (AB) 617 Community Air Initiatives

## Wilmington, Carson, West Long Beach Community Steering Committee Meeting #6

Thursday, May 9, 2019 — 6:00 p.m. – 8:30 p.m.  
Carson Event Center  
801 E. Carson St., Carson, CA 90745

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Icebreaker</li> <li>Meeting #5 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Facilitator; Dulce Altamirano (Wilmington Resident)	<ul style="list-style-type: none"> <li>To understand where we are in developing the community plans</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Committee Presenters <ul style="list-style-type: none"> <li>Communities for a Better Environment (CBE) – 10 min</li> <li>Coalition for Clean Air (CCA) – 5 min</li> <li>Port of Los Angeles (Port of LA) – 5 min</li> </ul> </li> <li>Q &amp; A on this agenda item – 10 min</li> </ul>	Alicia Rivera (Community Organizer, CBE) Chris Chavez (Deputy Policy Director, CCA) Tim DeMoss (Air Quality Supervisor, Port of LA)  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:40 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Actions - Regulations – 5 min</li> <li>Q &amp; A on this agenda item – 25 min</li> <li>Automated License Plate Reader (ALPR) – 5 min</li> <li>Q &amp; A on this agenda item – 5 min</li> </ul>	CARB Staff	<ul style="list-style-type: none"> <li>To understand current regulatory efforts by CARB to address the air quality concerns in this community</li> <li>To provide information on the automated license plate reader</li> </ul>
7:20 pm	<ul style="list-style-type: none"> <li>Committee Discussion on the Community Emission Reduction Plan (CERP) – 35 min</li> </ul>	Jo Kay Ghosh (Health Effects Officer, South Coast AQMD)  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To discuss the proposed measures (actions) and begin discussion on goals</li> </ul>
7:55 pm	<ul style="list-style-type: none"> <li>Q &amp; A on Community Air Monitoring Plan (CAMP) – 20 min</li> </ul>	Andrea Polidori (Advanced Monitoring Technologies Manager, South Coast AQMD)  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>Discuss the Draft CAMP and gather community input</li> </ul>
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Facilitator; <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach  
Reunión del Comité Directivo de la Comunidad #5

Jueves, 9 de Mayo, 2019 — 6:00 p.m. – 8:30 p.m.  
Carson Event Center  
801 E. Carson St., Carson, CA 90745

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Rompe Hielo</li> <li>Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Facilitador; Dulce Altamirano (Residente de Wilmington)	<ul style="list-style-type: none"> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios.</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité               <ul style="list-style-type: none"> <li>Comunidades para un mejor medio ambiente (CBE) – 10 min</li> <li>Coalición para el aire limpio (CCA) – 5 min</li> <li>Puerto de Los Angeles (Port of LA) – 5 min</li> </ul> </li> <li>Preguntas y respuestas sobre este tema del programa – 10 min</li> </ul>	Alicia Rivera (Organizador de la comunidad, CBE)  Chris Chavez (Director Adjunto de Políticas, CCA)  Tim DeMoss (Supervisor de Calidad del Aire, Port of LA)  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:40 pm	<ul style="list-style-type: none"> <li>Acciones y regulaciones de CARB – 5 min</li> <li>Preguntas y respuestas sobre este tema del programa – 25 min</li> <li>Lector automático de matrículas – 5 min</li> <li>Preguntas y respuestas sobre este tema del programa – 5 min</li> </ul>	Miembros de CARB	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de CARB para abordar los problemas de calidad del aire</li> <li>Proporciona información sobre tecnología de CARB</li> </ul>
7:20 pm	<ul style="list-style-type: none"> <li>Committee Discussion on the Community Emission Reduction Plan (CERP) – 35 min</li> </ul>	Jo Kay Ghosh (Oficial de efectos a la salud, South Coast AQMD)  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Recopilar opiniones de la comunidad sobre las medidas propuestas (acciones) y ayudar a guiar al personal de SCAQMD a redactar el CERP.</li> </ul>
7:55 pm	<ul style="list-style-type: none"> <li>Preguntas y respuestas sobre el Proyecto de Plan de Monitoreo de Aire de la Comunidad (CAMP) – 20 min</li> </ul>	Andrea Polidori (Gerente de Mediciones Atmosféricas, South Coast AQMD)  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Recopilar opiniones de la comunidad sobre el CERP</li> </ul>
8:15 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador; <b>Miembros del Comité</b>	
8:20 pm	Comentario publico – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

## Wilmington, Carson, West Long Beach Community Steering Committee Meeting #7

Thursday, June 13, 2019 — 6:00 p.m. – 8:30 p.m.  
Wilmington Senior Center  
1371 Eubank Ave, Wilmington, CA 90744

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Meeting #6 Recap &amp; Current Progress: What we've done so far – 5 min</li> </ul>	Facilitator	<ul style="list-style-type: none"> <li>To understand where we are in developing the community plans</li> </ul>
6:05 pm	<ul style="list-style-type: none"> <li>Committee Presenters               <ul style="list-style-type: none"> <li>Port of Los Angeles (Port of LA) – 5 min</li> <li>Long Beach Alliance for Children with Asthma (LBACA) – 5 min</li> <li>Coalition for a Safe Environment (CFASE) – 5 min</li> </ul> </li> <li>Q &amp; A on this agenda item – 10 min</li> </ul>	Tim DeMoss <i>(Air Quality Supervisor, Port of LA)</i>  Sylvia Betancourt <i>(Project Manager, LBACA)</i>  Jesse Marquez <i>(Executive Director, CFASE)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
6:30 pm	<ul style="list-style-type: none"> <li>Source Attribution: TAG Meeting Overview – 5 min</li> </ul>	Jill Johnston <i>(Assistant Professor, USC)</i>  Uduak-Joe Ntuk <i>(Director of Petroleum Administration, City of Los Angeles)</i>	<ul style="list-style-type: none"> <li>To provide a brief overview of the last TAG meeting</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>Discuss the Discussion Draft Community Emissions Reduction Plan (CERP) and Measuring Success: Goals* – 10 min</li> <li>Committee Discussion – 40 min</li> </ul>	Jo Kay Ghosh <i>(Director of Community Air Programs, South Coast AQMD)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To discuss elements of the Discussion Draft CERP and establish goals for measuring success</li> </ul>
7:25 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Enforcement Actions – 15 min</li> <li>Committee Discussion – 35 min</li> </ul>	CARB Staff  South Coast AQMD Staff; CARB Staff; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>To understand current enforcement actions that will be taken by CARB to address the air quality concerns in this community</li> </ul>
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Facilitator  <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach

Reunión del Comité Directivo de la Comunidad #7

Jueves, 13 de Junio, 2019 — 6:00 p.m. – 8:30 p.m.

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador	<ul style="list-style-type: none"> <li>Comprender dónde estamos en el desarrollo de los planes comunitarios.</li> </ul>
6:05 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité               <ul style="list-style-type: none"> <li>Puerto de Los Ángeles (Port of LA) – 5 min</li> <li>Alianza de Long Beach para Niños con Asma (LBACA) – 5 min</li> <li>Coalición por un Ambiente Seguro (CFASE) – 5 min</li> </ul> </li> <li>Preguntas y respuestas sobre este tema del programa – 10 min</li> </ul>	Tim DeMoss <i>(Supervisor de Calidad del Aire, Port of LA)</i>  Sylvia Betancourt <i>(Gerente de proyecto, LBACA)</i>  Jesse Marquez <i>(Director ejecutivo, CFASE)</i>  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
6:35 pm	<ul style="list-style-type: none"> <li>Atribución de la fuente: Descripción general de la reunión del TAG – 5 min</li> </ul>	Jill Johnston <i>(Profesor asistente, USC)</i>  Uduak-Joe Ntuk <i>(Director de Administración de Petróleo, Ciudad de Los Angeles)</i>	<ul style="list-style-type: none"> <li>Proporcionar un breve resumen de la última reunión del TAG</li> </ul>
6:40 pm	<ul style="list-style-type: none"> <li>Revisar el borrador para discusión del plan de reducción de emisiones de la comunidad (CERP) y medición del éxito: objetivos* – 10 min</li> <li>Discusión con la comité – 40 min</li> </ul>	Jo Kay Ghosh <i>(Directora de Programas Comunitarios del Aire, South Coast AQMD)</i>  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Revisar los elementos del borrador del CERP y establecer metas para medir el éxito</li> </ul>
7:25 pm	<ul style="list-style-type: none"> <li>Junta de Recursos del Aire de California (CARB) Acciones de ejecución – 15 min</li> <li>Discusión con la comité – 35 min</li> </ul>	Miembros de CARB  Miembros de South Coast AQMD; Miembros de CARB ; <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad</li> </ul>
8:15 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador  <b>Miembros del Comité</b>	
8:20 pm	Comentario publico – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

Wilmington, Carson, West Long Beach  
Community Workshop and Community Steering Committee Meeting #8

Thursday, July 11, 2019  
Workshop 5:30 – 6:00 p.m.  
CSC Meeting 6:00 – 8:30 p.m.  
Wilmington Senior Center  
1371 Eubank Ave.  
Wilmington, CA 90744

Time	Item	Presenter	Why is this important?
5:30 pm	Doors open – Community Workshop – 30 min	Members of the Public	To provide information about: <ul style="list-style-type: none"> <li>• Incentives</li> <li>• Community Emissions Reduction Plan (CERP)</li> <li>• Community Air Monitoring Plan (CAMP)</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Meeting #7 Recap &amp; Current Progress: What we've done so far</li> </ul> – 5 min	Facilitator	To understand where we are in developing the community plans
6:05 pm	<ul style="list-style-type: none"> <li>• California Air Resources Board (CARB) Enforcement Actions</li> </ul> – 15 min  Committee Discussion <ul style="list-style-type: none"> <li>• – 25 min</li> </ul>	CARB Staff  South Coast AQMD Staff; CARB Staff; <b>Committee Members</b>	To understand enforcement actions that will be taken by CARB to address the air quality concerns in this community
6:45 pm	<ul style="list-style-type: none"> <li>• Committee Presenter <ul style="list-style-type: none"> <li>• Marathon Petroleum Company</li> </ul> </li> </ul> – 5 min  Q & A on this agenda item – 10 min	Susan Stark <i>(Regulatory Affairs Manager, Marathon Petroleum Company)</i>  <b>Committee Members</b>	To understand current efforts in the community by CSC members to address air quality concerns
7:00 pm	<ul style="list-style-type: none"> <li>• Discussion Draft Community Emissions Reduction Plan (CERP) Update - Comments Received*</li> </ul> – 10 min  Committee Discussion – 40 min	Jo Kay Ghosh <i>(Director of Community Air Programs, South Coast AQMD)</i>  <b>Committee Members</b>	To provide an update on revisions of the Discussion Draft CERP based on committee feedback and comments received
7:50 pm	<ul style="list-style-type: none"> <li>• Community Air Monitoring Update*</li> </ul> – 10 min  Committee Discussion – 15 min	Payam Pakbin <i>(Advanced Monitoring Technologies Program Supervisor, South Coast AQMD)</i>  <b>Committee Members</b>	To provide an update on the current monitoring efforts being deployed as described in the CAMP
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Facilitator <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach

Taller Comunitario y Reunión del Comité Directivo de la Comunidad #8

Jueves, 11 de Julio, 2019

Taller 5:30 – 6:00 p.m.

Reunion 6:00 – 8:30 p.m.

Wilmington Senior Center

1371 Eubank Ave.

Wilmington, CA 90744

Hora	Asunto	Presentador	¿Porqué es importante?
5:30 pm	Puertas Abiertas – Taller Comunitaria – 30 min	Miembros del Publico	Para proveer información sobre: <ul style="list-style-type: none"> <li>• Incentivos</li> <li>• Plan de Reducción de Emisiones de la Comunidad (CERP)</li> <li>• Plan de Monitoreo de Aire Comunitario (CAMP)</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>• Comentarios de bienvenida</li> <li>• Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> </ul> – 5 min	Facilitador	Comprender dónde estamos en el desarrollo de los planes comunitarios.
6:05 pm	<ul style="list-style-type: none"> <li>• Junta de Recursos del Aire de California (CARB) Acciones de ejecución</li> </ul> – 15 min  Discusión con la comité – 25 min	Miembros de CARB  Miembros de South Coast AQMD; Miembros de CARB ; <b>Miembros del Comité</b>	Comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad
6:45 pm	Presentacion del Comité <ul style="list-style-type: none"> <li>• Marathon Petroleum Company</li> </ul> – 5 min  Preguntas y respuestas sobre este tema – 10 min	Susan Stark <i>(Directora de asuntos regulatorios, Marathon Petroleum Company)</i>  <b>Miembros del Comité</b>	Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire
7:00 pm	<ul style="list-style-type: none"> <li>• Revisar el borrador del plan de reducción de emisiones de la comunidad (CERP) comentarios recibidos*</li> </ul> – 10 min  Discusión con el comité – 40 min	Jo Kay Ghosh <i>(Directora de Programas Comunitarios del Aire, South Coast AQMD)</i>  <b>Miembros del Comité</b>	Revisar el borrador del CERP basado en los comentarios del comité que se han recibido
7:50 pm	<ul style="list-style-type: none"> <li>• Actualización de monitoreo de aire de la comunidad *</li> </ul> – 10 min  Discusión con la comité – 15 min	Payam Pakbin <i>(Supervisor del Programa de Tecnologías de Monitoreo Avanzado, South Coast AQMD)</i>  <b>Miembros del Comité</b>	Discutir los esfuerzos de monitoreo actuales se están desplegando como se describe en el CAMP
8:15 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador <b>Miembros del Comité</b>	
8:20 pm	Comentario publico – 10 min	Miembros del Publico	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

## Wilmington, Carson, West Long Beach Community Steering Committee Meeting #9

Wednesday, August 7, 2019  
CSC Meeting 10:00 a.m. – 12:30 p.m.  
Carson Event Center  
801 E. Carson St., Carson, CA 90745

Time	Item	Presenter	Why is this important?
9:30 am	• Doors Open		
10:00 am	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Announcements</li> <li>• Meeting #8 Recap &amp; Current Progress: What we've done so far – 15 min</li> </ul>	Facilitator	To understand where we are in developing the community plans
10:15 am	<ul style="list-style-type: none"> <li>• Stationary Source Committee Meeting Recap and Governing Board Process Overview – 15 min</li> <li>Committee Discussion – 10 min</li> </ul>	Jo Kay Ghosh ( <i>Director of Community Air Programs, South Coast AQMD</i> )  <b>Committee Members</b>	To provide a recap of the Stationary Source Committee Meeting and provide information on the Governing Board process
10:40 am	<ul style="list-style-type: none"> <li>• Draft Community Emissions Reduction Plan (CERP) and Emissions Reduction Targets* – 20 min</li> <li>Committee Discussion – 45 min</li> </ul>	Jo Kay Ghosh ( <i>Director of Community Air Programs, South Coast AQMD</i> )  <b>Committee Members</b>	To provide an update on revisions of the Draft CERP based on comments received  To provide information on the emissions reduction targets
11:45 am	<ul style="list-style-type: none"> <li>• Community Air Monitoring Highlights* – 10 min</li> <li>Committee Discussion – 15 min</li> </ul>	Payam Pakbin ( <i>Advanced Monitoring Technologies Program Supervisor, South Coast AQMD</i> )  <b>Committee Members</b>	To provide an update on the current monitoring efforts being deployed in the community
12:10 pm	Next Meeting Topics and Important Reminders – 5 min	Facilitator  <b>Committee Members</b>	
12:15 pm	Public Comment – 15 min	Members of the Public	
12:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.





# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

Wilmington, Carson, West Long Beach  
Reunión del Comité Directivo de la Comunidad #9

Miércoles, 7 de Agosto, 2019  
Reunion 10:00 a.m – 12:30 p.m.  
Carson Event Center  
801 E. Carson St., Carson, CA 90745

Hora	Asunto	Presentador	¿Porqué es importante?
9:30 am	Puertas Abiertas		
10:00 am	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Anuncios</li> <li>Reunion #8 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> </ul> <p>– 15 min</p>	Facilitador	Comprender dónde estamos en el desarrollo de los planes comunitarios
10:15 am	<ul style="list-style-type: none"> <li>Resumen de la reunión del Comité de fuente estacionaria y resumen del proceso de la Junta de Gobierno</li> </ul> <p>– 15 min</p> <p>Discusión con la comité</p> <p>– 10 min</p>	<p>Jo Kay Ghosh (Directora de Programas Comunitarios del Aire, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	Discutir el resumen de la reunión del Comité de fuente estacionaria y proporcionar información sobre el proceso de la Junta de Gobierno
10:40 am	<ul style="list-style-type: none"> <li>Revisar el borrador del plan de reducción de emisiones de la comunidad (CERP) y objetivos de reducción de emisiones</li> </ul> <p>– 20 min</p> <p>Discusión con el comité</p> <p>– 45 min</p>	<p>Jo Kay Ghosh (Directora de Programas Comunitarios del Aire, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	<p>Revisar el borrador del CERP basado en los comentario del comité que se han recibido</p> <p>Para proporcionar información sobre los objetivos de reducción de emisiones</p>
11:45 am	<ul style="list-style-type: none"> <li>Puntos que sobresalen del monitoreo del aire de la comunidad*</li> </ul> <p>– 10 min</p> <p>Discusión con el comité</p> <p>– 15 min</p>	<p>Payam Pakbin (Supervisor del Programa de Tecnologías de Monitoreo Avanzado, South Coast AQMD)</p> <p><b>Miembros del Comité</b></p>	Discutir los esfuerzos de monitoreo actuales que se están desplegando en la comunidad
12:10 pm	Recordatorios importantes y próximos pasos	Facilitador	
12:15 pm	Comentario publico	Miembros del Publico	
12:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión





AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Flavio Mercado	Community Resident	C.F.A. SE.			
2	McKina Alexander	Assoc. Planner	City of Carson			
3	Abrahamowitz Mark Abrahamowitz	Board Consultant	SCAQMD (Dir. 400)			
4	Maria Garcia	CHW	LBACA			
5	Irene Mineses	CHW	LBACA			
6	B. THREATT	E.D.	USUETS			
7	Nina Salvador	PHA	CLB Health			
8	Nancy Risch					
9	RICHARD HAVENICH	Coastal SP NC				
10	Bryan Hardwick	Environmental Advisor				



AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Janita Navarajo	Retired	Resident			
2	Lucia Moreno	Ret - Linan	Resident			
3	Roy Hernandez	CHS Manager	SA Recycling			
4	Vilma Gonzalez					
5	Adu Carson	Principal Engineer	Davenport Engineer			
6	Sylvia Betancourt	Mgr	LBACA			
7	LOWEN BERGEN	PRINCIPAL	WILMINGTON PARK ELEMENTARY			
8	Natalie Irwin	Env. Manager	Valero			
9	ANA Mejia	Secretary	Resident			
10	<del>Heather</del> RAZCOB	<del>CHW</del>	Resident			

+Henderson



AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mark Friedman	Teacher	Torrance Keymerg Athan			
2	Thomas Jelenic		POLSA			
3	Dax					
4	Janet Whittick	cceeb				
5	Kelya Lucas					
6	DAN HOFFMAN		Wilm Chamber			
7	Stephanie Cadena	As Planner	Gateway Cities COG			
8	Selene Zazveta		LBACA			
9	Eric Marshall					
10	Fx P. Koons	President	Philippine Action Group for the Environment			





AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección / Ciudad / Código Postal
1	Jessica Figueras	Community Health Worker	LBACIA			
2	Phaletraugh Clark		LBACIA			
3	Robert Silence					
4	Jayde H		SBCC			
5	OTIS Claitt		PHL			
6	Margali Sanchez	Community Health Resident	EMERGE			
7	JAMES TALAVERA	<del>ENR</del> ENV. ENGR. ASSOCIATE	LADWP			
8	Tim DeMoss	AR Quality Spec	POCA			
9	Ken Davis	Golfing Assoc.	Marathon			
10	Edith Moreno					



AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Haydee Hart	Parent Center Carson HS	CARSON HS			
2	Phuong Nguyen	Teacher Librarian	Carson HS			
3	Juan Conde	community organizer	SBCC			
4	Duce					
5	Angie Barbosa	Community Health Worker	Public Health			
6	Tammy Pham	community youth member	CBE			
7	Georgia Bernal	community youth member	CBE			
8	William A. Koons	Retired Engineer	CA4T			
9	CAIR					
10	Patricia Rodriguez	Resident				



AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Julia Scoville	Resident				
2	Ashley Hernandez	Resident	CBE			
3	River Alicia	organizer	CBE			
4	Sandra Fances		SBCC			
5	Uduak-Joe Ntuke	Petroleum Administrator	City of LA			
6	Karl Lamy	District Mgr	Montrose Env.			
7	Steve Salas	Resident	Home owner			
8	Janet Scully	Program. mgr	LAC DPH			
9	Ant 6					
10	Roberto Moya					





AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Jasmine Hall		MSC			
2						
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Irene Buzga	Policy Advisor	EDF			
2	Breanna Amuziligo	N/A	MPH			
3						
4						
5						
6						
7						
8						
9						
10						





AB 617: Community Meeting -- Wilmington, Carson, and West Long Beach -- October 2, 2018 -- 6:00 to 8:00PM

Wilmington Senior Center

1371 Eubank Ave, Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Maribel Alejandre	EPP Program Manager	SBCC			
2	Pedro Lizardo	Student +				
3	ZITA VILLALBA		LBACA			
4	Sosana Pacheco					
5						
6						
7						
8						
9						
10						



Craig T. Sakamoto  
Regulatory Strategist



[www.pbenergy.com](http://www.pbenergy.com)



YASAMAN AZAR HOUSHANG  
ENVIRONMENTAL SPECIALIST I



CONGRESSWOMAN NANETTE DIAZ BARRAGÁN  
44TH DISTRICT, CALIFORNIA

GABRIELA CID  
FIELD REPRESENTATIVE  
HABLO ESPAÑOL



Gabriela Medina  
District Director

Joe Buscaino  
Councilmember, 15th District  
City of Los Angeles



[LA15th.com](http://LA15th.com)



MIKE A. GIPSON  
ASSEMBLYMEMBER, 64TH DISTRICT

VICTOR IBARRA  
FIELD REPRESENTATIVE

CAPITOL OFFICE

DISTRICT OFFICE



Edith Moreno

Sr. Environmental Policy Advisor  
Energy and Environmental Affairs



Department of Public Works  
LA Sanitation



THEODORE HIGGINS  
Chief Environmental Compliance Inspector I  
FOG Group

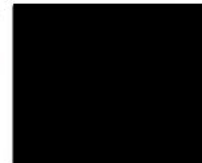
Industrial Waste Management Division



WILSON TRUONG  
Account Manager



IMPRENTA  
COMMUNICATIONS GROUP  
PUBLIC AFFAIRS | CAMPAIGNS | ETHNIC MARKETING



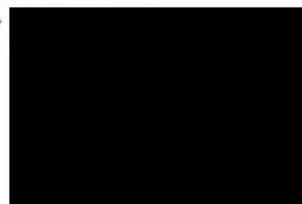
Coalition For A Safe Environment

Jesse N. Marquez  
Executive Director



CALIFORNIA  
ENVIRONMENTAL  
ASSOCIATES

PETER OKUROWSKI  
DIRECTOR





**Kristy Monji**  
Environmental Specialist



**David Salardino, Manager**  
State Strategy Section  
Community Planning Branch  
Office of Community Air Protection

## BLUE REVOLUTION



**Carrie Scoville**  
Delegate, Assembly District 70  
San Pedro



**TEJA GANAPA**  
ENVIRONMENTAL ENGINEER



**V&M**  
AEROSPACE

**DENNIS COLBERT** Plant Manager



**Susan R. Stark**  
Regulatory Affairs Senior  
Manager

Andeavor

**RAMBOLL**

ENVIRONMENT  
& HEALTH

**Glenn C. England**  
Principal Consultant



**Ada W. Carson** | Principal Engineer

**Morgan Caswell, MPH**  
Environmental Specialist Associate  
Environmental Planning



Port of  
**LONG BEACH**  
The Green Port

City of Long Beach Harbor Department

**Olga G. Chavez**  
Senior Government &  
Public Affairs Specialist

Andeavor

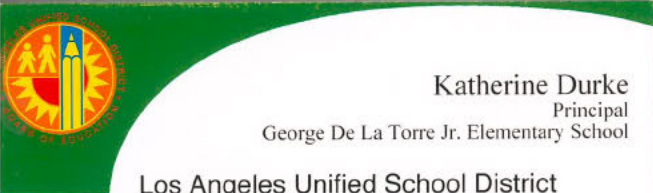


**Cody Rosenfield**  
Policy Associate

**COALITION FOR  
CLEAN AIR**



**Kenneth G. Fisher**  
CED Lead Teacher  
Long Beach Unified School District

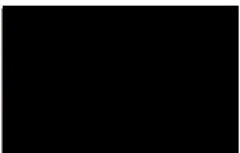


**Katherine Durke**  
Principal  
George De La Torre Jr. Elementary School

**Los Angeles Unified School District**  
Educational Service Center - South



**FRANK R. CAPONI, P.E.**  
Division Engineer  
Head, Air Quality Engineering



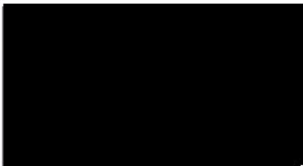
[www.breathela.org](http://www.breathela.org)

**NELLY NIEBLAS, MPA**  
Manager of Public Policy & Advocacy

*Protecting the Breath of Life Since 1903*



**Terry Allen**  
State Strategy Section  
Community Planning Branch  
Office of Community Air Protection







# AB 617: Wilmington Community Steering Committee Meeting

Tuesday, October 30, 2018

Wilmington Senior Citizen Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Tom Gross	mgr Police	SCE			
2	Alicia K. Kern	organizer	CBE			
3	Fran Antonio		CARB			
4	Richard Havenick	coastal SP NC				
5	Kim Wike	Wilmington Neighborhood Council				
6	Danielle Robinson	ARB ARE	CARB			
7	Roy Hernandez	Manager EHS				
8	Susan Stoh		Marathon			
9						
10						



# AB 617: Wilmington Community Steering Committee Meeting

Tuesday, October 30, 2018

Wilmington Senior Citizen Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	THEODORE HIGGINS	CHIEF ENV. COMPLIANCE MGR	CITY OF LOS			
2	Cory Shumaker	Development Specialist	California Hydrogen Business Council			
3	Ray Chung	Executive Director	Smart BURLA			
4	JOHN MARQUEZ	EXECUTIVE DIRECTOR	COMMITTEE FOR A SAFE ENVIRONMENT			
5	Manu Lopez	Community Volunteer	LBMA			
6	Clark Ajurri	Civil Engineer	LA County Public Works			
7	Stephanie Cadenas	Asst Planner	Gateway Cities COG.			
8	Magali S.	resident				
9						
10						



# AB 617: Wilmington Community Steering Committee Meeting

Tuesday, October 30, 2018

Wilmington Senior Citizen Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Karina Simpson	Environmental Engineer	City of LA			
2	ROBERT SILENCE	ENGINEER	SELF			
3	Antonio Morales	Air Resources Engineer	CARB			
4	Jeremy Smith	Asst Air Pollution Specialist	CARB			
5	Jessica Figueroa	Community Health Worker	LBACA			
6	Maria Garcia	Community Health Worker	LBACA			
7	HARVEY EDER	Ex Dir/Edr. PSR PUBLIC SCRAP PAPER COLLECTION & MONITORING NOT TAKEN FOR SCRAP STATION CUR	1223 WILSHIRE BLVD SANTA MONICA CA 90403			
8	Mary McDonald	physician	INTINSILK			
9	Fe P. Kongs	President	Phil. Action Group for the Environment			
10						





# AB 617: Wilmington Community Steering Committee Meeting

Tuesday, October 30, 2018

Wilmington Senior Citizen Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1						
2	Rick Pulido					
3	Barb DeHodder		LACDPH			
4						
5						
6						
7						
8						
9						
10						



NAME

ORGANIZATION

EMAIL

Krag Peterson

Cooper Environmental

Joan Greenwood

Wrigley Area Neighborhood  
Alliance (WANA)

Nancy Risch

WANA





**Fernando Navarrete**  
Field Deputy

Joe Buscaino  
Councilmember, 15th District  
City of Los Angeles

LA15th.com



California Environmental Protection Agency  
Air Resources Board  
MSCD / On-Road Controls Branch

**Doug Thompson**  
Manager, Incentives Oversight Section



Department of Public Works  
LA Sanitation



**Karina Simpson**  
Associate Environmental Engineer

Industrial Waste Management Division  
Engineering Services Group



California Council  
for Environmental  
& Economic Balance



Devin P. Richards, MSc.  
Policy Analyst

**Morgan Caswell, MPH**  
Environmental Specialist Associate  
Environmental Planning



Port of  
**LONG BEACH**  
The Green Port

City of Long Beach Harbor Department



**Rogelio (Roy) Hernandez**  
Port Region EHS Manager/FSO

GOT SCRAP?®  
www.sarecycling.com



LOS ANGELES MARITIME INSTITUTE

**CAPTAIN BRUCE D. HEYMAN**  
EXECUTIVE DIRECTOR

*Educational character-building and sail training for youth aboard  
Tall Ships Exy Johnson, Irving Johnson and Swift of Ipswich*

CALIFORNIA  
Small Business **Alliance**  
Dedicated to Environmental Progress and Economic Growth

**W.R. "Bill" La Marr**  
Executive Director

**Joan V. Greenwood**

Wrigley Area Neighborhood Alliance  
(WANA)



 **CALIFORNIA**  
AIR RESOURCES BOARD

**Terry Allen**  
State Strategy Section  
Community Planning Branch  
Office of Community Air Protection

**RAMBOLL**

**ENVIRONMENT  
& HEALTH**

**M. Scott Weaver**

Principal

Ramboll

www.ramboll.com



**JAMES RONALD C. TALAVERA**  
ENVIROMENTAL ENGINEERING ASSOCIATE

OFFICE OF SUSTAINABILITY



**BizFed**

**Los Angeles  
County  
Business  
Federation**

Strengthening the Voice of Business

bizfed.org  
twitter.com/@bizfed  
facebook.com/bizfed

**Sarah Wiltfong**  
Policy Manager

*Public Solar Power Coalition*

HARVEY EDER/DIRECTOR

THE SUN MAKES THE WIND BLOW, WATER FLOW & PLANTS GROW IT'S  
THE ENGINE OF OUR ECOSYSTEM/THE WAY THE WORLD WORKS

**Yorke**  
ENGINEERING, LLC  
www.YorkeEngr.com

*Air Quality &  
Environmental Services*

**Anne McQueen, PhD, PE**  
Principal Engineer

**Peter Herzog**  
Assistant Director of Legislative Affairs

**NAIOP**  
COMMERCIAL REAL ESTATE  
DEVELOPMENT ASSOCIATION  
SOCAL CHAPTER



**MIKE A. GIPSON**  
ASSEMBLYMEMBER, 64TH DISTRICT

**VICTOR IBARRA**  
FIELD REPRESENTATIVE



**Department of Public Works  
LA Sanitation**




**THEODORE HIGGINS**  
Chief Environmental Compliance Inspector I  
FOG Group


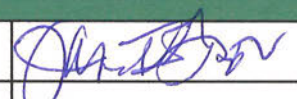
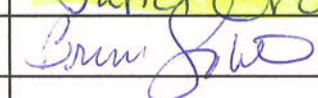


# AB 617: Community Meeting -- Willimington/Carson/West Long Beach

January 10, 2019 -- 9:30 AM to 11:30 AM

## Carson Community Center

Affiliation	Primary	Alternate	Signature
<b>Community Organization</b>			
Century Villages at Cabrillo	Jeffery Tate		
Coalition for a Safe Environment	Jesse Marquez	Rick Pulido	
Communities for a Better Environment	Alicia Rivera	Ashley Hernandez	
Long Beach Alliance for Children with Asthma	Sylvia Betancourt	Maria Reyes	
Los Cerritos Neighborhood Association	Gary Hamrick	Joe Hower	
Philippine Action Group for the Environment	Fe P. Koons	Jesse F. Koons	Fe P. Koons
SBCC Thrive LA	Maribel Alejandre	Leticia Herrera	
<b>Active Resident (city indicated below)</b>			
Carson	Daniel Toledo		
Carson	Sergio Franco		
Carson	Joseph Luis Piñon	Yasaman Houshang	
Carson	William Koons		
West Long Beach	Christopher Chavez	Pastor Anthony Quezada	
West Long Beach	Jacob Broderick	Emelio Ramirez	
West Long Beach	Ron Batiste		Ron Batiste
West Long Beach	Whitney Amaya		
Wilmington	Salvador Lara		
Wilmington	Flavio Mercado		

Wilmington	Dulce Altamirano		
Wilmington	Magali Sanchez-Hall	Silva Arredondo	
Agency or school, university or hospital			
City of Carson	Saied Naaseh	McKina Alexander	
City of Los Angeles	Uduak-Joe Ntuk	Erica Blyther	
Gulf Avenue Elementary School	Linda Bassett	Esperanza Romero	
LA County Public Health	Matt Baca	Janet Scully	
Long Beach Public Health	Nelson Kerr	Judeth Luong	
Long Beach Unified School District	Brooke Murray		
Port of Los Angeles	Tim DeMoss	Amber Coluso	
University of Southern California	Jill Johnston		
Business, business organization, or labor organization			
Carson Chamber of Commerce	John Wogan		Janet Grothe
Long Beach Area Chamber of Commerce	Jeremy Harris	Brissa Sotelo	
Wilmington Chamber of Commerce	Dan Hoffman	Cecilia Moreno	
Refinery - Marathon	Ken Dami	Olga Chavez	
Rail - Union Pacific	Lupe Valdez		
Trucking - Yusen Logistics	Cameron D. Smith	Nikki Nguyen	
Labor - USW Local 675	Pat Patterson		

g. Janet d. Grothe @ Pdo.com



**AB 617: Community Meeting -- Wilmington/Carson/West Long Beach**  
**January 10, 2019 -- 9:30 AM to 11:30 AM**

**Carson Community Center**

Affiliation	Primary	Alternate	Signature
<b>Community Organization</b>			
Century Villages at Cabrillo	Jeffery Tate		
Coalition for a Safe Environment	Jesse Marquez	Rick Pulido	<i>Jesse Marquez</i>
Communities for a Better Environment	Alicia Rivera	Ashley Hernandez	<i>Ashley Hernandez</i>
Long Beach Alliance for Children with Asthma	Sylvia Betancourt	Maria Reyes	<i>Sylvia Betancourt</i>
Los Cerritos Neighborhood Association	Gary Hamrick	Joe Hower	<i>Joe Hower</i>
Philippine Action Group for the Environment	Fe P. Koons		
SBCC Thrive LA	Maribel Alejandre	Leticia Herrera	<i>Maribel Alejandre</i>
<b>Active Resident (city indicated below)</b>			
Carson	Daniel Toledo		
Carson	Sergio Franco		<i>Sergio Franco</i>
Carson	Joseph Luis Piñon	Yasaman Houshang	
Carson	William Koons		<i>William Koons</i>
West Long Beach	Christopher Chavez	Pastor Anthony Quezada	<i>Christopher Chavez</i>
West Long Beach	Jacob Broderick	Emelio Ramirez	<i>Jacob Broderick</i>
West Long Beach	Ron Batiste		<i>Ron Batiste</i>
West Long Beach	Whitney Amaya		<i>Whitney Amaya</i>
Wilmington	Salvador Lara		<i>Salvador Lara</i>
Wilmington	Flavio Mercado		


# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach

January 10, 2019 -- 9:30 AM to 11:30 AM

## Carson Community Center

Affiliation	Primary	Alternate	Signature
Community Organization			
Century Villages at Cabrillo	Jeffery Tate		
Coalition for a Safe Environment	Jesse Marquez	Rick Pulido	
Communities for a Better Environment	Alicia Rivera	Ashley Hernandez	
Long Beach Alliance for Children with Asthma	Sylvia Betancourt	Maria Reyes	
Los Cerritos Neighborhood Association	Gary Hamrick	Joe Hower	
Philippine Action Group for the Environment	Fe P. Koons		
SBCC Thrive LA	Maribel Alejandre	Leticia Herrera	
Active Resident (city indicated below)			
Carson	Daniel Toledo		
Carson	Sergio Franco		
Carson	Joseph Luis Piñon	Yasaman Houshang	
Carson	William Koons		
West Long Beach	Christopher Chavez	Pastor Anthony Quezada	
West Long Beach	Jacob Broderick	Emelio Ramirez	
West Long Beach	Ron Batiste		
West Long Beach	Whitney Amaya		
Wilmington	Salvador Lara		
Wilmington	Flavio Mercado		



Wilmington	Dulce Altamirano		
Wilmington	Magali Sanchez-Hall	Silva Arredondo	
Agency or school, university or hospital			
City of Carson	Saied Naaseh	McKina Alexander	
City of Los Angeles	Uduak-Joe Ntuk	Erica Blyther	
Gulf Avenue Elementary School	Linda Bassett	Esperanza Romero	
LA County Public Health	Matt Baca	Janet Scully	
Long Beach Public Health	Nelson Kerr	Judeth Luong	
Long Beach Unified School District	Brooke Murray		
Port of Los Angeles	Tim DeMoss	Amber Coluso	
University of Southern California	Jill Johnston		
Business, business organization, or labor organization			
Carson Chamber of Commerce	John Wogan		
Long Beach Area Chamber of Commerce	Jeremy Harris	Brissa Sotelo	
Wilmington Chamber of Commerce	Dan Hoffman	Cecilia Moreno	
Refinery - Marathon	Ken Dami	Olga Chavez	
Rail - Union Pacific	Lupe Valdez		
Trucking - Yusen Logistics	Cameron D. Smith	Nikki Nguyen	
Labor - USW Local 675	Pat Patterson		





AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	MARCO CUCUAS	Community Dev. PLANNER	CITY OF PARAMOUNT			
2	Marlene Sanchez		LBMA			
3	Cody Rosenfield	Policy Associate	Coalition for Clean air			
4	Jesse Koons					
5	Chlor Latt					
6	RYAN ATENIO	:	CARB			
7	Susan Yi		LBMA			
8	Evelyn Hernandez		Wilmington Comm. Dev.			
9	Greg Roche		clean Energy			
10	Patty Senecal		WSPA			

\* wants alternate form.



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Nina Salvador	Public Health Associate	CLB / LB Health Dept			
2	JPL					
3	Margia Bowman	Proj-mgr.	Environmental Audit			
4	Marie Gambon	PUBLIC Health nurse	SPA 8 Dept			
5	Ben Fisher		Resident			
6	Morgan Caswell		POLB			
7	Jeff Jaccard		SA			
8	John Lockwood					
9	Alberto Rivasdeng	Public Health Nurse	LACDPH			
10	Diana Nguyen	consultant	Alta Environmental			



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Trini Sim	Gen. ALK	INSE			
2	David Pettit	ALY	NRD			
3	Ricardo Pulido		CFASE			
4	Jessica Alvarenga		PM SA			
5	Wendell Braun	Policy Assistant	Rep. Barragan of Rca			
6	Nicole Nishimura	AQMD Bd. Consultant	Bd member Lyon			
7						
8						
9						
10						





AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Steve Both Duke	Consultant	Marathon			
2	Pamela Huer	CHW	Carca			
3	Heredia Rozlon	CHW	JBACA			
4	Jeremy Smith	STP Air Pollution Specialist	CARB, MLD			
5	Jackson Scott	Project Scientist	SLR International			
6	Martel Walker		Phillips Co			
7	Mike Bechtel		Phillips Co			
8	Amber Coluso	Env. Specialist	Port of LA			
9	Sylvia Arredondo		Resident			
10						



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Fernando Altemir					
2	Jon GRAF	ACTIVIST	LA SKYWATCH			
3	Maria Garcia	CHW	LBACA			
4	Edith Moreno	Sr Environmental Policy Advisor	socalgas			
5	Susan Stark	Mar, Regulatory Affairs	Marathon Petroleum			
6	Bryan Hardwick	Environmental Lead	CRC			
7	Abraham Godinez					
8						
9						
10						



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- January 10, 2019 -- 9:30 to 11:30 AM

Carson Community Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Tibbany Rau		marathon			
2	Fe P. Koons	President	Philippine Action Group for the Environment			
3						
4						
5						
6						
7						
8						
9						
10						



**Elio Torrealba**  
Director - Air Quality

GOT SCRAP?®  
[www.sarecycling.com](http://www.sarecycling.com)

**Trini Jimenez**  
Director  
State Government Affairs



**Terry Allen**  
State Strategy Section  
Community Planning Branch  
Office of Community Air Protection

**RAMBOLL**

**ENVIRONMENT  
& HEALTH**

**M. Scott Weaver**  
Principal



**JAMES RONALD C. TALAVERA**  
ENVIROMENTAL ENGINEERING ASSOCIATE

OFFICE OF SUSTAINABILITY



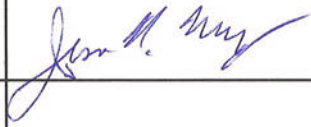


**Jackson Scott**  
Project Scientist



# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach





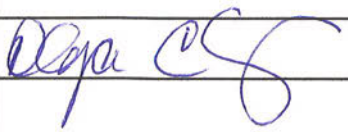
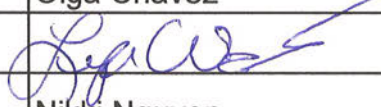
February 12, 2019 -- 6:00 PM to 8:15 PM

Wilmington Senior Center - 1371 Eubank Ave., Wilmington, CA 90744

Affiliation	Primary	Alternate	Signature	Signature
Community Organization				
1 Century Villages at Cabrillo	Jeffery Tate			
2 Coalition for a Safe Environment	Jesse Marquez	Rick Pulido		
3 Communities for a Better Environment	Alicia Rivera	Ashley Hernandez		
4 Long Beach Alliance for Children with Asthma	Sylvia Betancourt	Maria Reyes		
5 Los Cerritos Neighborhood Association	Gary Hamrick	Joe Hower		
3 Philippine Action Group for the Environment	Fe P. Koons			
1 SBCC Thrive LA	Maribel Alejandre	Leticia Herrera		



Active Resident (city indicated below)				
2 Carson	Daniel Toledo		Carl E	
3 Carson	Sergio Franco			
7 Carson	Joseph Luis Piñon	Yasaman Houshang	Joseph Piñon	Yasaman Houshang
5 Carson	William Koons		William Koons	
6 West Long Beach	Christopher Chavez	Pastor Anthony Quezada		Chris Chavez
1 West Long Beach	Jacob Broderick	Emelio Ramirez	Emelio Ramirez	
2 West Long Beach	Ron Batiste			
3 West Long Beach	Whitney Amaya		Whitney Amaya	
4 Wilmington	Salvador Lara	Victor Ibarra	Salvador Lara	Victor Ibarra
5 Wilmington	Flavio Mercado		Flavio Mercado	
6 Wilmington	Dulce Altamirano		Dulce Altamirano	
1 Wilmington	Magali Sanchez-Hall	Silva Arredondo	Magali Sanchez-Hall	Silva Arredondo
Agency or school, university or hospital				
2 City of Carson	Saied Naaseh	McKina Alexander	McKina Alexander	
3 City of Los Angeles	Uduak-Joe Ntuk	Erica Blyther	Erica Blyther	Erica Blyther
4 Gulf Avenue Elementary School	Linda Bassett	Esperanza Romero		
5 LA County Public Health	Matt Baca	Janet Scully		Kate Butler
6 Long Beach Public Health	Nelson Kerr	Judeth Luong		
1 Long Beach Unified School District	Brooke Murray			
2 Port of Los Angeles	Tim DeMoss	Amber Coluso	Tim DeMoss	Amber Coluso
3 University of Southern California	Jill Johnston		Jill Johnston	

Business, business organization, or labor organization				
1 Carson Chamber of Commerce	John Wogan			
5 Long Beach Area Chamber of Commerce	Jeremy Harris 	Brissa Sotelo 		
6 Wilmington Chamber of Commerce	Dan Hoffman	Cecilia Moreno		
1 Refinery - Marathon	Ken Dami	Olga Chavez		
2 Rail - Union Pacific	Lupe Valdez			
3 Trucking - Yusen Logistics	Cameron D. Smith	Nikki Nguyen		
4 Labor - USW Local 675	Pat Patterson			



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- February 12, 2019 -- 6:00 to 8:15 PM

Wilmington Senior Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Joshua UBC 9008-4065 Chavez	UNION Local 562 CARPENTER	Carpenter Union			
2	Adriana UBC 9008-4065 Sandoval	(1)	(1) Spase			
3	Barbara Parker	PN	LACDPH			
4	Ray Chang	Executive Director	SmartArk			
5	Kristy Monji	Environment	CRC			
6	Morgan Caswell	Env. Specialist	POLB			
7	Bryan Hardwick	Environmental CR	CRC			
8	Vicfor Silva	UNION CARPENTER	CARPENTER UNION			
9	Hardens Sanchez		Eastyard Comm.			
10	Damien Luzzo	Organizer	LiveFromTheFrontlines			

check/add Interested Parties List





AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- February 12, 2019 -- 6:00 to 8:15 PM

Wilmington Senior Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de firmar su nombre

PLEASE PRINT CLEARLY, AND

POR FAVOR ESCRIBA CLARAMENTE

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización
1	HARVEY BOER Ex Dir	EXECUTIVE DIRECTOR PSPC + SBO	PSPC PUBLIC SOLAR POWER COALITION
2	Elio Torrealba	Dir. Air Quality	SA Recycling
3	Ricardo Drellana	Union Carpenter	Carpenters Union
4	Maria G Garcia	CHW	LBACA
5	Nina Salvador	PHA II	CUB, environmental Health
6	Cynthia de la Torre	Planner	City of Long Beach
7	Ray Lawson	Union Business Rep	Source
8	Susan Stark		Marathon
9	Hailie Goldsmith	High School Student	Chadwick School
10	Bruce Heyman	EXECUTIVE DIRECTOR	LOS ANGELES MARITIME INSTITUTE



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- February 12, 2019 -- 6:00 to 8:15 PM

Wilmington Senior Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Roberto Luna	BRPHM	Los Angeles County Dept. Public Health			
2	Tesse Koons	Fe P. Koons Alt.	FPAC			
3	Clayton Heard	Field Rep	Congressman Lowenthal			
4	<del>William Koon</del>					
5	Karina Simpson	Environmental Engineer	City of LA Sanitation			
6	Katie Cox		UC Irvine			
7	Katie Butler					
8	Luis Centro					
9	Arturo Meres		LAHC			
10	ALEX SPATARU	CBO <del>ASTA</del>	THE ADEPT GROUP, INC			



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- February 12, 2019 -- 6:00 to 8:15 PM

Wilmington Senior Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Breanna Brown-Gray	Intern	CSUDH / DAAC			
2	Ryan Atencio		CARB			
3						
4						
5						
6						
7						
8						
9						
10						



MIKE A. GIPSON  
ASSEMBLYMEMBER, 64TH DISTRICT

VICTOR IBARRA  
FIELD REPRESENTATIVE

**Yorke**  
ENGINEERING, LLC  
www.YorkeEngr.com

Anne McQueen, PhD, PE  
Principal Engineer

Air Quality &  
Environmental Services



FRANK R. CAPONI, P.E.  
Division Engineer  
Head, Air Quality Engineering



CITY OF  
**LONG BEACH**

Cynthia de la Torre  
Planner IV  
Department of Development Services

Public Solar Power Coalition

HARVEY EDER/DIRECTOR

THE SUN MAKES THE WIND BLOW, WATER FLOW & PLANTS GROW IT'S  
THE ENGINE OF OUR ECOSYSTEM/THE WAY THE WORLD WORKS

Mark Sheldon  
dba Sheldon Research and Consulting

Energy / Environmental / Propulsion Engineering



BRUCE HEYMAN  
Executive Director



Destiny Johnson, ClimateCorps Fellow



Terry Allen  
State Strategy Section  
Community Planning Branch  
Office of Community Air Protection





AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Antonio De Aquino		EYCES			
2	Eduardo Jimenez		EYCEJ			
3	CRISTIAN Tapia		EYCEJ			
4	JAN ANDASAN	COMMUNITY organizer	EYCEJ			
5	Katie Graham		ELM			
6	Ada Carson	Engineer	Davenport Eng			
7	Dan Hoffman		WCC			
8						
9						
10						





AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Sylvia Amador	—	Resident			
2	Gra Reed	H.C.N.C	Harbor City Red			
3	Christopher Chavez	Deputy Policy Director	Coalition for Clean Air			
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Paula Murphy					
2	Vince Green	resident	resident			
3	Al Satter		Seaside Club			
4						
5						
6						
7						
8						
9						
10						



**AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM**

**Wilmington Community Center**

**1371 Eubank Ave., Wilmington, CA 90744**

*SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING*

*Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento*

**PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS**

**POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES**

	<b>Name Nombre</b>	<b>Title Título</b>	<b>Affiliation / Organization Afiliación / Organización</b>	<b>Email Correo Electrónico</b>	<b>Phone Teléfono</b>	<b>Address/City/Zip Dirección/Ciudad/Código Postal</b>
1	Marlene Sanchez					
2						
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Tom Crothco	Environment	CRC			
2	Sylvia Betancourt	Program Mgr	CBACA			
3	Janet Scully		LAC Dept of Pub Hlth			
4						
5						
6						
7						
8						
9						
10						





AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Diego Mayan	no	Eyce)			
2	Hannah Legaspi	Miss	EYCEJ			
3	Taylor Thomas	Research & Policy Analyst	EYCEJ			
4	Brianne Umbard		ELM			
5	Tom Norman		ELM			
6	Ashley Hernandez	Community resident	CBE			
7	HAROLD PICKENS		LDSC			
8	Maya Garcia	youth and action				
9	Clarence M. Alcala	Regulator	Cease Fire Regulator			
10						



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETE TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Erica Blythe	Env Aff Officer	LACity BPW PA			
2	Tim DeMoss	Area Deputy Supervisor	PORT OF LA			
3	PASTOR EDDIE JONES					
4	Alicia Rivera	Ms.	CBE			
5	Maria Reyes	LBACA	Voluntario			
6	Tiffany Dary	Comm. Org.	Volunteer/Organizer			
7	Whitney Amaya					
8	Kimberly Amaya					
9	Luz Gomez		CBE			
10	Steve Salas		Resident			



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	MICHAEL ELGARFI		EM9C ENGINEERING			
2	Cody Rosenfield		Coalition cleanair			
3	MARVIN REYES					
4	Hannah Getzhen	Journalism student	CSULB			
5	Wes Younger	Trinity	Trinity Consultants			
6	MIKE Williams	PureHearts				
7	Sheila Lightsey		ELM			
8	Nizgüi Gomez		CBE			
9	Desiree Quijano		EYCEJ			
10	Michelle McCullough	Student	EYCEU			



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Alyssa					
2	Marshall Waller					
3	MAURICE Weimer					
4	Karen Perez Rubio		EYCEJ			
5	Dominique Vitti		EY(E)			
6	JESSE N. MARQUEZ	EXECUTIVE DIRECTOR	COMMITTEE FOR A FREE EMBROIDERED			
7	claire evans		ELM			
8	Karina Vaca		East yard			
9	Nail Davenport		Davenport Engr			
10	Zully Juarez		USC Env. Health Center			





AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Janet Grothe	PA Mgr	Phillips			
2	Barbara Dellder	PHN	DPH			
3	Tara Huhn					
4	Kristin Zeise	Corporate Advisor	EnviroSuite			
5	Nadia Ramrez	Sales & Finance Manager	Clean Energy			
6	Laura Cortez		EYCEJ			
7	Jay Chen	self				
8	David Park	APS	CARB			
9	Don Lightsy	MANAGER	L.A. Co			
10	Karla Perez		EYCEJ			



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección / Ciudad / Código Postal
1	Beatriz Carrillo	Resident Wilmington	CBE			
2	Ker Dami	GPA	Advisor			
3	Bryan Hardwick	Environmental Advisor	Advisor			
4	Shireen Dideban	Community Organizer	East Yard Community for Env. Justice			
5	BAR					
6	Shafan Byerly	ENVIRON Research Partner				
7	Maria Estrada	Candidate AD103				
8	Octavio Ramirez	community organizer Resident	S BCC			
9	Jim Marchese	Env Affair Officer	Los Angeles Sanctuary			
10	Daniel Hackney	Env Affair Officer	LA SAN			



AB 617: Community Meeting -- Wilmington -- March 13, 2018 -- 6:00 to 8:00PM

Wilmington Community Center

1371 Eubank Ave., Wilmington, CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Elizabeth Martinez		EYCEJ			
2	Jennifer Hank		EYCEJ			
3	Fatima Caneira		EYCEJ			
4	Dannell Johnson		SELGAS			
5	Liliana Camecho					
6	CLAUDETTE CHAMANO		ELM			
7	Andrei Huang		Shell Pipeline			
8	Jazmin Chavez		Youth in Action			
9	Danyce Milotich		Youth in Action			
10	Alvin Parks					

**andeavor** 

**Susan R. Stark**  
Regulatory Affairs Senior  
Manager

**PMSA**  
PACIFIC MERCHANT SHIPPING ASSOCIATION

**Thomas A. Jelenić**  
Vice President

Office: 562.432.4043  
Mobile: 310.547.2460  
Fax: 562.432.4048  
tjelenic@pmsaship.com  
1 World Trade Center, Suite 1700  
Long Beach, California 90831

**PMSASHIP.COM**



  
**Clean Energy**

**Greg Roche**  
Vice President Sustainable Trucking

  
**SA Recycling**

**Elio Torrealba**  
Director - Air Quality

**GOT SCRAP?®**

California Environmental Protection Agency  
 **Air Resources Board**



**H. Cuauhtémoc Pelayo**  
Investigador  
Sec. Autoridad de Ferrocarril y Marina





Cody Rosenfield  
Policy Associate



Liliana Isabel Nuñez  
Air Pollution Specialist  
State Strategy Section  
Office of Community Air Protection



CONGRESSWOMAN NANETTE DIAZ BARRAGAN  
44TH DISTRICT, CALIFORNIA

MORGAN ROTH  
DEPUTY DISTRICT DIRECTOR



EK, SUNKIN,  
KLINK & BAI

Diana Rodriguez



Renewable Energy Group

Magali Sanchez-Hall

DAVENPORT ENGINEERING, INC.  
**Davenport**  
ENVIRONMENTAL SERVICES

Ada W. Carson | Principal Engineer



BARBARA SULLIVAN  
CEO



**Shakari Byerly**  
Partner

Public Opinion Research • Political Consulting  
Public Policy Analysis



**CALIFORNIA**  
RESOURCES CORPORATION

**Kristy Monji**  
Environmental Specialist

**PMSA**  
PACIFIC MERCHANT SHIPPING ASSOCIATION

**Thomas A. Jelenić**  
Vice President



**Yorke**  
ENGINEERING, LLC  
[www.YorkeEngr.com](http://www.YorkeEngr.com)

**Anne McQueen, PhD, PE**  
Principal Engineer

*Air Quality &  
Environmental Services*

**HWD ADJUSTING COMPANY**  
PUBLIC CLAIMS ADJUSTERS

*We advocate, negotiate, and settle claims for you*

**HAROLD DICKENS**  
PUBLIC ADJUSTER



**Aaron Leonard**  
President/CEO

Pure Hearts R Us is making  
Homeownership the  
Heartbeat of America Once Again!

[www.pureheartsrus.org](http://www.pureheartsrus.org)



**Fernando Navarrete**  
Field Deputy

Joe Buscaino  
Councilmember, 15th District  
City of Los Angeles



Supervisor Janice Hahn  
Fourth District, County of Los Angeles

**ERIKA VELAZQUEZ**  
Harbor Area Director



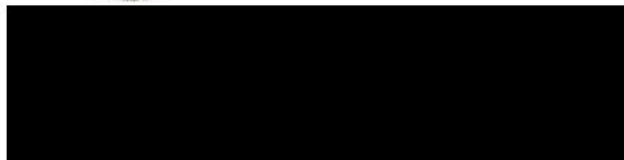
**STEVEN BRADFORD**  
SENATOR, 35TH DISTRICT  
CALIFORNIA LEGISLATURE

**BRENDA BAKER**  
DISTRICT REPRESENTATIVE



**CITY OF SANTA ANA**

**ALYSSA VENTURA**  
COMMUNITY PLANNING TECHNICIAN



CONGRESSWOMAN NANETTE DIAZ BARRAGÁN  
44TH DISTRICT, CALIFORNIA

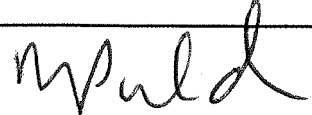
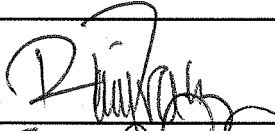
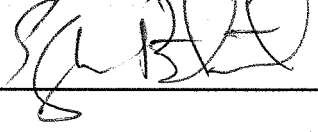

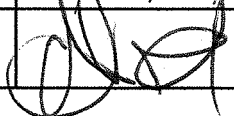
**MORGAN ROTH**  
DEPUTY DISTRICT DIRECTOR



# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach


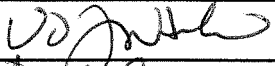


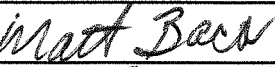




May 16, 2019 -- 6:00 PM to 8:30 PM

Carson Events Center - 801 E. Carson St., Carson, CA 90745

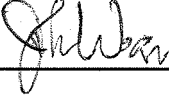
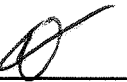


Affiliation	Primary	Signature	Alternate	Signature
Community Organization				
Century Villages at Cabrillo	Jeffery Tate			
Coalition for a Safe Environment	Jesse Marquez		Rick Pulido	
Communities for a Better Environment	Alicia Rivera		Ashley Hernandez	
Long Beach Alliance for Children with Asthma	Sylvia Betancourt		Maria Reyes	
Los Cerritos Neighborhood Association	Gary Hamrick		Joe Hower	
Philippine Action Group for the Environment	Fe P. Koons			
SBCC Thrive LA	Maribel Alejandre		Leticia Herrera	



# Agency or school, university or hospital

City of Carson	Saied Naaseh		McKina Alexander	
City of Los Angeles	Uduak-Joe Ntuk		Erica Blyther	
Gulf Avenue Elementary School	Linda Bassett		Esperanza Romero	
LA County Public Health	Matt Baca		Janet Scully	
Long Beach Public Health	Nelson Kerr		Judeth Luong	
Long Beach Unified School District	Brooke Murray			
Port of Los Angeles	Tim DeMoss		Amber Coluso	
University of Southern California	Jill Johnston			

# Business, business organization, or labor organization

Carson Chamber of Commerce	John Wogan			
Long Beach Area Chamber of Commerce	Jeremy Harris		Brissa Sotelo	
Wilmington Chamber of Commerce	Dan Hoffman		Cecilia Moreno	
Marathon	Olga Chavez		Susan Stark	
Union Pacific	Lupe Valdez			
Yusen Logistics	Cameron D. Smith		Nikki Nguyen	
USW Local 675	Pat Patterson			

## Active Resident (city indicated below)

Carson	Daniel Toledo			
Carson	Sergio Franco			
Carson	Joseph Luis Piñon	<i>Joseph L. Piñon</i>	Yasaman Houshang	<i>Yasaman Houshang</i>
Carson	William Koons	<i>William Koons</i>		
West Long Beach	Christopher Chavez	<i>Christopher Chavez</i>	Pastor Anthony Quezada	
West Long Beach	Jacob Broderick		Emelio Ramirez	
West Long Beach	Ron Batiste			
West Long Beach	Whitney Amaya			
Wilmington	Salvador Lara		<i>Victor Herrera</i>	<i>Victor Herrera</i>
Wilmington	Flavio Mercado	<i>Flavio Mercado</i>		
Wilmington	Dulce Altamirano	<i>Dulce Altamirano</i>		
Wilmington	Magali Sanchez-Hall	<i>Magali Sanchez-Hall</i>	Silva Arredondo	



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- May 16, 2019 -- 6:00 to 8:30 PM

Carson Events Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING.

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	PunkaPA Huce	CHW				
2	Dave Salardini	ARS	CARB			
3	Hector Lopez	CHW				
4	Irene Mineses	CHW	LBACTA			
5	Jessica Figueroa	Project Coordinator	LBACTA			
6	BRUCEA HERNANDEZ	PUBLIC				
7	Bryan Hardwick	CHW	CRC			
8	Paul DeMoford	LBACTA				
9	Kraig Pethman	Public	Cooper Environmental			
10	Victoria Villa	CARB	CARB			



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- May 16, 2019 -- 6:00 to 8:30 PM

Carson Events Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Yasmine Stutz	Env. Consultant	Ramboll			
2	M. Walker	Env. Eng				
3	CRYSTAL REUL-CABEN	Dr.	CARB			
4	Morgan Caswell	<del>POB</del> Env. Specialist	POB			
5	Alyssa Beltran	Env. scientist	DPH			
6	Steve Roth	Consultant	mscathan			
7	Fe P. Koon	Envian	Jacobs			
8	Maria Jui	PRN	Don't know			
9	Roy Chen	ED	South LA			
10	Colin Maynard		Marathon Petroleum			



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- May 16, 2019 -- 6:00 to 8:30 PM

Carson Events Center

801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

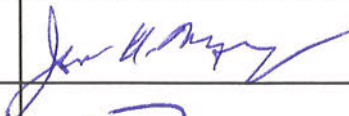
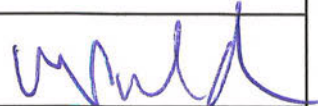


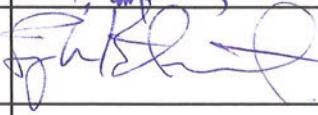
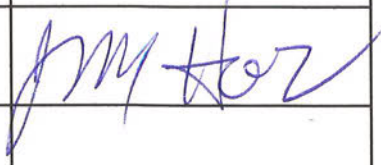
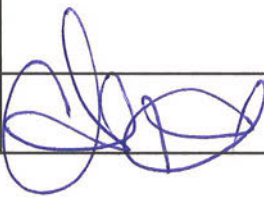
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	RTAN ATONE		CARB			
2	MARK SHELTON	TECHNICAL CONSULTANT	Sheldon Research and Consulting			
3						
4						
5						
6						
7						
8						
9						
10						

# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach

June 13, 2019 -- 6:00 PM to 8:30 PM

Wilmington Senior Center - 1371 Eubank Ave., Wilmington, CA 90744

Affiliation	Primary	Signature	Alternate	Signature
Community Organization				
Century Villages at Cabrillo	Jeffery Tate			
Coalition for a Safe Environment	Jesse Marquez		Rick Pulido	
Communities for a Better Environment	Alicia Rivera		Ashley Hernandez	
Long Beach Alliance for Children with Asthma	Sylvia Betancourt		Maria Reyes	
Los Cerritos Neighborhood Association	Gary Hamrick		Joe Hower	
Philippine Action Group for the Environment	Fe P. Koons			
SBCC Thrive LA	Maribel Alejandre		Leticia Herrera	





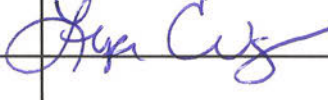
# Active Resident (city indicated below)

Carson	Daniel Toledo			
Carson	Sergio Franco			
Carson	Joseph Luis Piñon	<i>Joseph Luis Piñon</i>	Yasaman Houshang	
Carson	William Koons	<i>William Koons</i>		
West Long Beach	Christopher Chavez	<i>Ch Chavez</i>	Pastor Anthony Quezada	
West Long Beach	Jacob Broderick		Emelio Ramirez	
West Long Beach	Ron Batiste			
West Long Beach	Whitney Amaya	<i>Whitney Amaya</i>		
Wilmington	Salvador Lara	<i>Salvador Lara</i>	Victor Ibarra	
Wilmington	Flavio Mercado			
Wilmington	Dulce Altamirano	<i>Dulce</i>		
Wilmington	Magali Sanchez-Hall		Silvia Arredondo	<i>SA</i>

# Agency or school, university or hospital

City of Carson	Saied Naaseh		McKina Alexander	<i>McKina Alexander</i>
City of Los Angeles	Uduak-Joe Ntuk	-	Erica Blyther	<i>Erica Blyther</i>
Gulf Avenue Elementary School	Linda Bassett	-	Esperanza Romero	
LA County Public Health	Matt Baca		Janet Scully	
Long Beach Public Health	Nelson Kerr	<i>Nelson Kerr</i>	Judeth Luong	
Long Beach Unified School District	Brooke Murray			
Port of Los Angeles	Tim DeMoss	<i>Tim DeMoss</i>	Amber Coluso	<i>Amber Coluso</i>
University of Southern California	Jill Johnston	<i>Jill Johnston</i>		

Business, business organization, or labor organization

Carson Chamber of Commerce	John Wogan		Ken Dami	
Long Beach Area Chamber of Commerce	Jeremy Harris		Brissa Sotelo	
Wilmington Chamber of Commerce	Dan Hoffman		Cecilia Moreno	
Marathon	Olga Chavez		Susan Stark	
Union Pacific	Lupe Valdez			
Yusen Logistics	Cameron D. Smith		Nikki Nguyen	
USW Local 675	Pat Patterson			





AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- June 13, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center

1371 Eubank Avenue, Wilmington CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

①

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	HARVEY EDER	EX DIR PSRC FOUNDER S.CUB 1 SELF	PUBLIC SOLAR PSRC FOUNDER COALITION			
2	Terry Allen	APS	CARB			
3	Trish Johnson	APS	CARB			
4	Pinkney Sweet	CHW				
5	Irene Mineses	CHW	UBAA			
6	Jessica Figueroa	project coordinator	CBACA			
7	Bruce Herrera	EXECUTIVE DIRECTOR	LANIC			
8	Conor Lopez	Environmental Specialist	POLA			
9	Alyssa Beltran	ENV-SCIENTIST	DPH.			
10	Sim Kennedy					



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- June 13, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center

1371 Eubank Avenue, Wilmington CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

(2)

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Dave Sakidin		CARB			
2	Barb DeRidder	<del>CHW</del> PHN	LACDPH			
3	Maria Garcia	CHW	LBACA			
4	Crystal Reul-Chen	<del>Dr. CHW</del>	CARB			
5	Verona Perez	MAIAZ	CFATE			
6	Ray Chung		SmartDRLA			
7	Patty Seneef	WSPA				
8	Lucia Bussan	Teacher	Genl Ave			
9	Margaret	CLPH	BRASH 8			
10	Kevin Stash	WSPA				



AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- June 13, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center

1371 Eubank Avenue, Wilmington CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

3

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Morgan Caswell	Env. Specialist	POAB			
2	Kevin Naggy		S. Colgar			
3	Niky Niku		CALSTART			
4	Karina Simpson	Environmental Engineer	City of LA			
5	Bryan Hardwick		CRC			
6	Bridget McLean	Manager, Technical Reg. Affairs	WSPA			
7	Margie Hoyt		TRAA			
8	Antonio Morales	Air Resources Engineer	MLD/CARB			
9	Marlene Alvarada	Videoographer	Soy Del Pue			
10	Jeremi Smith	Air Pollution Specialist	CARB			





AB 617: Community Meeting -- Wilmington/Carson/West Long Beach -- June 13, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center

1371 Eubank Avenue, Wilmington CA 90744

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

(4)

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Golden Therapy		Beach West Long Beach			
2						
3						
4						
5						
6						
7						
8						
9						
10						



AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	CRYSTAL REILLY	Dr	CARB				✓	✓
2	Jeremy Herbert		CARB				✓	✓
3	Mark Abramowitz		Community Environmental services				✓	✓
4	Antonio Rangel							
5	Polenta Lma	EPHON	DH/CFS				✓	✓
6	Bennett Manalo		Marathon				✓	✓
7	Angelica Magadan		Marathon				✓	✓
8	Kristy Monji		Che				✓	✓
9	Ana Tuigaleale						✓	✓
10	umar Perez		Marathon				✓	✓



AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	Miray Girguis	Intern	Marathon				✓	✓
2	RAY LAWSON	BUSINESS REP	SWRCC					
3	Denis Kurt	Environmental italk&S&S	Marathon				✓	✓
4	Madath MacLaine	Secretary General	Zero Emission Ship Technology				✓	✓
5	Matt Bese	LA Co DPH	Project Manager					x
6	Daniel Becerril	Intern	Marathon				✓	✓
7	Chris Caldera	Intern	Marathon					✓
8	Bridget McLean	Manager Tech. to the Affairs	WSPA				✓	✓
9	Geck Horng Huy	Intern	Marathon				✓	✓
10	Guadalupe Rodriguez	Intern	Marathon				✓	✓





AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	Fabiola Guzman	consultant	Marathon				✓	✓
2	BRUCE HEYMAN	EXECUTIVE DIRECTOR	LANI				✓	✓
3	Maria Garcia	CHW	LBACA				✓	✓
4	Gerardo Royer	Intern	MPC					✓
5	George Rudametkin	Intern	MPC					✓
6	ANATIS GOMEZ	INTERN	MPC				✓	✓
7	Bryan Hardwick		CRC					
8	Allison Trask	IBSW						✓
9	MELISSA PLAMONDON	ENV. AFFAIRS OFFICER	CITY OF LA				✓	✓
10	Irene Mineses		LBACA					✓



AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM  
AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Span  
2 headsets

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento  
PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtnng ✓
1	Suma Persipah	DAE	CA AG's office					X
2	Victor M. Silva		CARPENTERS UNION					L
3	Steven Donahue		CARPENTERS					+
4	LUIS MEZA		CARPENTERS					+
5	Jonathan Graham	CARPENTERS LOCAL 502						J
6	Joseph							
7	Al Salter		SC					X
8	RYAN ATAN		CARB					
9	Roe Ocano							
10								





AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM

AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	Razou Herandra	CTW	LBRA					
2	Susana Concepcion							
3	Jocelyn Alva	Intern	MPC					
4	Primita Navarrete							
5	Alan M. <del>Witt</del>	—	MPC					
6	Alicia Linares		CBE					
7	Natalie Smith		Valero					
8	DEBORAH CARSON	EMP	MPC					
9	Franklin Hunt	CAW	LBRA					
10	Nathan Francisco		MPL					



AB 617: CERP Workshop - WCWLB - July 11, 2019 - 5:30 PM to 6:00 PM

AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --July 11, 2019 -- 6:00 to 8:30 PM

Wilmington Senior Center, Wilmington, CA

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

PLEASE INDICATE  
WHICH MEETING YOU  
WILL BE ATTENDING

	Name Nombre	Title Título	Affiliation / Organization Afiliación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal	CERP Workshop ✓	CSC Mtng ✓
1	Lilia Delgado							✓
2	Barb DeRedder	PS	LACDPH				✓	✓
3	Langlois Cora	POLA ENVIRONMENTAL TEAM	POLA					✓
4	Eric Ramirez	Marathon						
5	Romeo Moreno	Marathon						
6	KEVIN PNU	marathon						
7	REINA PENA	MARATHON						
8	Ianna Vazquez	Marathon						
9	Ethan Araquel	Marathon						
10	Andrew Elvira	Marathon						


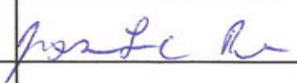
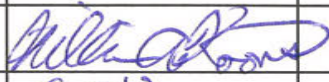
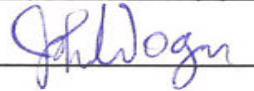
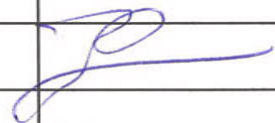
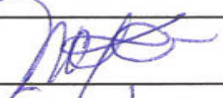
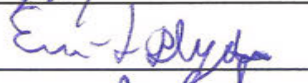
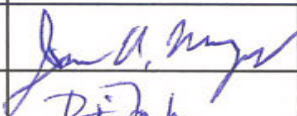
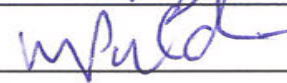
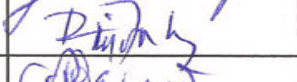
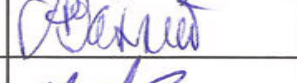



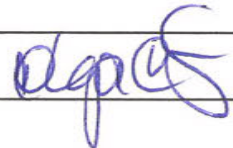
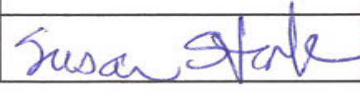




# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach

July 11, 2019 -- 6:00 PM to 8:30 PM

Wilmington Senior Center - 1371 Eubank Ave., Wilmington, CA 90744

Affiliation	Primary	Signature	Alternate	Signature	Category
Active Resident of Carson	Daniel Toledo				Active Resident
Active Resident of Carson	Joseph Luis Piñon		Yasaman Houshang		Active Resident
Active Resident of Carson	Sergio Franco				Active Resident
Active Resident of Carson	William Koons				Active Resident
Carson Chamber of Commerce	John Wogan		Ken Dami		Business, business organization, or labor organization
Century Villages at Cabrillo	Jeffery Tate				Community Organization
City of Carson	Saied Naaseh		McKina Alexander		Agency or school, university or hospital
City of Los Angeles	Uduak-Joe Ntuk		Erica Blyther		Agency or school, university or hospital
Coalition for a Safe Environment	Jesse Marquez		Rick Pulido		Community Organization
Communities for a Better Environment	Alicia Rivera		Ashley Hernandez		Community Organization
Gulf Avenue Elementary School	Linda Bassett		Esperanza Romero		Agency or school, university or hospital
LA County Public Health	Matt Baca		Janet Scully		Agency or school, university or hospital
Long Beach Alliance for Children with Asthma	Sylvia Betancourt		Maria Reyes		Community Organization
Long Beach Area Chamber of Commerce	Jeremy Harris		Brissa Sotelo		Business, business organization, or labor organization
Long Beach Public Health	Nelson Kerr		Judeth Luong		Agency or school, university or hospital
Long Beach Unified School District	Brooke Murray				Agency or school, university or hospital
Los Cerritos Neighborhood Association	Gary Hamrick		Joe Hower		Community Organization
Marathon	Olga Chavez		Susan Stark		Business, business organization, or labor organization

Philippine Action Group for the Environment	Fe P. Koons				Community Organization
Port of Los Angeles	Tim DeMoss		Amber Coluso		Agency or school, university or hospital
SBCC Thrive LA	Maribel Alejandre		Leticia Herrera		Community Organization
Union Pacific	Lupe Valdez				Business, business organization, or labor organization
University of Southern California	Jill Johnston				Agency or school, university or hospital
USW Local 675	Pat Patterson				Business, business organization, or labor organization
West Long Beach	Christopher Chavez		Pastor Anthony Quezada		Active Resident
West Long Beach	Jacob Broderick		Emelio Ramirez		Active Resident
West Long Beach	Ron Batiste				Active Resident
West Long Beach	Whitney Amaya				Active Resident
Wilmington	Dulce Altamirano				Active Resident
Wilmington	Flavio Mercado				Active Resident
Wilmington	Magali Sanchez-Hall		Sylvia Arredondo		Active Resident
Wilmington	Salvador Lara		Victor Ibarra		Active Resident
Wilmington Chamber of Commerce	Dan Hoffman		Cecilia Moreno		Business, business organization, or labor organization
Yusen Logistics	Cameron D. Smith		Nikki Nguyen		Business, business organization, or labor organization





AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --August 7, 2019 -- 10:00 AM to 12:30 PM

Carson Community Center -- 801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Bernadette Shahin	applications manager	aeroqual			
2	Terry Filen	APS	CARB			
3	Heather Armas	ARSTI	CARB			
4	Peter Nguyen	Research Assistant	UC Davis			
5	Dylan Hardwick	Environmental	CRC			
6	Trina Simmon	Location Lead	Uafr Ca			
7	Ken Barker	ENV Mgr	sally-miller			
8	Marie Gark	OPPING MALL				
9	Cynthia Medina	Asst Director DAAC	Del Amo Action Committee			
10	Sylvia Nunez	SBCC				



AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --August 7, 2019 -- 10:00 AM to 12:30 PM

Carson Community Center -- 801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	CRYSTAL REUL CHFW	Dr.	CARB			
2	Jered Lindsay		SCE			
3	DAN MILLER		SPECTO/AEROQUAL			
4	WILLIAM Q		SULLY-MILLER			
5	Maria Garcia	CHW	LBACA			
6	KITTY ADAMS	EXECUTIVE DIRECTOR	ADOPT A CHARGER			
7	R-IAN ATENID		CARB			
8	BRUCE HYMAN	EXECUTIVE DIRECTOR	LAMI			
9	MELISSA PLAMONDON	ENV. AFFAIRS OFFICER	CITY OF LA			
10						



AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --August 7, 2019 -- 10:00 AM to 12:30 PM

Carson Community Center -- 801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Karina Simpson	Environmental Engineer	City of LA			
2	Tammy Yamasaki	AQ Specialist	SCE			
3	Cory Skunkin	Dev spec	CHBC			
4	Bridget McLean	Manager Tech. Reg. Affairs	WSPA			
5	JASON DAWSON	Health Analyst	La County Dept Public Health			
6	Golden Thorn	West Long Beach	Lib			
7	Marley Zelay	Sr. Env. Scientist.	OEHHA			
8	CARRIE SCOVILLE	PRESIDENT	SAN PEDRO DEMOCRATIC CLUB			
9	Marshall Miller		P66			
10						





AB 617: CSC Meeting -- Wilmington/Carson/West Long Beach --August 7, 2019 -- 10:00 AM to 12:30 PM

Carson Community Center -- 801 E. Carson St., Carson, CA 90745

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	CAMIL BENJAMIN					
2	GEORGE BENJAMIN					
3						
4						
5						
6						
7						
8						
9						
10						

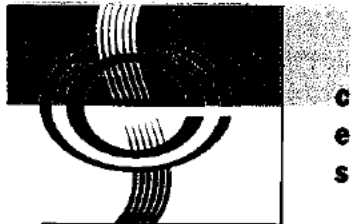


**Conor Langlois**  
Environmental Specialist  
Environmental Management Division



**CALIFORNIA**  
RESOURCES CORPORATION

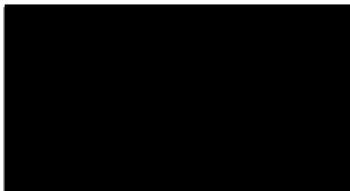
**Kristy Monji**  
Environmental Specialist



**community  
environmental  
services**



**Dan Miller**  
Sales Manager



[www.spectotechnology.com](http://www.spectotechnology.com)



**Bernadette Shahin**  
Applications Manager

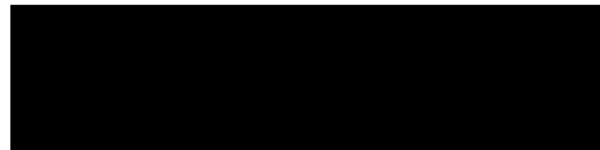


[aeroqual.com](http://aeroqual.com)

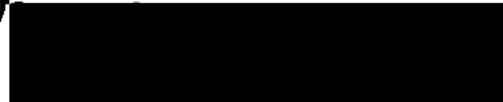
aeroqual®

**Mark Sheldon**  
dba Sheldon Research and Consulting

Energy / Environmental / Propulsion Engineering



**LOS ANGELES MARITIME INSTITUTE**

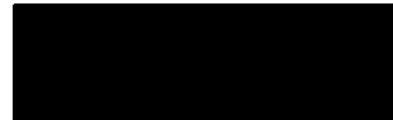


**CAPTAIN BRUCE D. HEYMAN**  
EXECUTIVE DIRECTOR

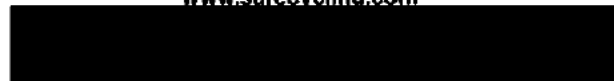
Experiential Education aboard the Official Tall Ships  
*Irving Johnson, Exy Johnson and Swift of Ipswich*



**Elio Torrealba**  
Director - Air Quality



**GOT SCRAP?®**  
[www.sarecycling.com](http://www.sarecycling.com)



Department of Public Works  
Bureau of Sanitation  
Regulatory Affairs Division




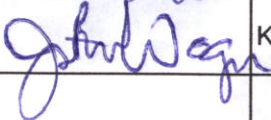

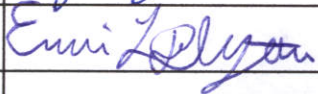
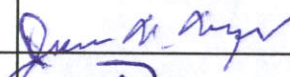



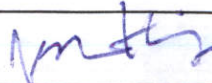
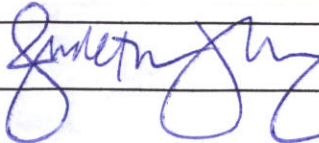
**KRIS W. FLAIG, P. E.**  
Environmental Engineering Associate III  
Air Quality, Climate Change, Renewable Energy



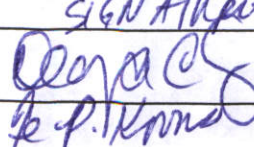
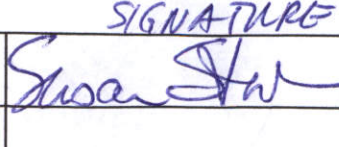
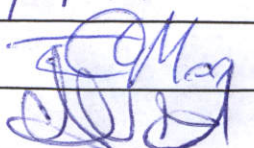
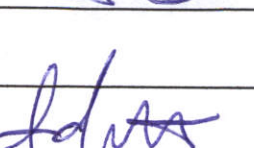
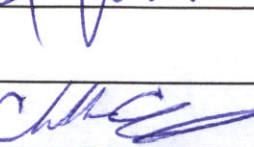
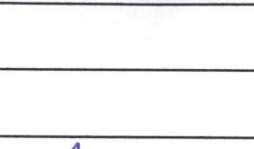
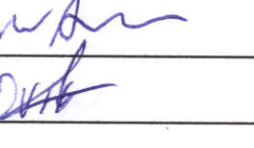
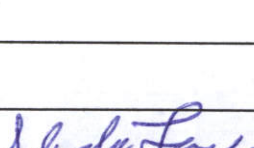
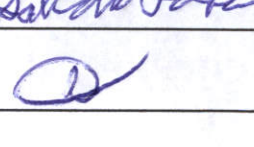
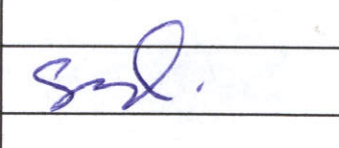


# AB 617: Community Meeting -- Wilmington/Carson/West Long Beach

August 7, 2019 -- 10:00 AM to 12:30 PM

Carson Community Center -- 801 E. Carson St., Carson, CA 90745

Affiliation	Primary	Signature	Alternate	Signature	Category
Active Resident of Carson	Daniel Toledo				Active Resident
Active Resident of Carson	Joseph Luis Piñon		Yasaman Houshang		Active Resident
Active Resident of Carson	Sergio Franco				Active Resident
Active Resident of Carson	William Koons				Active Resident
Carson Chamber of Commerce	John Wogan		Ken Dami		Business, business organization, or labor organization
Century Villages at Cabrillo	Jeffery Tate				Community Organization
City of Carson	Saied Naaseh		McKina Alexander		Agency or school, university or hospital
City of Los Angeles	Uduak-Joe Ntuk		Erica Blyther		Agency or school, university or hospital
Coalition for a Safe Environment	Jesse Marquez		Rick Pulido		Community Organization
Communities for a Better Environment	Alicia Rivera		Ashley Hernandez		Community Organization
Gulf Avenue Elementary School	Linda Bassett		Esperanza Romero		Agency or school, university or hospital
LA County Public Health	Matt Baca		Janet Scully		Agency or school, university or hospital
Long Beach Alliance for Children with Asthma	Sylvia Betancourt		Maria Reyes		Community Organization
Long Beach Area Chamber of Commerce	Jeremy Harris		Brissa Sotelo		Business, business organization, or labor organization
Long Beach Public Health	Nelson Kerr		Judeth Luong		Agency or school, university or hospital
Long Beach Unified School District	Brooke Murray				Agency or school, university or hospital
Los Cerritos Neighborhood Association	Gary Hamrick		Joe Hower		Community Organization



		SIGNATURE	ALTERNATE	SIGNATURE	
Marathon	Olga Chavez		Susan Stark		Business, business organization, or labor organization
Philippine Action Group for the Environment	Fe P. Koons		Jesse Koons		Community Organization
Port of Los Angeles	Tim DeMoss		Conor Langlois		Agency or school, university or hospital
SBCC Thrive LA	Maribel Alejandre		Leticia Herrera		Community Organization
Union Pacific	Lupe Valdez				Business, business organization, or labor organization
University of Southern California	Jill Johnston				Agency or school, university or hospital
USW Local 675	Pat Patterson				Business, business organization, or labor organization
West Long Beach	Christopher Chavez		Pastor Anthony Quezada		Active Resident
West Long Beach	Jacob Broderick		Emelio Ramirez		Active Resident
West Long Beach	Ron Batiste				Active Resident
West Long Beach	Whitney Amaya				Active Resident
Wilmington	Dulce Altamirano				Active Resident
Wilmington	Flavio Mercado				Active Resident
Wilmington	Magali Sanchez-Hall		Sylvia Arredondo		Active Resident
Wilmington	Salvador Lara		Victor Ibarra		Active Resident
Wilmington Chamber of Commerce	Dan Hoffman		Cecilia Moreno		Business, business organization, or labor organization
Yusen Logistics	Cameron D. Smith		Nikki Nguyen		Business, business organization, or labor organization

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX 3A:

## COMMUNITY PROFILE

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 3a: Community Profile

### Information on the Best Available Retrofit Control Technology and AB 2588 Program

AB 617 requires air districts to implement Best Available Retrofit Control Technology (BARCT) for facilities in the state greenhouse gas cap-and-trade program by December 31, 2023. The Wilmington, Carson, West Long Beach community has facilities that are subject to BARCT, specifically larger facilities that are in the REgional CLean Air Incentives Market (RECLAIM) program. In addition, CARB's Blueprint states that facilities located within the community with Risk Reduction Plans under the Assembly Bill (AB) 2588 program must be identified. Descriptions of the facilities that are subject to BARCT (specifically RECLAIM facilities) and the AB 2588 program are provided below.

### Best Available Retrofit Control Technology (BARCT)

#### *RECLAIM facilities*

Facilities within the RECLAIM program are typically larger facilities that have NO<sub>x</sub> emissions greater than four tons per year. The RECLAIM program<sup>1</sup> uses a market-based approach to achieve emission reductions from facilities for nitrogen oxides (NO<sub>x</sub>) and sulfur oxides (SO<sub>x</sub>) in the aggregate. However, an analysis of the RECLAIM program has shown that the ability to achieve NO<sub>x</sub> emission reductions using a market-based approach has diminished; therefore, pursuant to Board direction, RECLAIM NO<sub>x</sub> facilities will transition<sup>i</sup> to a command-and-control regulatory structure to ensure facilities meet BARCT. RECLAIM facilities that are also in the State greenhouse gas cap-and-trade program are subject to the BARCT requirements of AB 617. South Coast AQMD staff completed an analysis of the equipment at each RECLAIM facility, giving higher priority to older, higher polluting units that will need to install retrofit controls. The higher polluting units at RECLAIM facilities will be or have been evaluated for BARCT and will be subject to the following South Coast AQMD rules: Rules 1109.1,<sup>2</sup> 1110.2,<sup>3</sup> 1117,<sup>4</sup> 1118.1,<sup>5</sup> 1134,<sup>6</sup> 1135,<sup>7</sup> 1146, 1146.1, 1146.2,<sup>8</sup> 1147, 1147.1,<sup>9</sup> and 1147.2.<sup>10</sup> A BARCT assessment includes an evaluation of emission limits for existing units, South Coast AQMD regulatory requirements, other regulatory requirements, and pollution control technologies. Table Appendix 3a-1 lists the RECLAIM facilities that may be subject to BARCT and whether they are in the State cap-and-trade program.

---

<sup>i</sup> For more information on the RECLAIM transition please see: <http://www.aqmd.gov/home/rules-compliance/reclaim-transition>.



Table Appendix 3a-1: List of NO<sub>x</sub> RECLAIM facilities within the Wilmington, Carson, Long Beach community

RECLAIM Facility Name	Facility Address	Cap-and-Trade Facility (Yes/No)
AIR PROD & CHEM INC	23300 S ALAMEDA ST., CARSON	No
NEW NGC, INC.	1850 PIER B ST., LONG BEACH	Yes
RALPHS GROCERY CO	1100 W ARTESIA BLVD., COMPTON	No
PACIFIC CONTINENTAL TEXTILES, INC.	2880 E ANA ST., COMPTON	No
LA CITY, HARBOR DEPT	500 PIER A ST., BERTH 161, WILMINGTON	No
TIDELANDS OIL PRODUCTION COMPANY ETAL	230 S PICO AVE., LONG BEACH	Yes
TEXOLLINI INC	2575 EL PRESIDIO ST., CARSON	No
AIR PRODUCTS AND CHEMICALS, INC.	700 N HENRY FORD AVE., WILMINGTON	No
PRIME WHEEL	17704 S BROADWAY ST., CARSON	Yes
LONG BEACH GENERATION, LLC	2665 PIER S LN., LONG BEACH	No
INEOS POLYPROPYLENE LLC	2384 E 223RD ST., CARSON	No
THUMS LONG BEACH CO	1411 PIER D ST., LONG BEACH	Yes
LEKOS DYE AND FINISHING, INC	3131 HARCOURT ST., COMPTON	No
FS PRECISION TECH LLC	3025 E VICTORIA ST., COMPTON	No
TESORO REFINING AND MARKETING CO, LLC	23208 S ALAMEDA ST., CARSON	Yes
HARBOR COGENERATION CO, LLC	505 PIER B AVE., WILMINGTON	No
HENKEL ELECTRONIC MATERIALS, LLC	20021 SUSANA RD., COMPTON	No
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	1660 W ANAHEIM ST., WILMINGTON	Yes
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	1520 E SEPULVEDA BLVD., CARSON	Yes
TESORO REF & MKTG CO LLC,CALCINER	2450 PIER B ST., LONG BEACH	Yes
TESORO REFINING & MARKETING CO, LLC	2350 E 223RD ST., CARSON	Yes
ECO SERVICES OPERATIONS CORP.	20720 S WILMINGTON AVE., CARSON	Yes
URBAN COMMONS LLC EVOLUTION HOSPITALITY	1256 S PIER J AVE., LONG BEACH	No
LSC COMMUNICATIONS, LA MFG DIV	19681 PACIFIC GATEWAY DR., TORRANCE	No
ENERY HOLDINGS LLC	17171 S CENTRAL AVE., CARSON	No

RECLAIM Facility Name	Facility Address	Cap-and-Trade Facility (Yes/No)
ULTRAMAR INC	2402 E ANAHEIM ST., WILMINGTON	Yes
US BORAX INC	300 FALCON ST., WILMINGTON	No
LA CITY, DWP HARBOR GENERATING STATION	161 N ISLAND AVE., WILMINGTON	No
TIDELANDS OIL PRODUCTION CO	949 PIER G AVE., LONG BEACH	Yes
THUMS LONG BEACH	1105 HARBOR SCENIC DR., LONG BEACH	Yes
EQUILON ENTER. LLC, SHELL OIL PROD. US	20945 S WILMINGTON, CARSON	No
VALERO WILMINGTON ASPHALT PLANT	1651 ALAMEDA ST., WILMINGTON	No
PLAINS WEST COAST TERMINALS LLC	2500 E VICTORIA ST., COMPTON	No
PLAINS WEST COAST TERMINALS LLC	2685 PIER S LN., LONG BEACH	No

### *Non-RECLAIM facilities*

As a result of the BARCT assessment conducted for RECLAIM facilities, some equipment at non-RECLAIM facilities will also be affected and will be required to meet BARCT NOx emissions. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities that may be subject to additional requirements is being developed.

### [AB 2588 Program](#)

The AB 2588 Program<sup>11</sup> is a statewide program that requires air districts to establish emissions inventory of air toxics from individual facilities.<sup>ii</sup> The AB 2588 program is implemented in South Coast AQMD through Rule 1402 - Control of Toxic Air Contaminants from Existing Sources<sup>12</sup> which requires certain facilities to conduct Health Risk Assessments to assess the health risk (long-term versus short-term) to the surrounding community. Facilities are required to submit Health Risk Assessments<sup>13</sup> based upon the toxicity and volume of toxic air contaminants released within proximity to potential receptors (e.g., hospitals, residences, work sites). Depending on the risk, facilities may be required to do public notices and hold a public meeting. If a facility is determined to exceed the significant risk level, as determined by each air district, they are required to reduce this risk by submitting a Risk Reduction Plan (RRP).<sup>14</sup> The RRP outlines what measures (e.g., high-efficiency particulate air (HEPA) filters) the facility will incorporate to reduce their risk. (Some facilities may be subject to the AB 2588 program, but do not exceed the action risk threshold and therefore are not required to submit a RRP.) Some facilities may also choose to voluntarily reduce

<sup>ii</sup> The South Coast AQMD's AB 2588 Program incorporates the requirements of the state AB 2588 program, as well as additional and/or more stringent requirements.

their risk by submitting a voluntary RRP (VRRP).<sup>iii</sup> If a facility has an approved VRRP, the risks will be reduced below the voluntary risk threshold. Table Appendix 3a-2<sup>iv</sup> shows facilities within the Wilmington, Carson, West Long Beach community that are currently in the AB 2588 program in the South Coast AQMD. This table includes the facility name, location address, and the most recent status under the AB 2588 program. Facilities in the AB 2588 program without a RRP or VRRP will have the prioritization level (High, Intermediate, or Low)<sup>v</sup> and what year the prioritization was conducted listed as the status. Prioritization is based on reporting every four years.

Table Appendix 3a-2: List of facilities in the AB 2588 program within the Wilmington, Carson, Long Beach community

Facility Name	Facility Address	Status within the AB 2588 Program
AIR PROD & CHEM INC	23300 S ALAMEDA ST, CARSON	Prioritization from 2017 - Intermediate
LMC ENTERPRISES, DBA FLO-KEM	19400-02 SUSANA RD, RANCHO DOMINGUEZ	Prioritization from 2016 – Low
LA CITY, TERMINAL ISLAND TREATMENT PLANT	445 FERRY ST, SAN PEDRO	Prioritization from 2015 - Intermediate
WESTERN TUBE & CONDUIT CORP	2001 E DOMINGUEZ ST, LONG BEACH	Prioritization from 2015 - Intermediate
PICK YOUR PART AUTO WRECKING	1903 N BLINN AVE, WILMINGTON	Prioritization from 2016 – Low
LA CITY, HARBOR DEPT	500 PIER A ST, BERTH 161, WILMINGTON	Prioritization from 2017 – Low
MAXIMA ENTERPRISES, INC.	23920-4 S VERMONT AVE, HARBOR CITY	Prioritization from 2015 – Low
PERVAN TOOLING CO., INC	1716 KONA DR, COMPTON	Prioritization from 2017 - Intermediate
BREA CANON OIL CO	630 LOMITA BLVD, WILMINGTON	Prioritization from 2015 - Intermediate
AIR PRODUCTS AND CHEMICALS, INC.	700 N HENRY FORD AVE, WILMINGTON	Prioritization from 2018 - Intermediate
RIBOST TERMINAL, LLC.	1405 PIER "C" ST, LONG BEACH	Prioritization from 2017 - Intermediate

<sup>iii</sup> Some facilities may have submitted applications for a VRRP; however, if the facility is found to be already under the voluntary risk threshold, no further reduction measures are required.

<sup>iv</sup> Facilities listed in the table are reducing risk or in the process of reducing risk.

<sup>v</sup> Facilities designated as high priority are required to submit Health Risk Assessments to assess the risk to their surrounding community. Facilities ranked as Intermediate priority are required to submit a complete toxics inventory once every four years. Facilities ranked as low priority are exempt from reporting.

Facility Name	Facility Address	Status within the AB 2588 Program
POLY ONE CORPORATION	2104 E 223RD ST, CARSON	Prioritization from 2017 – Low
FS PRECISION TECH LLC	3025 E VICTORIA ST, COMPTON	Prioritization from 2018 – Low
WARREN E&P, INC	625 E ANAHEIM ST, WILMINGTON	Prioritization from 2017 - Intermediate
TESORO REFINING AND MARKETING CO, LLC	23208 S ALAMEDA ST, CARSON	Risks below notification risk level based on most recent HRA
SA RECYCLING	901 NEW DOCK ST, TERMINAL ISLAND	Prioritization from 2017 - Intermediate
HUCK INTERNATIONAL INC	900 WATSON CENTER RD, CARSON	Prioritization from 2016 – Low
TESORO LOGISTICS, WILMINGTON TERMINAL	1930 E PACIFIC COAST HWY, WILMINGTON	Prioritization from 2015 – Low
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	1660 W ANAHEIM ST, WILMINGTON	HRA submittal pending
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	1520 E SEPULVEDA BLVD, CARSON	Risks below notification risk level based on most recent HRA
TESORO LOGISTICS LONG BEACH TERMINAL	820 CARRACK AVE, LONG BEACH	Prioritization from 2016 – Low
EC VAPOR CONTROL SYSTEMS	885 S PIER A ST, WILMINGTON	Prioritization from 2017 - Intermediate
TESORO REF & MKTG CO LLC,CALCINER	2450 PIER B ST, LONG BEACH	Risks below notification risk level based on most recent HRA
TESORO REFINING & MARKETING CO, LLC*	2350 E 223RD ST, CARSON	VRRP under review
TESORO LOGISTICS, CARSON CRUDE TERMINAL	24696 S WILMINGTON AVE, CARSON	Prioritization from 2015 – Low
TESORO LOGISTICS,CARSON PROD TERMINAL	2149 E SEPULVEDA BLVD, CARSON	Prioritization from 2015 – Low
TESORO LOGISTICS MARINE TERMINAL 3	MARINE TERMINAL 3 PORT OF LB, LONG BEACH	Prioritization from 2018 – Low
TESORO LOGISTICS MARINE TERMINAL 2	1350 PIER B ST, LONG BEACH	Prioritization from 2015 - Intermediate

Appendix 3a-5

Facility Name	Facility Address	Status within the AB 2588 Program
ENVENT CORPORATION	1660 W ANAHEIM ST, WILMINGTON	Prioritization from 2017 - Intermediate
SOLVAY USA, INC	20851 S SANTA FE AVE, LONG BEACH	Prioritization from 2016 - Intermediate
ECO SERVICES OPERATIONS CORP.	20720 S WILMINGTON AVE, CARSON	Prioritization from 2017 - High
TORRANCE LOGISTICS COMPANY, LLC	799 S SEASIDE AVE, B #238-240, TERMINAL ISLAND	Prioritization from 2015 - Intermediate
SIGNAL HILL PETROLEUM, INC	2700 OLIVE ST, LONG BEACH	Prioritization from 2017 – Low
GS II, INC.	1431 W E ST, WILMINGTON	Prioritization from 2016 – Low
CUSTOM FIBREGLOSS MFG. CO DBA SNUGTOP	1711 HARBOR AVE, LONG BEACH	Prioritization from 2015 - Intermediate
ENERGY HOLDINGS LLC	17171 S CENTRAL AVE, CARSON	Prioritization from 2017 – Low
ULTRAMAR INC	2402 E ANAHEIM ST, WILMINGTON	VRRP under review
KINDER MORGAN LIQUIDS TERMINALS, LLC	1900 WILMINGTON - SAN PEDRO RD, WILMINGTON	Prioritization from 2015 – Low
KINDER MORGAN LIQUIDS TERMINALS, LLC	2000 E SEPULVEDA BLVD, CARSON	Prioritization from 2015 - Intermediate
PETRO DIAMOND TERMINAL CO	1920 LUGGER BERTH 83 WAY, LONG BEACH	Prioritization from 2015 – Low
US BORAX INC	300 FALCON ST, WILMINGTON	Prioritization from 2015 – Low
LA CITY, DWP HARBOR GENERATING STATION	161 N ISLAND AVE, WILMINGTON	Prioritization from 2015 - Intermediate
ULTRAMAR INC	961 LA PALOMA AVE, WILMINGTON	Prioritization from 2015 - Intermediate
LA CO. SANITATION DIST	24501 S FIGUEROA ST, CARSON	Prioritization from 2017 - Intermediate
SFPP, L.P. (NSR USE)	20410 S WILMINGTON AVE, CARSON	Prioritization from 2016 - High
LA CO HARBOR-UCLA MEDICAL CENTER	1000 W CARSON ST, TORRANCE	Prioritization from 2017 - Intermediate
TIDELANDS OIL PRODUCTION CO	949 PIER G AVE, LONG BEACH	Prioritization from 2015 – Low

Appendix 3a-6

Facility Name	Facility Address	Status within the AB 2588 Program
THUMS LONG BEACH	1105 HARBOR SCENIC DR, PIERS J1-J6, LONG BEACH	Prioritization from 2015 - Intermediate
EQUILON ENTER. LLC, SHELL OIL PROD. US	20945 S WILMINGTON, CARSON	HRA under review
VALERO WILMINGTON ASPHALT PLANT	1651 ALAMEDA ST, WILMINGTON	Prioritization from 2016 - Intermediate
PLAINS WEST COAST TERMINALS LLC	2500 E VICTORIA ST, COMPTON	Prioritization from 2017 - High
PLAINS WEST COAST TERMINALS LLC	2685 PIER S LN, LONG BEACH	Prioritization from 2018 – Low
TESORO REFINING AND MARKETING CO, LLC*	2101 E PACIFIC COAST HWY, WILMINGTON	VRRP under review

\*Facilities are consolidating

#### Technology Clearinghouse

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are frequently established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process. Permit considerations for both new and modified sources throughout the district are based on rule requirements.

#### References

1. South Coast AQMD, RECLAIM,  
<http://www.aqmd.gov/home/programs/business/business-detail?title=reclaim>,  
Accessed July 29, 2019.
2. South Coast AQMD, PR 1109.1: Refinery Equipment,  
<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1109.1>, Accessed July 29, 2019.
3. South Coast AQMD, PAR 1110.2: Emissions from Gaseous and Liquid-Fueled Engines,  
<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1110.2>, Accessed July 29, 2019.
4. South Coast AQMD, Rule 1117: Emissions of Oxides of Nitrogen from Glass Melting Furnaces, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1117.pdf>,  
Accessed July 30, 2019.

5. South Coast AQMD, PR 1118.1: Control of Emissions from Non-Refinery Flares, <https://www.aqmd.gov/home/rules-compliance/compliance/r1118-1>, Accessed July 29, 2019.
6. South Coast AQMD, PAR 1134: Emissions of Oxides of Nitrogen, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1134>, Accessed July 29, 2019.
7. South Coast AQMD, PAR 1135: Emissions of Oxides of Nitrogen from Electricity Generating Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1135>, Accessed July 29, 2019.
8. South Coast AQMD, PAR 1146, 1146.1, 1146.2: Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters; and - Implementation Schedule for NOx Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1146>, Accessed July 29, 2019.
9. South Coast AQMD, PAR 1147, 1147.1: NOx Reductions from Miscellaneous Sources, NOx Reductions from Large Miscellaneous Combustion, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147>, Accessed July 29, 2019.
10. South Coast AQMD, PAR 1147.2: NOx Reductions from Metal Processing Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147.2>, Accessed July 29, 2019.
11. South Coast AQMD, Air Toxics “Hot Spots” Program (AB 2588), <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588>, Accessed July 19, 2019.
12. South Coast AQMD, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1402.pdf>, Accessed August 9, 2019.
13. South Coast AQMD, Health Risk Assessment, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/health-risk-assessment>, Accessed July 19, 2019.
14. South Coast AQMD, Risk Reduction, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/risk-reduction>, Accessed July 19, 2019.

---

# APPENDIX 3B:

## COMMUNITY PROFILE SOURCE ATTRIBUTION

---



THIS PAGE IS INTENTIONALLY LEFT BLANK

## 2017 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.22	0.21	0.11	1.18	0.00	0.18	0.12	0.07	2.43	0.00
30	Oil and Gas Production (combustion)	32.48	3.98	21.63	28.87	0.33	2.55	2.51	2.50	4.87	0.80
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	64.77
50	Manufacturing and Industrial	410.63	75.64	207.17	312.24	4.00	22.89	22.65	22.48	28.24	10.15
52	Food and Agricultural Processing	0.09	0.04	0.91	0.24	0.00	0.05	0.05	0.05	0.13	0.00
60	Service and Commercial	151.79	49.44	101.22	179.72	8.57	24.97	24.87	24.84	42.89	1.68
99	Other (Fuel Combustion)	666.32	117.46	37.81	152.53	0.66	126.25	124.22	122.62	150.03	0.17
<b>Total Fuel Combustion</b>		<b>1909.14</b>	<b>463.08</b>	<b>371.39</b>	<b>1339.50</b>	<b>13.71</b>	<b>474.05</b>	<b>460.76</b>	<b>454.05</b>	<b>364.74</b>	<b>77.58</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	14.48	10.37	0.00	0.00	0.00	0.01	0.00	0.00	1.55	0.00
120	Landfills	1265.04	17.71	0.00	0.00	0.00	0.00	0.00	0.00	14.59	0.00
130	Incineration	56.81	10.86	265.37	55.12	18.57	39.97	13.23	9.41	28.48	25.11
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	1047.82	84.11	0.00	0.25	0.06	0.13	0.13	0.13	16.40	0.00
<b>Total Waste Disposal</b>		<b>2384.15</b>	<b>123.04</b>	<b>265.37</b>	<b>55.37</b>	<b>18.63</b>	<b>40.11</b>	<b>13.36</b>	<b>9.54</b>	<b>61.02</b>	<b>25.11</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	22.21	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	629.09	115.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	227.92	223.24	0.00	0.00	0.00	19.73	18.94	18.25	0.80	0.00
240	Printing	25.23	25.23	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00
250	Adhesives and Sealants	44.94	39.13	0.00	0.00	0.00	5.21	5.00	4.82	0.00	0.00
299	Other (Cleaning and Surface Coatings)	71.98	43.10	0.00	0.96	0.00	1.45	1.39	1.34	0.67	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>1021.37</b>	<b>447.75</b>	<b>0.00</b>	<b>0.96</b>	<b>0.00</b>	<b>26.39</b>	<b>25.33</b>	<b>24.41</b>	<b>3.27</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	500.02	209.31	0.83	2.13	7.28	10.05	6.14	5.59	6.13	0.00
320	Petroleum Refining	1022.27	718.86	80.31	280.13	47.80	490.49	332.92	223.23	11.02	6.25
330	Petroleum Marketing	1661.15	251.48	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399	Other (Petroleum Production and Marketing)	3.10	2.47	0.98	1.78	0.01	0.01	0.01	0.01	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>3186.53</b>	<b>1182.12</b>	<b>82.12</b>	<b>284.04</b>	<b>55.09</b>	<b>500.57</b>	<b>339.09</b>	<b>228.84</b>	<b>17.18</b>	<b>6.25</b>
<b>Industrial Processes</b>											
410	Chemical	82.09	64.36	9.11	49.35	20.78	36.90	31.53	29.04	0.07	0.56
420	Food and Agriculture	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	16.55	14.05	1.25	24.81	0.73	26.25	22.71	13.57	2.39	0.03
440	Metal Processes	0.04	0.04	0.01	0.00	0.00	2.83	2.36	1.92	0.01	134.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	76.08	53.26	31.95	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	474.32	426.52	3.21	4.61	0.04	29.65	21.77	17.19	123.93	0.01
<b>Total Industrial Processes</b>		<b>575.92</b>	<b>507.89</b>	<b>13.58</b>	<b>78.77</b>	<b>21.55</b>	<b>171.71</b>	<b>131.63</b>	<b>93.67</b>	<b>126.40</b>	<b>134.59</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	1027.98	850.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	120.39	113.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	7.40	7.40	0.00	0.00	0.00	0.00	0.00	0.00	3.46	0.00
540	Asphalt Paving/Roofing	7.26	6.47	0.00	0.00	0.00	0.23	0.22	0.21	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>1163.03</b>	<b>977.90</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.23</b>	<b>0.22</b>	<b>0.21</b>	<b>3.46</b>	<b>0.00</b>

(Continued)

## 2017 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	204.49	89.37	138.12	493.20	4.48	75.58	71.67	69.56	1.29	2.01
620	Farming Operations	9.03	0.72	0.00	0.00	0.00	0.28	0.13	0.02	2.80	0.03
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	440.48	215.40	21.58	0.00	490.70
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	687.64	314.25	47.45	0.00	170.53
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	7.48	4.44	0.44	0.00	1.95
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.15	0.09	0.01	0.00	0.27
660	Fires	3.73	2.51	0.77	30.74	0.00	5.37	5.27	4.97	0.00	0.73
670	Waste Burning and Disposal	0.04	0.02	0.01	0.25	0.00	0.03	0.03	0.03	0.00	0.00
690	Cooking	23.63	16.52	0.00	0.00	0.00	100.03	100.03	100.03	0.00	27.91
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	260.06	0.00
	RECLAIM			2609.30		936.13					
<b>Total Miscellaneous Processes</b>		<b>240.92</b>	<b>109.14</b>	<b>2748.20</b>	<b>524.19</b>	<b>940.61</b>	<b>1317.04</b>	<b>711.31</b>	<b>244.09</b>	<b>264.15</b>	<b>694.13</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	355.49	318.19	283.55	3494.58	7.30	113.54	111.21	46.87	60.85	19.78
722	Light Duty Trucks 1 (T1)	76.83	69.18	62.32	618.16	0.73	10.15	9.91	4.38	6.57	2.09
723	Light Duty Trucks 2 (T2)	192.75	172.57	210.53	1834.76	3.51	41.37	40.51	17.05	32.68	7.39
724	Medium Duty Trucks (T3)	158.86	141.85	171.79	1472.42	2.70	26.64	26.08	11.09	31.37	4.93
732	Light Heavy Duty Gas Trucks 1 (T4)	23.64	22.18	22.17	99.84	0.32	3.33	3.27	1.38	2.48	0.47
733	Light Heavy Duty Gas Trucks 2 (T5)	5.26	4.96	5.24	19.46	0.08	0.86	0.84	0.36	0.48	0.11
734	Medium Heavy Duty Gas Trucks (T6)	6.18	5.35	11.80	66.39	0.17	1.40	1.37	0.57	0.42	0.18
736	Heavy Heavy Duty Gas Trucks ((HHD)	2.17	1.73	7.61	56.98	0.02	0.08	0.08	0.03	0.04	0.02
742	Light Heavy Duty Diesel Trucks 1 (T4)	4.31	3.79	117.11	15.23	0.12	3.01	2.97	1.63	0.07	0.34
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.97	1.73	51.70	6.85	0.06	1.58	1.55	0.84	0.04	0.17
744	Medium Heavy Duty Diesel Truck (T6)	24.07	21.13	388.30	49.11	0.53	18.76	18.56	13.72	1.37	0.93
746	Heavy Heavy Duty Diesel Trucks (HHD)	54.82	38.96	910.74	130.49	1.45	21.87	21.68	15.49	2.35	1.93
750	Motorcycles (MCY)	96.13	84.76	24.00	459.22	0.05	0.38	0.37	0.17	0.16	0.15
760	Diesel Urban Buses (UB)	104.54	6.06	43.51	346.61	0.00	1.02	1.01	0.41	0.02	0.17
762	Gas Urban Buses (UB)	0.24	0.21	1.00	2.06	0.06	0.39	0.38	0.16	0.11	0.05
771	Gas School Buses (SB)	0.42	0.31	0.50	3.72	0.01	0.59	0.58	0.25	0.03	0.06
772	Diesel School Buses (SB)	0.47	0.41	28.80	1.05	0.03	1.67	1.64	0.78	0.05	0.18
777	Gas Other Buses (OB)	1.84	1.58	4.33	20.24	0.08	0.67	0.65	0.27	0.20	0.08
778	Motor Coaches	1.39	1.22	22.76	3.47	0.03	0.72	0.71	0.53	0.05	0.06
779	Diesel Other Buses (OB)	1.94	1.70	27.96	3.72	0.03	1.36	1.34	1.02	0.09	0.12
780	Motor Homes (MH)	0.96	0.76	7.72	16.22	0.06	0.73	0.72	0.37	0.14	0.09
<b>Total On-Road Motor Vehicles</b>		<b>1114.28</b>	<b>898.63</b>	<b>2403.44</b>	<b>8720.58</b>	<b>17.34</b>	<b>250.12</b>	<b>245.43</b>	<b>117.37</b>	<b>139.57</b>	<b>39.30</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	19.88	16.66	310.55	65.80	0.22	6.00	6.00	5.49	0.13	0.36
833	Ocean Going Vessels	200.75	167.90	2755.75	288.35	368.65	87.60	87.60	80.30	3.65	518.05
835	Commercial Harbor Crafts	27.76	23.32	229.45	152.86	0.03	7.41	7.41	6.82	0.00	0.15
840	Recreational Boats	237.47	203.51	64.00	915.16	0.09	14.57	13.11	9.91	0.12	30.86
850	Off-Road Recreational Vehicles	11.95	11.88	0.06	3.03	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	520.73	452.20	1369.33	6204.76	1.08	56.99	55.18	48.29	2.70	38.56
870	Farm Equipment	0.32	0.28	0.96	3.41	0.00	0.06	0.06	0.06	0.00	0.02
890	Fuel Storage and Handling	56.56	56.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>1075.42</b>	<b>932.09</b>	<b>4730.10</b>	<b>7633.37</b>	<b>370.07</b>	<b>172.63</b>	<b>169.36</b>	<b>150.87</b>	<b>6.60</b>	<b>588.00</b>
Total Stationary and Area Sources		10481.07	3810.91	3480.66	2282.83	1049.58	2530.09	1681.69	1054.82	840.21	937.65
Total On-Road Vehicles		1114.28	898.63	2403.44	8720.58	17.34	250.12	245.43	117.37	139.57	39.30
Total Other Mobile		1075.42	932.09	4730.10	7633.37	370.07	172.63	169.36	150.87	6.60	588.00
<b>Total</b>		<b>12670.77</b>	<b>5641.63</b>	<b>10614.20</b>	<b>18636.78</b>	<b>1436.99</b>	<b>2952.84</b>	<b>2096.48</b>	<b>1323.06</b>	<b>986.38</b>	<b>1564.95</b>

2024 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Fuel Combustion											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.24	0.23	0.12	1.30	0.00	0.20	0.14	0.08	2.67	0.00
30	Oil and Gas Production (combustion)	33.86	4.15	22.55	30.11	0.35	2.65	2.62	2.60	5.08	0.84
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	64.77
50	Manufacturing and Industrial	378.22	74.71	199.56	313.59	4.23	22.31	22.06	21.88	26.93	10.00
52	Food and Agricultural Processing	0.10	0.04	0.93	0.26	0.00	0.06	0.06	0.06	0.14	0.00
60	Service and Commercial	150.94	47.52	98.04	177.12	9.94	26.05	25.95	25.91	41.27	1.59
99	Other (Fuel Combustion)	669.26	119.56	33.67	154.30	0.67	128.78	126.64	124.94	154.30	0.16
Total Fuel Combustion		1880.22	462.51	357.39	1341.39	15.35	477.21	463.81	456.95	366.57	77.36
Waste Disposal											
110	Sewage Treatment	15.29	10.95	0.00	0.00	0.00	0.01	0.00	0.00	1.60	0.00
120	Landfills	1307.04	18.30	0.00	0.00	0.00	0.00	0.00	0.00	15.08	0.00
130	Incineration	62.48	11.93	290.32	60.52	19.92	43.94	14.61	10.42	31.32	27.53
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	1325.28	106.31	0.00	0.25	0.06	0.13	0.13	0.13	19.94	0.00
Total Waste Disposal		2710.09	147.49	290.32	60.77	19.98	44.09	14.74	10.55	67.94	27.53
Cleaning and Surface Coatings											
210	Laundering	23.46	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	757.04	139.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	253.10	248.03	0.00	0.00	0.00	21.56	20.70	19.95	0.90	0.00
240	Printing	27.98	27.98	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.00
250	Adhesives and Sealants	52.88	46.05	0.00	0.00	0.00	6.06	5.82	5.61	0.00	0.00
299	Other (Cleaning and Surface Coatings)	79.75	48.00	0.00	1.17	0.00	1.65	1.58	1.53	0.67	0.00
Total Cleaning and Surface Coatings		1194.22	510.73	0.00	1.17	0.00	29.28	28.11	27.09	3.60	0.00
Petroleum Production and Marketing											
310	Oil and Gas Production	521.38	218.26	0.87	2.23	7.59	10.06	6.14	5.59	6.75	0.00
320	Petroleum Refining	1017.85	715.28	80.31	280.13	47.80	490.51	332.93	223.24	11.02	6.25
330	Petroleum Marketing	1520.08	222.92	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399	Other (Petroleum Production and Marketing)	3.45	2.73	0.99	1.79	0.01	0.01	0.01	0.01	0.00	0.00
Total Petroleum Production and Marketing		3062.76	1159.19	82.17	284.14	55.40	500.59	339.10	228.86	17.79	6.25
Industrial Processes											
410	Chemical	95.08	74.81	9.11	59.05	20.78	44.37	37.89	34.88	0.09	0.66
420	Food and Agriculture	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	17.22	14.55	1.25	29.05	0.80	29.24	25.29	15.04	2.83	0.03
440	Metal Processes	0.05	0.04	0.01	0.00	0.00	3.27	2.73	2.22	0.01	152.58
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	88.36	61.85	37.11	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	488.17	438.08	3.58	5.54	0.04	32.52	24.06	19.16	124.00	0.01
Total Industrial Processes		603.74	530.70	13.95	93.63	21.62	197.76	151.82	108.40	126.92	153.27
Solvent Evaporation											
510	Consumer Products	1049.58	868.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	124.93	117.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	7.63	7.63	0.00	0.00	0.00	0.00	0.00	0.00	3.46	0.00
540	Asphalt Paving/Roofing	8.26	7.36	0.00	0.00	0.00	0.26	0.25	0.24	0.00	0.00
Total Solvent Evaporation		1190.40	1001.53	0.00	0.00	0.00	0.26	0.25	0.24	3.46	0.00

(Continued)

2024 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	203.12	88.80	115.99	488.25	4.47	74.64	70.72	68.62	1.29	2.04
620	Farming Operations	9.03	0.72	0.00	0.00	0.00	0.28	0.13	0.02	2.80	0.03
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	501.39	245.18	24.57	0.00	558.55
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	700.41	320.09	48.33	0.00	173.70
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	7.48	4.44	0.44	0.00	1.95
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.15	0.09	0.01	0.00	0.27
660	Fires	3.71	2.49	0.77	30.45	0.00	5.35	5.25	4.96	0.00	0.73
670	Waste Burning and Disposal	0.04	0.02	0.01	0.25	0.00	0.03	0.03	0.03	0.00	0.00
690	Cooking	24.97	17.45	0.00	0.00	0.00	105.69	105.69	105.69	0.00	29.48
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	265.75	0.00
	RECLAIM			2032.40		1092.10					
<b>Total Miscellaneous Processes</b>		<b>240.87</b>	<b>109.48</b>	<b>2149.17</b>	<b>518.95</b>	<b>1096.57</b>	<b>1395.42</b>	<b>751.62</b>	<b>252.67</b>	<b>269.84</b>	<b>766.75</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	192.01	177.87	125.45	2018.82	5.94	108.97	106.82	44.31	47.73	48.22
722	Light Duty Trucks 1 (T1)	35.88	33.15	23.80	276.86	0.58	9.16	8.97	3.79	4.73	1.64
723	Light Duty Trucks 2 (T2)	117.80	108.83	88.12	1061.02	2.84	41.80	40.97	17.02	27.97	7.10
724	Medium Duty Trucks (T3)	82.68	76.03	64.12	694.36	2.00	24.02	23.54	9.82	23.74	4.09
732	Light Heavy Duty Gas Trucks 1 (T4)	10.51	10.01	9.01	35.80	0.19	2.11	2.07	0.87	1.27	0.28
733	Light Heavy Duty Gas Trucks 2 (T5)	3.00	2.87	2.88	9.59	0.07	0.75	0.73	0.31	0.31	0.10
734	Medium Heavy Duty Gas Trucks (T6)	3.12	2.80	4.46	27.55	0.15	1.36	1.33	0.56	0.41	0.17
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.75	0.55	4.30	36.65	0.02	0.09	0.09	0.04	0.05	0.02
742	Light Heavy Duty Diesel Trucks 1 (T4)	3.06	2.68	40.38	9.30	0.13	3.12	3.07	1.48	0.09	0.38
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.55	1.36	20.00	4.70	0.07	1.83	1.80	0.89	0.05	0.21
744	Medium Heavy Duty Diesel Truck (T6)	0.97	0.85	157.72	7.73	0.56	9.79	9.62	4.21	1.69	1.11
746	Heavy Heavy Duty Diesel Trucks (HHD)	26.53	10.27	557.84	116.48	1.51	13.03	12.88	5.83	2.89	2.03
750	Motorcycles (MCY)	100.20	86.73	27.25	467.23	0.05	0.43	0.41	0.20	0.19	0.16
760	Diesel Urban Buses (UB)	57.73	0.81	4.30	300.92	0.00	0.66	0.65	0.26	0.01	0.11
762	Gas Urban Buses (UB)	0.22	0.19	0.88	2.27	0.06	0.45	0.44	0.18	0.13	0.06
771	Gas School Buses (SB)	0.53	0.39	0.50	4.17	0.01	0.84	0.82	0.35	0.05	0.09
772	Diesel School Buses (SB)	0.37	0.32	22.22	1.05	0.02	1.60	1.57	0.72	0.05	0.17
777	Gas Other Buses (OB)	1.81	1.63	2.84	14.69	0.08	0.71	0.70	0.29	0.21	0.09
778	Motor Coaches	0.18	0.16	9.18	1.45	0.03	0.39	0.38	0.18	0.06	0.04
779	Diesel Other Buses (OB)	0.06	0.06	11.01	0.51	0.04	0.68	0.67	0.30	0.11	0.08
780	Motor Homes (MH)	0.32	0.26	4.46	3.44	0.06	0.63	0.61	0.29	0.13	0.07
<b>Total On-Road Motor Vehicles</b>		<b>639.28</b>	<b>517.82</b>	<b>1180.72</b>	<b>5094.59</b>	<b>14.41</b>	<b>222.42</b>	<b>218.14</b>	<b>91.90</b>	<b>111.87</b>	<b>66.22</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	14.68	12.29	255.57	69.70	0.24	4.55	4.56	4.18	0.14	0.27
833	Ocean Going Vessels	251.85	211.70	3215.65	361.35	434.35	105.85	105.85	98.55	3.65	591.68
835	Commercial Harbor Crafts	27.90	23.44	205.58	165.32	0.03	6.16	6.16	5.67	0.00	0.12
840	Recreational Boats	172.50	148.27	55.64	884.98	0.10	10.81	9.72	7.35	0.13	22.89
850	Off-Road Recreational Vehicles	11.01	10.95	0.07	3.58	0.00	0.00	0.00	0.00	0.00	0.01
860	Off-Road Equipment	482.71	417.26	1011.61	6817.42	1.27	39.07	37.26	31.74	3.44	38.71
870	Farm Equipment	0.22	0.19	0.68	3.46	0.00	0.05	0.05	0.04	0.00	0.02
890	Fuel Storage and Handling	43.04	42.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>1003.91</b>	<b>866.97</b>	<b>4744.80</b>	<b>8305.81</b>	<b>435.99</b>	<b>166.49</b>	<b>163.60</b>	<b>147.53</b>	<b>7.36</b>	<b>653.70</b>
Total Stationary and Area Sources		10882.29	3921.63	2893.00	2300.06	1208.91	2644.61	1749.45	1084.76	856.13	1031.15
Total On-Road Vehicles		639.28	517.82	1180.72	5094.59	14.41	222.42	218.14	91.90	111.87	66.22
Total Other Mobile		1003.91	866.97	4744.80	8305.81	435.99	166.49	163.60	147.53	7.36	653.70
<b>Total</b>		<b>12525.48</b>	<b>5306.42</b>	<b>8818.52</b>	<b>15700.46</b>	<b>1659.31</b>	<b>3033.52</b>	<b>2131.19</b>	<b>1324.19</b>	<b>975.36</b>	<b>1751.07</b>

## 2029 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.24	0.23	0.12	1.31	0.00	0.20	0.14	0.08	2.70	0.00
30	Oil and Gas Production (combustion)	34.00	4.17	22.65	30.24	0.35	2.66	2.62	2.61	5.11	0.84
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	64.77
50	Manufacturing and Industrial	366.09	74.39	197.75	314.14	4.31	22.08	21.84	21.66	26.44	9.93
52	Food and Agricultural Processing	0.10	0.05	0.95	0.27	0.00	0.06	0.06	0.06	0.14	0.00
60	Service and Commercial	149.42	46.79	97.90	176.15	10.42	26.17	26.06	26.02	40.77	1.56
99	Other (Fuel Combustion)	670.46	120.43	33.90	155.26	0.67	129.69	127.52	125.78	155.79	0.17
<b>Total Fuel Combustion</b>		<b>1867.91</b>	<b>462.36</b>	<b>355.79</b>	<b>1342.08</b>	<b>15.91</b>	<b>478.02</b>	<b>464.58</b>	<b>457.70</b>	<b>367.12</b>	<b>77.27</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	15.69	11.23	0.00	0.00	0.00	0.01	0.00	0.00	1.64	0.00
120	Landfills	1337.93	18.73	0.00	0.00	0.00	0.00	0.00	0.00	15.43	0.00
130	Incineration	65.08	12.41	302.17	62.91	20.57	45.80	15.23	10.87	32.64	28.67
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	1405.71	112.74	0.00	0.25	0.06	0.13	0.13	0.13	20.97	0.00
<b>Total Waste Disposal</b>		<b>2824.41</b>	<b>155.12</b>	<b>302.17</b>	<b>63.16</b>	<b>20.63</b>	<b>45.94</b>	<b>15.37</b>	<b>11.00</b>	<b>70.68</b>	<b>28.67</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	24.09	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	807.57	148.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	261.54	256.33	0.00	0.00	0.00	22.09	21.21	20.44	0.94	0.00
240	Printing	28.84	28.84	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00
250	Adhesives and Sealants	55.77	48.57	0.00	0.00	0.00	6.37	6.12	5.89	0.00	0.00
299	Other (Cleaning and Surface Coatings)	83.72	50.39	0.00	1.25	0.00	1.72	1.65	1.59	0.67	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>1261.53</b>	<b>534.13</b>	<b>0.00</b>	<b>1.25</b>	<b>0.00</b>	<b>30.18</b>	<b>28.98</b>	<b>27.93</b>	<b>3.71</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	523.94	219.35	0.87	2.23	7.63	10.06	6.14	5.59	6.80	0.00
320	Petroleum Refining	1017.86	715.29	80.31	280.13	47.80	490.52	332.94	223.25	11.02	6.25
330	Petroleum Marketing	1471.94	205.50	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399	Other (Petroleum Production and Marketing)	3.58	2.82	1.00	1.79	0.01	0.01	0.01	0.01	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>3017.32</b>	<b>1142.97</b>	<b>82.18</b>	<b>284.14</b>	<b>55.44</b>	<b>500.61</b>	<b>339.11</b>	<b>228.87</b>	<b>17.85</b>	<b>6.25</b>
<b>Industrial Processes</b>											
410	Chemical	99.25	78.18	9.11	62.41	20.78	46.93	40.08	36.89	0.09	0.69
420	Food and Agriculture	3.29	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	17.43	14.71	1.25	30.44	0.83	30.11	26.03	15.47	2.97	0.03
440	Metal Processes	0.05	0.04	0.01	0.00	0.00	3.43	2.86	2.34	0.01	160.86
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	92.21	64.55	38.73	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	493.73	442.77	3.69	5.85	0.04	33.67	24.96	19.89	124.02	0.01
<b>Total Industrial Processes</b>		<b>613.75</b>	<b>538.99</b>	<b>14.05</b>	<b>98.70</b>	<b>21.65</b>	<b>206.35</b>	<b>158.48</b>	<b>113.31</b>	<b>127.09</b>	<b>161.58</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	1055.83	874.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	125.86	118.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	7.74	7.74	0.00	0.00	0.00	0.00	0.00	0.00	3.46	0.00
540	Asphalt Paving/Roofing	8.56	7.62	0.00	0.00	0.00	0.27	0.26	0.25	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>1197.99</b>	<b>1008.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.27</b>	<b>0.26</b>	<b>0.25</b>	<b>3.46</b>	<b>0.00</b>

(Continued)

## 2029 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach

CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	202.83	88.68	104.00	487.20	4.49	74.43	70.52	68.41	1.29	2.05
620	Farming Operations	9.03	0.72	0.00	0.00	0.00	0.28	0.13	0.02	2.80	0.03
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	519.15	253.86	25.44	0.00	578.33
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	689.85	315.26	47.60	0.00	171.08
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	7.48	4.44	0.44	0.00	1.95
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.15	0.09	0.01	0.00	0.27
660	Fires	3.66	2.46	0.76	29.91	0.00	5.32	5.22	4.92	0.00	0.73
670	Waste Burning and Disposal	0.04	0.02	0.01	0.25	0.00	0.03	0.03	0.03	0.00	0.00
690	Cooking	25.64	17.92	0.00	0.00	0.00	108.52	108.52	108.52	0.00	30.27
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	266.32	0.00
	RECLAIM			2032.40		1092.10					
<b>Total Miscellaneous Processes</b>		<b>241.20</b>	<b>109.80</b>	<b>2137.17</b>	<b>517.36</b>	<b>1096.59</b>	<b>1405.21</b>	<b>758.07</b>	<b>255.39</b>	<b>270.41</b>	<b>784.71</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	147.84	138.71	99.45	1730.52	5.45	107.72	105.68	43.30	43.78	17.41
722	Light Duty Trucks 1 (T1)	24.06	22.51	15.38	202.78	0.54	8.94	8.76	3.63	4.26	1.50
723	Light Duty Trucks 2 (T2)	94.07	87.97	64.00	919.94	2.62	42.30	41.49	17.04	27.46	6.93
724	Medium Duty Trucks (T3)	60.73	56.75	40.90	539.14	1.78	23.46	23.01	9.47	22.31	3.84
732	Light Heavy Duty Gas Trucks 1 (T4)	7.32	7.04	5.97	24.18	0.16	1.80	1.77	0.74	0.93	0.24
733	Light Heavy Duty Gas Trucks 2 (T5)	2.18	2.09	2.27	8.05	0.07	0.75	0.74	0.31	0.28	0.10
734	Medium Heavy Duty Gas Trucks (T6)	2.58	2.35	3.24	21.63	0.16	1.43	1.40	0.58	0.42	0.18
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.61	0.44	4.21	40.70	0.02	0.11	0.11	0.04	0.05	0.02
742	Light Heavy Duty Diesel Trucks 1 (T4)	3.17	2.78	25.03	9.02	0.14	3.43	3.38	1.60	0.10	0.42
743	Light Heavy Duty Diesel Trucks 2 (T5)	1.66	1.46	13.42	4.74	0.08	2.10	2.07	1.02	0.05	0.24
744	Medium Heavy Duty Diesel Truck (T6)	1.16	1.02	195.97	9.45	0.60	10.99	10.79	4.75	1.87	1.25
746	Heavy Heavy Duty Diesel Trucks (HHD)	32.90	12.16	665.66	144.19	1.64	15.23	15.06	6.89	3.29	2.36
750	Motorcycles (MCY)	101.92	87.96	29.66	489.97	0.06	0.44	0.42	0.20	0.19	0.16
760	Diesel Urban Buses (UB)	51.29	0.72	3.84	257.38	0.00	0.55	0.54	0.21	0.01	0.09
762	Gas Urban Buses (UB)	0.24	0.21	1.12	2.65	0.06	0.48	0.47	0.20	0.14	0.06
771	Gas School Buses (SB)	0.63	0.46	0.49	4.79	0.01	0.99	0.97	0.42	0.06	0.10
772	Diesel School Buses (SB)	0.30	0.26	18.46	1.09	0.02	1.60	1.57	0.70	0.05	0.17
777	Gas Other Buses (OB)	1.84	1.69	2.38	12.98	0.08	0.74	0.73	0.30	0.22	0.09
778	Motor Coaches	0.23	0.20	10.99	1.80	0.04	0.43	0.42	0.20	0.07	0.05
779	Diesel Other Buses (OB)	0.08	0.07	13.43	0.61	0.04	0.75	0.74	0.34	0.13	0.09
780	Motor Homes (MH)	0.21	0.17	4.08	1.63	0.05	0.62	0.61	0.28	0.13	0.07
<b>Total On-Road Motor Vehicles</b>		<b>535.02</b>	<b>427.02</b>	<b>1219.95</b>	<b>4427.24</b>	<b>13.62</b>	<b>224.86</b>	<b>220.73</b>	<b>92.22</b>	<b>105.80</b>	<b>35.37</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	12.21	10.23	207.53	72.29	0.25	3.73	3.74	3.43	0.15	0.22
833	Ocean Going Vessels	299.30	251.85	3723.00	430.70	489.10	120.45	120.45	113.15	3.65	652.17
835	Commercial Harbor Crafts	27.29	22.93	196.26	167.47	0.03	5.72	5.72	5.26	0.00	0.11
840	Recreational Boats	137.77	118.64	51.45	879.89	0.09	8.75	7.88	5.95	0.13	18.53
850	Off-Road Recreational Vehicles	10.00	9.94	0.08	3.85	0.00	0.00	0.00	0.00	0.00	0.01
860	Off-Road Equipment	494.64	426.81	960.11	7244.51	1.39	36.16	34.35	29.07	4.10	38.78
870	Farm Equipment	0.19	0.16	0.54	3.54	0.00	0.04	0.04	0.03	0.00	0.02
890	Fuel Storage and Handling	37.18	37.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>1018.58</b>	<b>877.59</b>	<b>5138.97</b>	<b>8802.25</b>	<b>490.86</b>	<b>174.85</b>	<b>172.18</b>	<b>156.89</b>	<b>8.03</b>	<b>709.84</b>
Total Stationary and Area Sources		11024.11	3951.49	2891.37	2306.70	1210.21	2666.58	1764.84	1094.44	860.32	1058.48
Total On-Road Vehicles		535.02	427.02	1219.95	4427.24	13.62	224.86	220.73	92.22	105.80	35.37
Total Other Mobile		1018.58	877.59	5138.97	8802.25	490.86	174.85	172.18	156.89	8.03	709.84
<b>Total</b>		<b>12577.71</b>	<b>5256.10</b>	<b>9250.29</b>	<b>15536.19</b>	<b>1714.69</b>	<b>3066.29</b>	<b>2157.75</b>	<b>1343.55</b>	<b>974.15</b>	<b>1803.69</b>

2017 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	0.21	0.01	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	193.16	57.00	0.00	0.00	3.77	2.13	0.00	4457.59	3.46	0.00	1.19	0.00	0.00	7.06	0.00	0.01	0.00	31.39	0.08	0.00	0.80	0.00
40	Petroleum Refining (Combustion)	2229.28	339.10	0.00	0.00	0.02	0.01	0.00	12796.64	0.04	0.00	0.01	0.00	0.00	32.22	0.00	31.69	4.15	275.37	29.70	7.65	64.77	0.00
50	Manufacturing and Industrial	2259.91	27.88	0.00	0.00	0.28	0.15	0.00	11799.92	0.12	0.00	0.09	0.00	0.00	6.09	0.00	1.79	0.15	13.44	1.61	0.14	10.15	0.00
52	Food and Agricultural Processing	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	6871.00	12.18	0.00	0.00	0.01	0.01	0.00	16744.98	0.01	0.00	0.00	0.00	0.00	4.56	0.00	0.04	0.00	4.41	0.05	0.00	1.68	0.00
99	Other (Fuel Combustion)	162.88	20.97	0.00	0.00	1.58	0.15	0.00	7881.59	4.58	9.09	0.09	0.00	0.00	3.87	0.27	4.99	0.56	5.94	3.87	0.00	0.17	650.00
Total Fuel Combustion		11725.92	457.13	0.00	0.00	5.66	2.45	0.00	53683.84	8.21	9.09	1.38	0.00	0.00	53.80	0.27	38.51	4.86	330.54	35.31	7.78	77.58	650.00
Waste Disposal																							
110	Sewage Treatment	2.22	0.00	0.00	0.00	0.00	3.75	0.00	0.00	0.00	0.88	0.06	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	518.41	0.00	0.25	0.00	0.00	24.29	0.00	0.00	726.13	369.90	274.26	221.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	8.86	0.01	0.00	0.00	0.00	0.00	0.00	9.96	0.00	0.00	0.00	0.00	0.01	0.82	0.00	6.79	0.03	30.10	1.14	0.57	25.11	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	10.20	0.00	0.00	0.00	0.00	0.00	0.00	69.95	0.00	25.37	0.00	0.86	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		539.69	0.01	0.25	0.00	0.00	28.04	0.00	79.91	726.13	396.15	274.32	224.50	0.01	0.99	0.00	6.79	0.03	30.10	1.14	0.57	25.11	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8192.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65300.54	2076.00	0.00	302.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.04	0.00	0.00	0.00	0.00	0.00	0.00	16.33	0.00	0.00	0.00	0.00	0.00	0.01	0.00	48.93	1.05	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	9.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.27	0.00	0.00	0.00	0.00	0.00	0.00	480.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		10.03	0.00	0.00	0.00	0.00	0.00	0.00	496.41	65478.78	10268.00	0.00	302.13	0.00	0.01	0.00	48.93	1.53	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	3445.38	0.00	0.00	0.00	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00	32.29	0.00	0.00	0.00	0.00
320	Petroleum Refining	2680.92	364.54	0.00	0.00	0.62	0.66	0.00	972.47	0.00	463.79	0.00	0.00	0.00	734.77	0.00	5.08	0.64	38.21	3.45	0.05	6.25	0.00
330	Petroleum Marketing	1884.30	13.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.25	0.00	0.00	0.00	20.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	11.06	0.04	0.00	0.00	0.01	0.00	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		8021.65	378.16	0.00	0.00	0.62	0.66	0.00	988.16	0.00	573.04	0.00	0.00	0.00	756.77	0.00	5.08	0.64	70.50	3.45	0.05	6.25	0.00
Industrial Processes																							
410	Chemical	2185.00	12333.20	0.00	0.00	0.00	0.00	0.93	0.01	0.31	440.26	0.00	0.00	0.00	0.26	0.00	4.80	0.05	5.14	0.10	0.02	0.56	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	6.31	0.00	0.00	0.00	0.00	0.00	0.00	13.49	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.06	0.02	0.00	0.03	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.06	7.85	3.38	0.00	134.00	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	1658.74	49.09	0.00	0.00	0.00	0.00	13.63	4.13	1832.89	582.56	29.05	105.19	0.00	0.65	0.00	0.26	0.99	1.69	0.00	0.00	0.01	0.00
Total Industrial Processes		3850.05	12382.29	0.00	0.00	0.00	0.00	14.56	17.63	1833.20	1022.82	29.05	105.19	0.00	1.04	0.00	7.01	1.10	14.74	3.50	0.02	134.59	0.00
Solvent Evaporation																							
510	Consumer Products	0.13	0.00	0.04	0.00	0.00	0.00	0.00	50.65	39545.34	5588.20	0.00	3295.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	463.60	156.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	47.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		47.49	0.00	0.04	0.00	0.00	0.00	0.00	50.65	40008.94	5744.76	0.00	3295.92	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00



(Continued)																								
2017 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	1766.45	0.00	0.00	0.00	0.00	0.00	0.00	18973.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.03	21.87	1.02	0.00	2.01	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.03	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.50	0.00	51.98	14.98	0.00	490.70	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.13	0.00	16.50	17.88	0.00	170.53	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.55	0.22	0.00	1.95	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.27	0.00
660	Fires	0.00	70.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.03	0.03	0.00	0.73	0.00
670	Waste Burning and Disposal	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	128.52	162.59	0.00	0.00	0.00	0.00	0.00	2441.03	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.35	0.00	6.41	0.35	0.00	27.91	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		1894.97	233.56	0.00	0.00	0.00	0.00	0.00	21414.76	0.00	0.00	0.00	0.00	0.00	3.20	0.00	23.94	0.03	97.39	34.49	0.00	694.13	0.00	
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	17684.38	2252.29	0.00	0.00	0.00	0.00	0.00	8062.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	10.80	119.74	1.88	0.00	19.78	1258.00
722	Light Duty Trucks 1 (T1)	3658.86	380.84	0.00	0.00	0.00	0.00	0.00	1515.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.94	10.38	0.17	0.00	2.09	134.00
723	Light Duty Trucks 2 (T2)	9583.12	1181.18	0.00	0.00	0.00	0.00	0.00	4178.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	3.94	43.74	0.69	0.00	7.39	46.00
724	Medium Duty Trucks (T3)	8187.40	1123.04	0.00	0.00	0.00	0.00	0.00	3944.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	2.52	28.09	0.44	0.00	4.93	200.00
732	Light Heavy Duty Gas Trucks 1 (T4)	967.54	71.35	0.00	0.00	0.00	0.00	0.00	283.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.36	3.95	0.06	0.00	0.47	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	208.02	13.68	0.00	0.00	0.00	0.00	0.00	54.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.03	0.02	0.00	0.11	0.00
734	Medium Heavy Duty Gas Trucks (T6)	330.46	32.36	0.00	0.00	0.00	0.00	0.00	145.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	1.69	0.03	0.00	0.18	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	140.11	12.00	0.00	0.00	0.00	0.00	0.00	76.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.02	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	172.65	16.39	0.00	0.00	0.00	0.00	0.00	1269.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.23	2.58	0.04	0.00	0.34	1590.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	78.64	7.47	0.00	0.00	0.00	0.00	0.00	578.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.13	1.42	0.02	0.00	0.17	764.00
744	Medium Heavy Duty Diesel Truck (T6)	963.32	91.47	0.00	0.00	0.00	0.00	0.00	7083.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.90	9.33	0.16	0.00	0.93	22398.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	2193.69	208.30	0.00	0.00	0.00	0.00	0.00	16130.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.75	7.95	0.13	0.00	1.93	25864.00
750	Motorcycles (MCY)	5549.17	879.97	0.00	0.00	0.00	0.00	0.00	3461.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.41	0.01	0.00	0.15	0.00
760	Diesel Urban Buses (UB)	4183.77	397.26	0.00	0.00	0.00	0.00	0.00	30764.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.88	0.01	0.00	0.17	130.00
762	Gas Urban Buses (UB)	12.82	1.66	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.47	0.01	0.00	0.05	0.00
771	Gas School Buses (SB)	29.47	2.07	0.00	0.00	0.00	0.00	0.00	15.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.77	0.01	0.00	0.06	0.00
772	Diesel School Buses (SB)	18.65	1.77	0.00	0.00	0.00	0.00	0.00	137.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.98	0.03	0.00	0.18	304.00
777	Gas Other Buses (OB)	101.05	10.37	0.00	0.00	0.00	0.00	0.00	45.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.81	0.01	0.00	0.08	0.00
778	Motor Coaches	55.75	5.29	0.00	0.00	0.00	0.00	0.00	409.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.01	0.00	0.06	880.00
779	Diesel Other Buses (OB)	77.60	7.37	0.00	0.00	0.00	0.00	0.00	570.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.62	0.01	0.00	0.12	1726.00
780	Motor Homes (MH)	59.84	5.30	0.00	0.00	0.00	0.00	0.00	62.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.73	0.01	0.00	0.09	260.00
Total On-Road Motor Vehicles		54256.31	6701.43	0.00	0.00	0.00	0.00	0.00	78797.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	21.45	237.00	3.75	0.00	39.30	55554.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	795.44	75.53	0.00	0.00	0.00	0.00	0.00	5849.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.04	0.19	0.05	0.00	0.36	11992.00
833	Ocean Going Vessels	8173.29	673.28	0.00	0.00	0.00	0.00	0.00	52190.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.10	25.20	47.10	499.21	0.00	518.05	81410.01
835	Commercial Harbor Crafts	1110.99	105.49	0.00	0.00	0.00	0.00	0.00	8169.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.04	0.13	0.03	0.00	0.15	14822.00
840	Recreational Boats	14465.89	3451.99	0.00	0.00	0.00	0.00	0.00	12458.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	30.77	0.00	0.00	30.86	60.00
850	Off-Road Recreational Vehicles	156.01	7.25	0.00	0.00	0.00	0.00	0.00	26.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	23538.45	4470.06	0.00	0.00	0.00	0.00	0.00	62341.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.93	38.96	0.15	0.00	38.56	75723.95
870	Farm Equipment	12.76	1.91	0.00	0.00	0.00	0.00	0.00	54.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	108.00
890	Fuel Storage and Handling	621.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		48874.39	8785.51	0.00	0.00	0.00	0.00	0.00	141089.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.53	26.79	117.17	499.44	0.00	588.00	184115.96
Total Stationary and Area Sources		26089.80	13451.15	0.29	0.00	6.29	31.15	14.56	76731.36	108055.27	18013.86	304.75	3927.74</											

2024 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	0.21	0.01	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	201.32	59.44	0.00	0.00	3.93	2.22	0.00	4649.02	3.61	0.00	1.24	0.00	0.00	7.36	0.00	0.01	0.00	32.68	0.09	0.00	0.84	0.00
40	Petroleum Refining (Combustion)	2229.28	339.10	0.00	0.00	0.02	0.01	0.00	12796.64	0.04	0.00	0.01	0.00	0.00	32.22	0.00	31.69	4.15	275.37	29.70	7.65	64.77	0.00
50	Manufacturing and Industrial	2057.04	29.64	0.00	0.00	0.28	0.15	0.00	11581.27	0.12	0.00	0.09	0.00	0.00	6.19	0.00	1.81	0.15	12.90	1.63	0.14	10.00	0.00
52	Food and Agricultural Processing	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	6258.77	13.23	0.00	0.00	0.01	0.01	0.00	15877.10	0.01	0.00	0.00	0.00	0.00	5.00	0.00	0.04	0.00	4.09	0.05	0.00	1.59	0.00
99	Other (Fuel Combustion)	159.52	20.15	0.00	0.00	1.59	0.16	0.00	7809.72	4.61	9.09	0.09	0.00	0.00	4.46	0.27	4.98	0.56	5.93	3.87	0.00	0.16	440.00
Total Fuel Combustion		10916.54	461.56	0.00	0.00	5.84	2.54	0.00	52716.95	8.39	9.09	1.43	0.00	0.00	55.23	0.27	38.53	4.86	330.97	35.33	7.78	77.36	440.00
Waste Disposal																							
110	Sewage Treatment	2.22	0.00	0.00	0.00	0.00	3.75	0.00	0.00	0.00	0.88	0.06	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	535.63	0.00	0.26	0.00	0.00	25.10	0.00	0.00	750.24	382.18	283.37	228.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	9.34	0.02	0.00	0.00	0.00	0.00	0.00	11.56	0.00	0.00	0.00	0.00	0.01	0.90	0.00	7.45	0.03	32.97	1.25	0.62	27.53	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	10.20	0.00	0.00	0.00	0.00	0.00	0.00	69.95	0.00	28.87	0.00	0.98	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		557.39	0.02	0.26	0.00	0.00	28.85	0.00	81.51	750.24	411.93	283.43	231.98	0.01	1.07	0.00	7.45	0.03	32.97	1.25	0.62	27.53	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78581.60	2496.00	0.00	362.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.05	0.00	0.00	0.00	0.00	0.00	0.00	18.14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	53.49	1.17	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.31	0.00	0.00	0.00	0.00	0.00	0.00	526.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		12.06	0.00	0.00	0.00	0.00	0.00	0.00	545.09	78796.17	2496.00	0.00	362.59	0.00	0.01	0.00	53.49	1.64	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	3592.50	0.00	0.00	0.00	0.00	0.00	0.00	8.48	0.00	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00	32.30	0.00	0.00	0.00	0.00
320	Petroleum Refining	2592.39	364.54	0.00	0.00	0.62	0.66	0.00	972.47	0.00	463.79	0.00	0.00	0.00	659.85	0.00	5.08	0.64	38.21	3.45	0.05	6.25	0.00
330	Petroleum Marketing	1566.02	14.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.37	0.00	0.00	0.00	19.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	12.17	0.04	0.00	0.00	0.01	0.00	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		7763.07	378.80	0.00	0.00	0.62	0.66	0.00	988.93	0.00	579.16	0.00	0.00	0.00	681.38	0.00	5.08	0.64	70.51	3.45	0.05	6.25	0.00
Industrial Processes																							
410	Chemical	2555.65	14449.60	0.00	0.00	0.00	0.00	1.14	0.01	0.38	464.92	0.00	0.00	0.00	0.28	0.00	5.62	0.06	6.04	0.10	0.02	0.66	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	7.29	0.00	0.00	0.00	0.00	0.00	0.00	15.57	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.06	0.02	0.00	0.03	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.01	8.94	3.85	0.00	152.58	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	1668.31	49.10	0.00	0.00	0.00	0.00	16.66	4.22	2208.44	601.32	35.50	116.14	0.00	0.65	0.00	0.32	1.21	2.07	0.00	0.00	0.01	0.00
Total Industrial Processes		4231.24	14498.70	0.00	0.00	0.00	0.00	17.79	19.80	2208.82	1066.23	35.50	116.14	0.00	1.09	0.00	8.15	1.28	17.11	3.97	0.02	153.27	0.00
Solvent Evaporation																							
510	Consumer Products	0.14	0.00	0.04	0.00	0.00	0.00	0.00	51.64	40499.80	5734.30	0.00	3376.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	480.94	162.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	53.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		54.04	0.00	0.04	0.00	0.00	0.00	0.00	51.64	40980.74	5896.71	0.00	3376.13	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2024 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	1656.45	0.00	0.00	0.00	0.00	0.00	0.00	18754.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.03	20.52	1.05	0.00	2.04	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.03	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.06	0.00	59.16	17.05	0.00	558.55	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	16.81	18.21	0.00	173.70	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.55	0.22	0.00	1.95	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.27	0.00
660	Fires	0.00	69.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.03	0.03	0.00	0.73	0.00
670	Waste Burning and Disposal	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	135.80	171.79	0.00	0.00	0.00	0.00	0.00	2579.09	0.00	0.00	0.00	0.00	0.00	0.00	3.38	0.00	0.37	0.00	6.77	0.37	0.00	29.48	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		1792.25	242.33	0.00	0.00	0.00	0.00	0.00	21333.88	0.00	0.00	0.00	0.00	0.00	3.38	0.00	26.60	0.03	103.89	36.94	0.00	766.75	0.00	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	8523.92	1084.64	0.00	0.00	0.00	0.00	0.00	3397.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	10.44	115.93	1.81	0.00	48.22	436.00
722	Light Duty Trucks 1 (T1)	1551.61	152.89	0.00	0.00	0.00	0.00	0.00	550.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.87	9.61	0.15	0.00	1.64	56.00
723	Light Duty Trucks 2 (T2)	5219.49	611.76	0.00	0.00	0.00	0.00	0.00	1940.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	4.00	44.43	0.69	0.00	7.10	26.00
724	Medium Duty Trucks (T3)	3740.98	457.12	0.00	0.00	0.00	0.00	0.00	1504.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.30	25.46	0.40	0.00	4.09	124.00
732	Light Heavy Duty Gas Trucks 1 (T4)	399.12	24.49	0.00	0.00	0.00	0.00	0.00	92.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	2.50	0.04	0.00	0.28	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	112.52	7.46	0.00	0.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.90	0.01	0.00	0.10	0.00
734	Medium Heavy Duty Gas Trucks (T6)	150.34	15.43	0.00	0.00	0.00	0.00	0.00	58.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	1.64	0.02	0.00	0.17	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	52.05	3.03	0.00	0.00	0.00	0.00	0.00	26.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.00	0.02	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	122.30	11.61	0.00	0.00	0.00	0.00	0.00	899.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.28	3.09	0.05	0.00	0.38	892.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	61.95	5.88	0.00	0.00	0.00	0.00	0.00	455.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.17	1.83	0.03	0.00	0.21	556.00
744	Medium Heavy Duty Diesel Truck (T6)	38.90	3.69	0.00	0.00	0.00	0.00	0.00	286.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	11.38	0.17	0.00	1.11	876.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	1061.77	100.82	0.00	0.00	0.00	0.00	0.00	7807.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.84	9.58	0.14	0.00	2.03	3982.00
750	Motorcycles (MCY)	5915.66	880.30	0.00	0.00	0.00	0.00	0.00	3602.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.43	0.01	0.00	0.16	0.00
760	Diesel Urban Buses (UB)	2310.43	219.38	0.00	0.00	0.00	0.00	0.00	16989.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.01	0.00	0.11	52.00
762	Gas Urban Buses (UB)	12.78	1.66	0.00	0.00	0.00	0.00	0.00	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.54	0.01	0.00	0.06	0.00
771	Gas School Buses (SB)	38.20	2.75	0.00	0.00	0.00	0.00	0.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.09	0.02	0.00	0.09	0.00
772	Diesel School Buses (SB)	14.73	1.40	0.00	0.00	0.00	0.00	0.00	108.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.96	0.03	0.00	0.17	184.00
777	Gas Other Buses (OB)	86.48	8.73	0.00	0.00	0.00	0.00	0.00	33.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.86	0.01	0.00	0.09	0.00
778	Motor Coaches	7.20	0.68	0.00	0.00	0.00	0.00	0.00	52.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.41	0.01	0.00	0.04	94.00
779	Diesel Other Buses (OB)	2.56	0.24	0.00	0.00	0.00	0.00	0.00	18.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.77	0.01	0.00	0.08	90.00
780	Motor Homes (MH)	17.40	1.12	0.00	0.00	0.00	0.00	0.00	31.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.68	0.01	0.00	0.07	126.00
Total On-Road Motor Vehicles		29440.39	3595.08	0.00	0.00	0.00	0.00	0.00	37906.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	21.06	233.77	3.63	0.00	66.22	7494.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	587.37	55.77	0.00	0.00	0.00	0.00	0.00	4319.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.03	0.15	0.04	0.00	0.27	9108.00
833	Ocean Going Vessels	10217.03	852.73	0.00	0.00	0.00	0.00	0.00	66094.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.79	28.82	53.79	570.16	0.00	591.68	103606.00
835	Commercial Harbor Crafts	1116.52	106.02	0.00	0.00	0.00	0.00	0.00	8210.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.04	0.11	0.02	0.00	0.12	12326.00
840	Recreational Boats	10375.07	2464.10	0.00	0.00	0.00	0.00	0.00	8892.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	22.82	0.00	0.00	22.89	42.00
850	Off-Road Recreational Vehicles	142.86	6.41	0.00	0.00	0.00	0.00	0.00	23.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
860	Off-Road Equipment	22754.93	4390.83	0.00	0.00	0.00	0.00	0.00	60108.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.83	39.18	0.08	0.00	38.71	39227.98
870	Farm Equipment	9.83	1.58	0.00	0.00	0.00	0.00	0.00	40.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	74.00
890	Fuel Storage and Handling	472.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		45676.59	7877.44	0.00	0.00	0.00	0.00	0.00	147688.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.90	30.15	116.08	570.30	0.00	653.70	164383.98
Total Stationary and Area Sources		25326.60	15581.41	0.30	0.00	6.46	32.05	17.79	75737.81	122744.36	10459.13	320.36	4086.84	0.01	742.16	0.27	140.02	8.49	555.45	80.94	8.48	1031.15	440.00	
Total On-Road Vehicles		29440.39	3595.08	0.00	0.00	0.00	0.00	0.00	37906.14	0.00	0.00	0.00	0.00	0										

2029 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																							
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Fuel Combustion																							
10	Electric Utilities	0.21	0.01	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	10.37	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	202.19	59.68	0.00	0.00	3.95	2.23	0.00	4666.99	3.63	0.00	1.24	0.00	0.00	7.39	0.00	0.01	0.00	32.94	0.09	0.00	0.84	0.00
40	Petroleum Refining (Combustion)	2229.28	339.10	0.00	0.00	0.02	0.01	0.00	12796.64	0.04	0.00	0.01	0.00	0.00	32.22	0.00	31.69	4.15	275.37	29.70	7.65	64.77	0.00
50	Manufacturing and Industrial	1981.03	30.31	0.00	0.00	0.28	0.15	0.00	11510.18	0.12	0.00	0.09	0.00	0.00	6.22	0.00	1.82	0.15	12.71	1.63	0.14	9.93	0.00
52	Food and Agricultural Processing	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	6047.52	13.54	0.00	0.00	0.01	0.01	0.00	15520.51	0.01	0.00	0.00	0.00	0.00	5.08	0.00	0.04	0.00	3.99	0.05	0.00	1.56	0.00
99	Other (Fuel Combustion)	163.21	20.26	0.00	0.00	1.60	0.16	0.00	7819.24	4.61	9.09	0.09	0.00	0.00	4.67	0.27	4.98	0.56	5.93	3.87	0.00	0.17	440.00
Total Fuel Combustion		10633.93	462.89	0.00	0.00	5.86	2.55	0.00	52316.77	8.41	9.09	1.44	0.00	0.00	55.59	0.27	38.54	4.86	330.93	35.33	7.78	77.27	440.00
Waste Disposal																							
110	Sewage Treatment	2.22	0.00	0.00	0.00	0.00	3.75	0.00	0.00	0.00	0.88	0.06	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	548.28	0.00	0.27	0.00	0.00	25.69	0.00	0.00	767.97	391.21	290.06	234.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	9.55	0.02	0.00	0.00	0.00	0.00	0.00	12.13	0.00	0.00	0.00	0.00	0.01	0.94	0.00	7.75	0.03	34.34	1.30	0.65	28.67	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	10.20	0.00	0.00	0.00	0.00	0.00	0.00	69.95	0.00	29.91	0.00	1.01	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Waste Disposal		570.25	0.02	0.27	0.00	0.00	29.44	0.00	82.08	767.97	422.00	290.12	237.42	0.01	1.11	0.00	7.75	0.03	34.34	1.30	0.65	28.67	0.00
Cleaning and Surface Coatings																							
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83828.82	2664.00	0.00	385.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.05	0.00	0.00	0.00	0.00	0.00	0.00	18.62	0.00	0.00	0.00	0.00	0.00	0.01	0.00	54.75	1.20	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	12.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.33	0.00	0.00	0.00	0.00	0.00	0.00	558.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00
Total Cleaning and Surface Coatings		12.86	0.00	0.00	0.00	0.00	0.00	0.00	577.19	84057.73	2664.00	0.00	385.56	0.00	0.01	0.00	54.75	1.68	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing																							
310	Oil and Gas Production	3608.52	0.00	0.00	0.00	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00	32.30	0.00	0.00	0.00	0.00
320	Petroleum Refining	2592.43	364.54	0.00	0.00	0.62	0.66	0.00	972.47	0.00	463.79	0.00	0.00	0.00	659.85	0.00	5.08	0.64	38.21	3.45	0.05	6.25	0.00
330	Petroleum Marketing	1371.16	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.98	0.00	0.00	0.00	19.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	12.62	0.04	0.00	0.00	0.01	0.00	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Petroleum Production and Marketing		7584.73	379.18	0.00	0.00	0.62	0.66	0.00	989.21	0.00	582.77	0.00	0.00	0.00	681.07	0.00	5.08	0.64	70.52	3.45	0.05	6.25	0.00
Industrial Processes																							
410	Chemical	2669.84	15101.60	0.00	0.00	0.00	0.00	1.21	0.01	0.40	479.44	0.00	0.00	0.00	0.28	0.00	5.87	0.06	6.32	0.10	0.02	0.69	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	7.59	0.00	0.00	0.00	0.00	0.00	0.00	16.22	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.06	0.02	0.00	0.03	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.01	9.42	4.06	0.00	160.86	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	1673.29	49.11	0.00	0.00	0.00	0.00	17.71	4.25	2340.85	615.10	37.74	120.79	0.00	0.65	0.00	0.34	1.29	2.20	0.00	0.00	0.01	0.00
Total Industrial Processes		4350.72	15150.71	0.00	0.00	0.00	0.00	18.92	20.48	2341.25	1094.54	37.74	120.79	0.00	1.10	0.00	8.54	1.36	18.00	4.18	0.02	161.58	0.00
Solvent Evaporation																							
510	Consumer Products	0.14	0.00	0.04	0.00	0.00	0.00	0.00	51.69	40885.11	5796.56	0.00	3408.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	484.22	163.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	55.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00
Total Solvent Evaporation		55.96	0.00	0.04	0.00	0.00	0.00	0.00	51.69	41369.33	5960.08	0.00	3408.59	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00

(Continued)																								
2029 Toxic Emissions by Major Source Category in Wilmington, Carson, West Long Beach (lbs/year)																								
CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH ( Benzo(a)pyrene )	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)	
Miscellaneous Process																								
610	Residential Fuel Combustion	1632.69	0.00	0.00	0.00	0.00	0.00	0.00	18707.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.03	20.23	1.06	0.00	2.05	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.03	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.80	0.00	61.26	17.65	0.00	578.33	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14	0.00	16.56	17.94	0.00	171.08	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.55	0.22	0.00	1.95	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.27	0.00
660	Fires	0.00	68.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.03	0.03	0.00	0.73	0.00
670	Waste Burning and Disposal	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	139.43	176.39	0.00	0.00	0.00	0.00	0.00	2648.01	0.00	0.00	0.00	0.00	0.00	0.00	3.47	0.00	0.38	0.00	6.96	0.38	0.00	30.27	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Miscellaneous Processes		1772.12	246.06	0.00	0.00	0.00	0.00	0.00	21355.89	0.00	0.00	0.00	0.00	0.00	0.00	3.47	0.00	27.29	0.03	105.64	37.29	0.00	784.71	0.00
On-Road Motor Vehicles																								
710	Light Duty Passenger Auto (LDA)	6268.45	788.29	0.00	0.00	0.00	0.00	0.00	2338.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	10.36	115.18	1.78	0.00	17.41	222.00
722	Light Duty Trucks 1 (T1)	998.16	100.19	0.00	0.00	0.00	0.00	0.00	330.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.85	9.49	0.15	0.00	1.50	22.00
723	Light Duty Trucks 2 (T2)	3987.23	463.94	0.00	0.00	0.00	0.00	0.00	1398.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	4.06	45.15	0.70	0.00	6.93	26.00
724	Medium Duty Trucks (T3)	2578.00	305.41	0.00	0.00	0.00	0.00	0.00	969.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	2.25	25.01	0.39	0.00	3.84	94.00
732	Light Heavy Duty Gas Trucks 1 (T4)	265.86	15.48	0.00	0.00	0.00	0.00	0.00	53.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	2.13	0.03	0.00	0.24	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	81.41	5.66	0.00	0.00	0.00	0.00	0.00	18.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.91	0.01	0.00	0.10	0.00
734	Medium Heavy Duty Gas Trucks (T6)	121.85	13.87	0.00	0.00	0.00	0.00	0.00	46.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	1.72	0.03	0.00	0.18	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	44.78	2.68	0.00	0.00	0.00	0.00	0.00	23.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.00	0.02	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	126.90	12.05	0.00	0.00	0.00	0.00	0.00	933.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.31	3.46	0.06	0.00	0.42	870.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	66.35	6.30	0.00	0.00	0.00	0.00	0.00	487.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19	2.07	0.03	0.00	0.24	674.00
744	Medium Heavy Duty Diesel Truck (T6)	46.50	4.42	0.00	0.00	0.00	0.00	0.00	341.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	12.68	0.19	0.00	1.25	1082.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	1316.78	125.03	0.00	0.00	0.00	0.00	0.00	9682.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.97	11.03	0.16	0.00	2.36	4918.00
750	Motorcycles (MCY)	6038.75	899.71	0.00	0.00	0.00	0.00	0.00	3659.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.43	0.01	0.00	0.16	0.00
760	Diesel Urban Buses (UB)	2052.46	194.89	0.00	0.00	0.00	0.00	0.00	15092.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.48	0.01	0.00	0.09	42.00
762	Gas Urban Buses (UB)	14.19	1.96	0.00	0.00	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.58	0.01	0.00	0.06	0.00
771	Gas School Buses (SB)	44.79	3.26	0.00	0.00	0.00	0.00	0.00	23.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.29	0.02	0.00	0.10	0.00
772	Diesel School Buses (SB)	11.89	1.13	0.00	0.00	0.00	0.00	0.00	87.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	2.00	0.03	0.00	0.17	134.00
777	Gas Other Buses (OB)	82.80	8.63	0.00	0.00	0.00	0.00	0.00	29.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.90	0.01	0.00	0.09	0.00
778	Motor Coaches	9.16	0.87	0.00	0.00	0.00	0.00	0.00	67.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.45	0.01	0.00	0.05	112.00
779	Diesel Other Buses (OB)	3.08	0.29	0.00	0.00	0.00	0.00	0.00	22.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.85	0.01	0.00	0.09	110.00
780	Motor Homes (MH)	10.48	0.74	0.00	0.00	0.00	0.00	0.00	28.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.68	0.01	0.00	0.07	106.00
Total On-Road Motor Vehicles		24169.87	2954.80	0.00	0.00	0.00	0.00	0.00	35643.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	21.26	236.60	3.65	0.00	35.37	8412.00
Other Mobile Sources																								
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	488.64	46.40	0.00	0.00	0.00	0.00	0.00	3593.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.02	0.12	0.03	0.00	0.22	7470.00
833	Ocean Going Vessels	12146.71	1023.94	0.00	0.00	0.00	0.00	0.00	79358.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.29	31.80	59.29	628.45	0.00	652.17	124406.00
835	Commercial Harbor Crafts	1092.22	103.71	0.00	0.00	0.00	0.00	0.00	8031.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.03	0.10	0.02	0.00	0.11	11438.00
840	Recreational Boats	8216.49	1944.64	0.00	0.00	0.00	0.00	0.00	7018.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	18.48	0.00	0.00	18.53	36.00
850	Off-Road Recreational Vehicles	131.59	6.36	0.00	0.00	0.00	0.00	0.00	22.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
860	Off-Road Equipment	23447.73	4492.00	0.00	0.00	0.00	0.00	0.00	64215.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.82	39.29	0.07	0.00	38.78	33153.98
870	Farm Equipment	8.56	1.44	0.00	0.00	0.00	0.00	0.00	32.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	58.00
890	Fuel Storage and Handling	408.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Other Mobile Sources		45940.54	7618.49	0.00	0.00	0.00	0.00	0.00	162273.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.08	33.02	117.31	628.57	0.00	709.84	176561.98
Total Stationary and Area Sources		24980.56	16238.85	0.31	0.00	6.48	32.65	18.92	75393.31	128544.69	10732.48	329.30	4152.36	0.01	742.35	0.27								

---

# APPENDIX 4:

## ENFORCEMENT SUMMARY

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 4: Enforcement

### Authority and Legal Right to Issue Violations and Penalties

CARB and South Coast AQMD both have authority to conduct inspections of alleged air pollution sources, and the right to issue notices of violations that can lead to civil and criminal penalties. ~~CARB civil~~ Civil penalties can be up to \$250,000 per day; ~~South Coast AQMD civil penalties can be up to \$75,000 per day~~ for individuals and up to \$1,000,000 per day for corporations.<sup>i</sup> In cases with potential criminal violations, South Coast AQMD's ~~Office of Compliance and Enforcement (OCE)~~ may refer matters to federal, state, and local prosecuting agencies. Inspection warrants also may be obtained if necessary when access to facilities or potential emissions sites is denied.

### South Coast AQMD Hearing Board

The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances and to order businesses to take specific actions to come into compliance with regulations. As state law requires, Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board.

The Hearing Board is authorized to hear:

- Petitions by companies for variances.
- Petitions for abatement orders. An abatement order requires a company operating out of compliance to take specific actions or to shut down its operation. This is a severe remedy normally reserved for serious violations ~~orders~~.
- Appeals by companies ~~from the~~ regarding granting of permits, permit conditions, permit denials and suspensions, denials of emission reduction credits, and denials of pollution control plans.
- Appeals by third parties.

The Hearing Board is not authorized to:

- Modify rules.
- Exempt a business from complying with a rule.
- Grant a variance from a violation of the public nuisance law, such as one that creates an odor problem or threatens public health or property.
- Review a violation notice in any way.

<sup>i</sup> Fines and penalties are cited at the maximum amounts for willful and intentional emissions of air contaminants that results in great bodily harm or death. See Health and Safety Code § 42402.3(c);

CARB website: [www.arb.ca.gov/enf/policy2017/final\\_enforcement\\_policy\\_october2017.pdf](http://www.arb.ca.gov/enf/policy2017/final_enforcement_policy_october2017.pdf)

South Coast AQMD website: [www.aqmd.gov/nav/about/authority/enforcement](http://www.aqmd.gov/nav/about/authority/enforcement)



After hearing all sides of a case in which individuals or companies come into conflict with South Coast AQMD rules, the Hearing Board weighs the evidence and reaches a decision.

The following sections contain information regarding the compliance histories of facilities regulated by South Coast AQMD and CARB in this community. South Coast AQMD's section includes a list of all active facilities with active or expired permits, a summary of all complaints received, a list of all inspections conducted, and a list of all enforcement actions taken. CARB's section includes: lists of individual field inspections in 2016, 2017, and 2018 and an enforcement activities map.

## South Coast AQMD Compliance History in WCWLB, January 2016 to December 2018

List of All Active Facilities with Active or Expired Permits in June 2019

This table contains all of the facilities that are considered active and have valid or expired permits. Expired permits are included to ensure that any facilities that are still in operation but had not paid fees at the time of the query were still included.

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
3777+ PARTNERS LP, HOWARD CDM	164098	3745 LONG BEACH BLVD. #150, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	236115	New single-family housing construction (except for-sale builders)
4 ST. ARS AUTO DISM & SALES	126287	921 N. HENRY FORD AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423930	Recyclable material merchant wholesalers
555 OCEAN, LP C/O JAMISON SERVICES, INC	160023	555 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
A & A READY MIXED CONCRETE INC	21665	134 W. REDONDO BEACH BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	327320	Ready-mix concrete manufacturing
A & A READY MIXED CONCRETE INC	38429	100 E. REDONDO BEACH BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	327320	Ready-mix concrete manufacturing
A & A READY MIXED CONCRETE INC	150574	900 E. PATTERSON, SIGNAL HILL 90755	Ts-11 industrial: sector-based inspections	327320	Ready-mix concrete manufacturing
A AND B AUTO REPAIR AND BODY SHOP	183380	16220 S. VERMONT AVE., GARDENA 90247	Ts-11 industrial: sector-based inspections	811111	General automotive repair
A AND B AUTO REPAIR AND PAINT	145121	16220 S. VERMONT AVE. , GARDENA 90247	Ts-11 industrial: sector-based inspections	811111	General automotive repair
A.J. EDMOND CO-JEFFREY G. ROLLE	107620	1281 PIER G E ST., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	541712	Research and development in the physical, engineering, and life sciences (except biotechnology)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
A1 SHB ENVIRONMENTAL INC	163970	710 S. CLYMAR AVE., COMPTON 90220	Ts-72 toxics: asbestos removal contractors	541620	Environmental consulting services
ABB, INC.	158751	23831 S. BANNING BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
ABC ARCO FA CHAI CORP	170522	810 W. SEPULVEDA BLVD. , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ABZ, INC. DBA ARCO AM/PM	150408	6001 N. LONG BEACH BLVD. , LONG BEACH 90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445120	Convenience stores
ACCU CROME PLATING CO INC	5137	115 W. 154TH ST. , GARDENA 90248	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
ACE CLEAR WATER ENTERPRISES	71553	19815 MAGELLAN DR, TORRANCE 90502	Ts-11 industrial: sector-based inspections	336413	Other aircraft parts and auxiliary equipment manufacturing
ACE WELDING & IRONWORKS, INC.	165667	15514 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
ACES COLLISION CENTER INC	182076	16116 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
ACME AUTO HEAD LINING CO	124314	550 W. 16TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	336390	Other motor vehicle parts manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ACX PACIFIC NORTHWEST, INC.	175581	920 E. PACIFIC COAST. HWY, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	424910	Farm supplies merchant wholesalers
ADVANTECH OF CA LLC CIRCLE DRY CLEANERS	182184	20626 BELSHAW AVE., CARSON 90746	Ts-11 industrial: sector-based inspections	812310	Coin-operated laundries and drycleaners
AEON MFG CO INC	18917	929 W. 253RD ST. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	327991	Cut stone and stone product manufacturing
AFTER HOURS AUTOMOTIVE	149355	317 N. EUBANK AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811122	Automotive glass replacement shops
AG-FUME SERVICE INC	101667	1408 PIER F, LONG BEACH 90802	Ts-56 toxics: toxic stationary source	561710	Exterminating and pest control services
AIR PROD & CHEM INC	3417	23300 S. ALAMEDA ST. , CARSON 90810	Ts-01 cycle i reclaim/title v facility	325120	Industrial gas manufacturing
AIR PRODUCTS AND CHEMICALS, INC.	101656	700 N. HENRY FORD AVE. , WILMINGTON 90744	Ts-02 cycle ii reclaim/title v facility	325120	Industrial gas manufacturing
AIR-TEC	82584	1606 E. CARSON ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	238220	Plumbing, heating, and air-conditioning contractors
AJRC INC	166599	21700 S. VERMONT AVE., TORRANCE 90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
AL LARSON BOAT SHOP	21862	1046 S. SEASIDE, TERMINAL ISLAND 90731	Ts-11 industrial: sector-based inspections	336611	Ship building and repairing
ALBERTSONS ST. ORE #132	174437	101 E. WILLOW ST. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores
ALBERTSONS ST. ORE #2935	174438	110 E. CARSON ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ALBERTSONS ST. ORE #3859	174450	200 E. SEPULVEDA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores
ALCO PACIFIC INC	10766	16908 S. BROADWAY, CARSON 90248	Ts-09 non-inspection: potential inactivations (from ts 10)	331492	Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)
ALEA CAFE	78780	2705 E. CARSON, LONG BEACH 90810	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
ALLEN CO/C E. ALLEN COMPANY, INC/RC3LEASE	141596	983 E. PATTERSON, LONG BEACH 90806	Ts-15 industrial: crude oil production	237990	Other heavy and civil engineering construction
ALLIED QUALITY CLEANERS	133179	1212 W. ANAHEIM BLVD. STE. C, HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
ALLIEDSIGNAL AEROSPACE SYSTEMS & EQUIP	14520	19201 SUSANA RD, RANCHO DOMINGUEZ 90221	Ts-09 non-inspection: potential inactivations (from ts 10)	336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing
ALLOY PROCESSING	117435	1900 W. WALNUT, COMPTON 90220	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
ALLOY PROCESSING	173049	1401 W. ARTESIA BLVD. , COMPTON 90220	Ts-74 toxics: non-chrome plating	332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
ALPINE AUTO BODY INC.	171091	444 E. ANAHEIM, LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance

Appendix 4-6

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ALVIN'S AUTO BODY & PAINT	60697	3333 OLIVE AVE. , SIGNAL HILL 90755	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
AM CABINETS, INC.	57687	239 E. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	238350	Finish carpentry contractors
AMB LAYLINE	148584	1000 FRANCISCO ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	493190	Other warehousing and storage
AMB/MAR CARSON, LLC	133941	21023 MAIN ST. BLDG. E2, CARSON 90745	Ts-11 industrial: sector-based inspections	237210	Land subdivision
AMERICAN DAWN, INC	166365	401 W. ARTESIA BLVD. , COMPTON 90220	Ts-11 industrial: sector-based inspections	313210	Broadwoven fabric mills
AMERICAN OIL	185084	6850 LONG BEACH BLVD. , LONG BEACH 90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
AMERICAN PAINT & BODY SHOP	79808	214 MCDONALD AVE. , WILMINGTON 90744	Ts-12 industrial sources - out of business and change of ownership	811121	Automotive body, paint, and interior repair and maintenance
AMERICAN PET CORP	158433	1410 W. PACIFIC COAST HIGHWAY, LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
AMERIGAS	8418	16800 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	454310	Fuel dealers
AMERIPARK INC	152730	65 S. CEDAR AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	812930	Parking lots and garages
ANDERSON HAY & GRAIN CO., INC.	172535	909 E. COLON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	424510	Grain and field bean merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ANDO ELECTRIC MOTORS INC	42773	1999 W. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
ANDRY SPECIALITY VEHICLES, INC.	119873	19603 S. VERMONT AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	561990	All other support services
ANEMOSTAT-WEST, A MESTEK CO	11972	1220 WATSON CENTER RD, CARSON 90745	Ts-11 industrial: sector-based inspections	334512	Automatic environmental control manufacturing for residential, commercial, and appliance use
ANGELUS BLOCK CO INC	54941	252 E. REDONDO BEACH BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	444190	Other building material dealers
ANHEUSER-BUSCH SALES-BEACH CITIES	133656	20499 REEVES AVE. , CARSON 90810	Ts-11 industrial: sector-based inspections	424810	Beer and ale merchant wholesalers
ANSCHUTZ SOUTHERN CAL SPORTS COMPLEX LLC	136321	18400 AVALON BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	624310	Vocational rehabilitation services
ANVIL STEEL CORPORATION	46691	137 W. 168TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	238120	Structural steel and precast concrete contractors
APM TERMINALS	132412	2500 NAVY WAY, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	488510	Freight transportation arrangement
APM TERMINALS	132415	2500 NAVY WAY, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	488510	Freight transportation arrangement
APM TERMINALS	132416	2500 NAVY WAY, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	488510	Freight transportation arrangement
APM TERMINALS - MPL	132969	2500 NAVY WAY PIER, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	488510	Freight transportation arrangement

Appendix 4-8

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
APOLLO RESTAURANT	74992	21239 S. WILMINGTON AVE. , LONG BEACH 90810	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
APRO LLC DBA UNITED OIL #105	177876	3631 SANTA FE, LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #106	177877	305 W. ANAHEIM, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #115	177902	3396 ATLANTIC BLVD. , LONG BEACH 90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #118	177904	501 W. 7TH ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #120	177905	1542 W. WILLOW ST. , LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #151	177958	909 W. PACIFIC COAST HIGHWAY, HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
APRO LLC DBA UNITED OIL #165	177971	300 W. CARSON ST. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	811111	General automotive repair
APRO LLC DBA UNITED OIL #179	177983	22235 FIGUEROA ST. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations

Appendix 4-9



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
APRO LLC DBA UNITED OIL #32	177843	2995 N. LONG BEACH BLVD. , LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
AQUA MAINTENANCE CORPORATION	142148	388 OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	561720	Janitorial services
ARCO #42014, TREASURE FRANCHISE CO LLC	174641	2601 SANTA FE AVE., LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ARCO #42055, TESORO REFINING & MKTG. CO.	174631	124 W. PACIFIC COAST HIGHWAY, LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ARCO #42089	175090	1411 E. DEL AMO BLVD. , CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ARCO #42118	174628	18523 S. AVALON BLVD. , CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
ARCO-KAVIR, INC.	152617	2195 S. SANTA FE AVE., COMPTON 90221	Ts-40 service stations: retail gasoline dispensing (from ts 12)	561990	All other support services
ARTISTIC WELDING, INC	167986	505 E. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	332322	Sheet metal work manufacturing
ASSOCIATED BRAKE SUPPLY INC	54139	17010 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ATLANTIC RETAIL, INC	176237	4385 ATLANTIC AVE., LONG BEACH 90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
AUTO COLORS PAINT & BODY SHOP	120414	23022 S. NORMANDIE AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	811198	All other automotive repair and maintenance
AUTOMART COLLISION CENTER	138948	307 W. 168TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	441120	Used car dealers
AVALON GLASS & MIRROR CO	154691	642 E. ALONDRA BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	327215	Glass product manufacturing made of purchased glass
AVALON LABORATORIES, LLC	133070	2610 E. HOMESTEAD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	541380	Testing laboratories
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE. , LONG BEACH 90813	Ts-75 toxics: chrome plating	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
AXIS PETR CO	38855	1304 LOMITA BLVD. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
BAY CITY AUTO BODY	100041	24100 S. VERMONT AVE. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
BDS NATURAL PRODUCTS	149431	1904 E. DOMINGUEZ 1/2 ST., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	424490	Other grocery and related products merchant wholesalers
BEACH CITY SAND-BLASTING	52855	20422 S. NORMANDIE AVE. , TORRANCE 90502	Ts-12 industrial sources - out of business and change of ownership	238310	Drywall and insulation contractors
BEAUCHAMP DISTRIBUTING CO	43855	1911 S. SANTA FE AVE. , COMPTON 90221	Ts-11 industrial: sector-based inspections	424810	Beer and ale merchant wholesalers

Appendix 4-11

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BENJAMIN P. MICHEL	154388	17915 FIGUEROA ST. UNIT C, GARDENA 90248	Ts-11 industrial: sector-based inspections	336390	Other motor vehicle parts manufacturing
BFI WASTE SYSTEMS OF NORTH AMERICA, INC.	109995	3031 E. I ST. , WILMINGTON 90744	Ts-52 toxics: transfer stations	562219	Other nonhazardous waste treatment and disposal
BIOQUIP PRODUCTS INC	133218	2321 GLADWICK AVE. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	541712	Research and development in the physical, engineering, and life sciences (except biotechnology)
BIXBY KNOLLS CLEANERS, LINH CAO	163454	3840 ATLANTIC AVE., LONG BEACH 90807	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
BIXBY KNOLLS TOWERS	84659	3737 ATLANTIC AVE. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	623990	Other residential care facilities
BIXBY KNOLLS TOWERS/RETIREMENT HOUSING F	125774	3747 ATLANTIC AVE. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	623990	Other residential care facilities
BM AUTO REPAIR	185662	1321 W. GARDENA BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	811111	General automotive repair
BODYCOTE THERMAL PROCESSING	166916	515 W. APRA ST. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	332811	Metal heat treating
BONNIE'S COURTESY CLEANERS	87774	111 E. CARSON ST. STE 6 & 7, CARSON 90745	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
BREA CANON OIL COMPANY INC	82513	23903 S. NORMANDIE, HARBOR CITY 90710	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
BREITBURN OPERATING L.P.	150212	15507 DEBLYNN AVE. , GARDENA 90247	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
BREITBURN OPERATING, LP	172872	2800 GLADWICK ST. , CARSON 90745	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
BRENTWOOD ORIGINALS INC	22568	20639 S. FORDYCE AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	314120	Curtain and linen mills
BRETHREN MANOR SENIOR CARE, LP	182947	3333 PACIFIC PLACE , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
BRISTOL FARMS CENTRAL KITCHEN	156257	915 230TH ST. , CARSON 90745	Ts-32 area sources: rule 1415 facilities	445299	All other specialty food stores
BROTHERS CUSTOM KITCHEN CABINETS	141608	17809 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	238130	Framing contractors
BRYANT RUBBER CORP	56405	1112 LOMITA BLVD. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	339991	Gasket, packing, and sealing device manufacturing
C & C IMPORTS INC, NANCY CORZINE	146790	17000 KINGSVIEW AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	442110	Furniture stores
C W. SERVICES, INC	133266	1735 SANTA FE AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
C&J WELL SERVICES INC	179177	19431 S. SANTA FE AVE., RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	453998	All other miscellaneous store retailers (except tobacco stores)
C.J. FIBERGLASS	147172	1335 W. 15TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	327212	Other pressed and blown glass and glassware manufacturing
CA GAS MINI MARKET CORPORATION	115124	950 N. AVALON BLVD. #101, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445120	Convenience stores

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CAFE INTERNATIONAL, NINO ROSINI/R NIZICH	79635	1195 NAGOYA AVE. , SAN PEDRO 90731	Ts-31 area sources: rule 222 equipment	722511	Full-service restaurants
CAL CARBON CO INC	14914	2825 E. GRANT ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
CAL ST. , HIGHWAY PATROL	16585	19700 HAMILTON AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	922120	Police protection
CAL ST. ATE UNIVERSITY	134878	401 GOLDEN SHORE, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	611310	Colleges, universities, and professional schools
CAL ST. UNIV, DOMINGUEZ HILLS	2961	1000 E. VICTORIA ST. , CARSON 90747	Ts-11 industrial: sector-based inspections	611310	Colleges, universities, and professional schools
CAL TRANS	136042	430 N. SEASIDE AVE. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	926120	Regulation and administration of transportation programs
CALIBER COLLISION CENTER	176554	2201 E. 223RD ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
CALIFORNIA CARTAGE CO. LLC	90809	2401 E. PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
CALIFORNIA PORTLAND CEMENT CO	151345	19030 S. NORMANDIE AVE., TORRANCE 90502	Ts-11 industrial: sector-based inspections	327310	Cement manufacturing
CALIFORNIA RESOURCES LONG BEACH, INC	156613	1065 W. PIER E. ST. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
CALIFORNIA RESOURCES LONG BEACH, INC	156616	1843 E. "O" ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
CALIFORNIA SULPHUR CO	47868	2250 E. PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
CALIFORNIA WATER SERVICE	124117	18800 S. WILMINGTON ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems

Appendix 4-14

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CALIFORNIA WATER SERVICE CO	139513	21718 S. ALAMEDA ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
CALIFORNIA WATER SERVICE CO	181296	169 W. VICTORIA AVE., LONG BEACH 90805	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
CALIFORNIA WATER SERVICE CO	181314	2116 220TH ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
CALIFORNIA WATER SERVICE COMPANY	170866	24800 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
CALIFORNIA WATER SERVICE COMPANY	170867	4100 SANTA FE AVE., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
CAL-TRANS	32191	22101 SANTA FE AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	488999	All other support activities for transportation
CAMDEN DEVELOPMENT INC.	134515	300 W. OCEAN SIDE, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	722410	Drinking places (alcoholic beverages)
CAR AROMA SUPPLY	19331	412 W. ANAHEIM ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers
CARBON ACTIVATED CORPORATION	126299	250 E. MANVILLE ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	424690	Other chemical and allied products merchant wholesalers
CARDLOCK FUELS SYSTEM, INC	180030	15914 S. AVALON BLVD. , RANCHO DOMINGUEZ 90220	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424710	Petroleum bulk stations and terminals
CARDLOCK FUELS SYSTEM, INC.	115488	2720 E. CARSON ST. , CARSON 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	561499	All other business support services
CARL'S JR. RESTAURANT, LLC	64947	17450 S. AVALON BLVD. , CARSON 90746	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CARNIVAL CORPORATION	134883	1166 QUEENS HWY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	561510	Travel agencies
CARPARTS EXPRESS AND AUTO REPAIR	160605	22424 NORMANDIE AVE., TORRANCE 90502	Ts-11 industrial: sector-based inspections	811412	Appliance repair and maintenance
CARSON BURGERS	125995	21680 WILMINGTON AVE. , CARSON 90810	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
CARSON CITY	69569	22400 MONETA AVE. , CARSON 90745	Ts-11 industrial: sector-based inspections	921110	Executive offices
CARSON CITY	91411	701 E. CARSON, CARSON 90745	Ts-11 industrial: sector-based inspections	921110	Executive offices
CARSON CITY	91788	801 E. CARSON, CARSON 90745	Ts-11 industrial: sector-based inspections	921110	Executive offices
CARSON HANDLING SERVICES	178295	2160 E. SEPULVEDA BLVD. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	541990	All other professional, scientific, and technical services
CARSON MINI TRUCK ST. OP, EDCO ST. ATION INC	110932	101 W. VICTORIA, GARDENA 90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
CARSON RECLAMATION AUTHORITY	183607	20400 MAIN ST. , CARSON 90745	Ts-50 toxics: landfills, gas collection	237210	Land subdivision
CARSON TOYOTA	23016	1333 E. 223TH ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	441110	New car dealers
CARSON UNION 76, KAMBIZ KATIRAI	153969	1025 E. CARSON, CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
CARSON VALERO, INC.	157293	23825 S. AVALON BLVD. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations

Appendix 4-16



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CAST-RITE CORP	11847	515 E. AIRLINE WAY, GARDENA 90248	Ts-11 industrial: sector-based inspections	331523	Nonferrous metal die-casting foundries
CCL TUBE, INC	155246	2250 E. 220TH ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing
CCL TUBE, INC.	155740	2250 E. 220TH ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing
CELEBRITY CASINOS INC	150072	123 E. ARTESIA BLVD. , COMPTON 90220	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
CEMEX CONSTRUCTION MATERIALS PACIFIC, LL	3185	601 PIER D AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	212312	Crushed and broken limestone mining and quarrying
CENTRAL PLAZA CLEANERS	188058	17531 S. CENTRAL AVE. UNIT L&M, CARSON 90746	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
CHAI FIVE LAUNDRY SERVICES LLC	188437	640 E. WARDLOW RD, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
CHAI FIVE LAUNDRY SERVICES LLC	189252	640 E. WARDLOW RD, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
CHANDLER'S RECYCLING	181904	1711 ALAMEDA, WILMINGTON 90744	Ts-50 toxics: landfills, gas collection	424130	Industrial and personal service paper merchant wholesalers
CHANNEL CLEANERS	80899	639 CHANNEL ST. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
CHEMLINE CA, INC	182889	19500 S. ALAMEDA ST. , EAST. RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	541490	Other specialized design services
CHEMOIL TERMINALS CORP, CARSON TERMINAL	178770	2365 E. SEPULVEDA BLVD. , CARSON 90810	Ts-05 title v (only) facility	493190	Other warehousing and storage



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CHEMOIL TERMINALS CORPORATION, LONG BEAC	178769	1004 PIER F AVE., LONG BEACH 90802	Ts-84 ref/energy: marine term. & tank facilities	424710	Petroleum bulk stations and terminals
CHEVRON U.S.A. INC	4736	1140 PIER G AVE. , LONG BEACH 90802	Ts-12 industrial sources - out of business and change of ownership	423520	Coal and other mineral and ore merchant wholesalers
CINTAS CORPORATION - RANCHO DOMINGUEZ	178977	20100 SUSANA RD, DOMINGUEZ 90810	Ts-11 industrial: sector-based inspections	423850	Service establishment equipment and supplies merchant wholesalers
CIRCLE K ST. ORES INC #2709493	174177	22240 S. AVALON BLVD. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	517110	Wired telecommunications carriers
CIRCLE K ST. ORES INC. SITE #2705619	111710	1150 W. PACIFIC COAST HIGHWAY , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445120	Convenience stores
CIRCLE K ST. ORES INC., DONALD NGUYEN #221	170756	2001 W. ALONDRA BLVD. , COMPTON 90220	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
CIRCLE K ST. ORES INC., GARGES HANA, SITE	169321	2601 ATLANTIC BLVD. , LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
CIRCLE K ST. ORES, INC. M THEIN MYINT SITE	169294	15312 S. VERMONT AVE., GARDENA 90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445120	Convenience stores
CIRCLE K ST. ORES, INC. TORRANCE SVC,STN	169285	20802 S. VERMONT AVE., TORRANCE 90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445110	Supermarkets and other grocery (except convenience) stores
CITIZEN WATCH COMPANY OF AMERICA, INC	134726	1000 W. 190TH ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	448310	Jewelry stores

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	61976	45 TERMINAL WAY (PP # 671), TERMINAL ISLAND 90731	Ts-11 industrial: sector-based inspections	221320	Sewage treatment facilities
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	64908	390 N. SEASIDE AVE. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	562219	Other nonhazardous waste treatment and disposal
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	94216	624 W. 190TH ST. PP 674, LOS ANGELES 90248	Ts-11 industrial: sector-based inspections	221320	Sewage treatment facilities
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	104589	420 HENRY FORD AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	221118	Other electric power generation
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	110748	637 FRIES AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	611210	Junior colleges
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	110750	301 MC FARLAND AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	221320	Sewage treatment facilities
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	76403	675 FRONT ST., SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	562219	Other nonhazardous waste treatment and disposal
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	94425	900 N. SOUTHERLAND, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	221320	Sewage treatment facilities
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	110749	1220 HARRY BRIDGES BLVD., WILMINGTON 90744	Ts-11 industrial: sector-based inspections	611210	Junior colleges
CITY OF LA, DEPT OF RECREATION & PARKS	96220	1701 W. L ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	713910	Golf courses and country clubs
CITY OF LONG BEACH ST. ORM DRAIN PUMP ST. AT	171277	1270 W. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	519120	Libraries and archives
CITY OF LONG BEACH, AQUARIUM - 14527	114954	200 W. SHORELINE DR, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	712130	Zoos and botanical gardens
CITY OF LONG BEACH, FLEET SERVICES	161663	1540 W. 32ND ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	924120	Administration of conservation programs
CITY OF LONG BEACH, PUBLIC WORKS	168392	1722 PIER B ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	921110	Executive offices

Appendix 4-19

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CITY OF LONG BEACH/HARBOR DEPT	137183	2550 PIER T AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813212	Voluntary health organizations
CITY PAPER & METAL CO	60145	1452 W. 11TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	423930	Recyclable material merchant wholesalers
CLASSIC AUTO RESTORATION	180472	17503 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811111	General automotive repair
CLEAN HARBORS WILMINGTON, LLC	148008	1737 E. DENNI ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	562211	Hazardous waste treatment and disposal
CLEANERS R US	177359	286 E. SEPULVEDA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	561790	Other services to buildings and dwellings
COAST PLATING INC	21593	128 W. 154TH ST. , GARDENA 90248	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
COAST PLATING INC	111747	120 W. 154TH ST. , GARDENA 90248	Ts-74 toxics: non-chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
COAST PLATING INC	112968	417 W. 164 TH ST. , GARDENA 90248	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
COAST WIRE & PLASTIC TECH, LLC	110855	1048 BURGROVE ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	335921	Fiber optic cable manufacturing
COASTCRAFT RUBBER CO	57535	23340 S. NORMANDIE, TORRANCE 90502	Ts-11 industrial: sector-based inspections	326299	All other rubber product manufacturing
COLLEGE MEDICAL CENTER	176757	1725 PACIFIC AVE., LONG BEACH 90813	Ts-11 industrial: sector-based inspections	622210	Psychiatric and substance abuse hospitals
COLLEGE MEDICAL CENTER	176762	2776 PACIFIC AVE., LONG BEACH 90806	Ts-11 industrial: sector-based inspections	622210	Psychiatric and substance abuse hospitals

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
COLLEGE MEDICAL CENTER	176763	2683 PACIFIC AVE., LONG BEACH 90806	Ts-11 industrial: sector-based inspections	622210	Psychiatric and substance abuse hospitals
COLLISION WORKS INC	121097	500 E. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
COLOR KING WORLD	173878	551 W. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811111	General automotive repair
COLORCODE	137568	17014 S. VERMONT AVE. , GARDENA 90247	Ts-11 industrial: sector-based inspections	238320	Painting and wall covering contractors
COLUMBIA RESTAURANT	74989	17601 S. CENTRAL AVE. , CARSON 90746	Ts-30 area sources: charbroilers	722513	Limited-service restaurants
COMPTON COMMUNITY COLLEGE DISTRICT	150013	1111 E. ARTESIA BLVD. , COMPTON 90221	Ts-11 industrial: sector-based inspections	611210	Junior colleges
CONTAINER-CARE INTERNATIONAL INC.	73829	1711 ALAMEDA, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
CONTINENTAL CLEANERS, CHONG SU OH	159233	4249 ATLANTIC AVE., LONG BEACH 90807	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
COOPER & BRAIN, B & B LEASE	39133	1520 PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
CORONET MFG CO INC	19144	16210 S. AVALON BLVD. , GARDENA 90248	Ts-05 title v (only) facility	337920	Blind and shade manufacturing
COUNTY OF LOS ANGELES DEPT OF PUBLIC WKS	158361	2036 E. I ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	621991	Blood and organ banks

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
COVENANT MANOR	140125	600 E. 4TH ST. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	623990	Other residential care facilities
COWELCO INC	33975	1634 W. 14TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	332322	Sheet metal work manufacturing
CPS SECURITY SOLUTIONS	145468	436 W. WALNUT ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	561612	Security guards and patrol services
CRISOL METAL FINISHING, INC.	158059	444 E. GARDENA BLVD. UNIT C, GARDENA 90248	Ts-11 industrial: sector-based inspections	332813	Electroplating, plating, polishing, anodizing, and coloring
CROSBY & OVERTON, INC.	34149	1610 W. 17TH ST. , LONG BEACH 90813	Ts-56 toxics: toxic stationary source	562211	Hazardous waste treatment and disposal
CROSSFIELD PROD. CORP	22207	3000 E. HARCOURT ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
CROSSFIELD PRODUCTS CORP	66332	19514 S. NORMANDIE, TORRANCE 90502	Ts-11 industrial: sector-based inspections	324121	Asphalt paving mixture and block manufacturing
CROWN LIFT TRUCKS	100604	4061 VIA ORO AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing
CRUMB RUBBER MANUFACTURERS, LLC	118576	15800 S. AVALON BLVD. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	326291	Rubber product manufacturing for mechanical use
CRUSTY CRAB	74931	1146 NAGOYA WAY, SAN PEDRO 90731	Ts-31 area sources: rule 222 equipment	445220	Fish and seafood markets
CUNICO CORP	131470	1910 W. 16 TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	332996	Fabricated pipe and pipe fitting manufacturing
CUSTOM DISPLAYS INC	13405	411 W. 157TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	337212	Custom architectural woodwork and millwork manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
CUSTOM FIBREGLASS MFG. CO DBA SNUGTOP	185059	1711 HARBOR AVE., LONG BEACH 90813	Ts-05 title v (only) facility	336214	Travel trailer and camper manufacturing
D & G POWDER COATING	146945	831 N. MAHAR AVE. #A, WILMINGTON 90744	Ts-11 industrial: sector- based inspections	332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
DAICO INDUSTRIES	119001	1070 E. 233 ST. , CARSON 90745	Ts-11 industrial: sector- based inspections	334419	Other electronic component manufacturing
DAVE'S SHOP OF GARDENA	73754	16607 S. VERMONT AVE. , GARDENA 90247	Ts-12 industrial sources - out of business and change of ownership	811111	General automotive repair
DECORE PLATING	98554	434 W. 164TH ST. , CARSON 90248	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
DEFENSE CONTRACT MGMT DISTRICT	119287	18901 S. WILMINGTON AVE. , CARSON 90746	Ts-11 industrial: sector- based inspections	928110	National security
DEFENSE FUEL SUPPORT POINT (DFSP) SAN PE	5075	3171 N. GAFFEY ST. , SAN PEDRO 90731	Ts-84 ref/energy: marine term. & tank facilities	713940	Fitness and recreational sports centers
DELAMO PARK, INC.	112383	20320 S. AVALON BLVD. , CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	924120	Administration of conservation programs
DELAMO PETROLEUM	128278	4990 N. LONG BEACH BLVD. , LONG BEACH 90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
DEWEY PEST CONTROL	28822	21111 S. FIGUEROA ST. , CARSON 90745	Ts-11 industrial: sector- based inspections	561710	Exterminating and pest control services
DGH 1500 LOMITA IND'L, LLC/BEECO HARBOR	143277	1500 E. LOMITA BLVD. , WILMINGTON 90744	Ts-11 industrial: sector- based inspections	237210	Land subdivision

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
DIEGO'S AUTO BODY, CLAUDIO A. CANTONI	159135	1019 E. G ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811111	General automotive repair
DINO ST. ATION	181985	5588 N. LONG BEACH BLVD. , LONG BEACH 90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447110	Gasoline stations with convenience stores
DIRECTV	172753	19335 S. LAUREL PARK RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	443142	Electronics stores
DIRECTV, CALIFORNIA BROADCAST CENTER	115199	3800 VIA ORO AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	515210	Cable and other subscription programming
DIVERSIFIED SPECIALTIES	149612	22632 S. NORMANDIE AVE. # B, TORRANCE 90502	Ts-11 industrial: sector-based inspections	811111	General automotive repair
DOMINGUEZ GOLF C/O AMERICAN GOLF CORP	38621	19800 S. MAIN ST. , CARSON 90745	Ts-50 toxics: landfills, gas collection	713910	Golf courses and country clubs
DOUBLE TREE HOTEL CARSON	165763	2 CIVIC PLAZA DR. , CARSON 90745	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
DUCOMMUN AEROSTRUCTURES INC.	125051	140 E. GARDENA, GARDENA 90248	Ts-11 industrial: sector-based inspections	336413	Other aircraft parts and auxiliary equipment manufacturing
DUCOMMUN AEROSTRUCTURES, INC.	164887	268 E. GARDENA BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	336412	Aircraft engine and engine parts manufacturing
DUCOMMUN LA BARGE TECHNOLOGIES INC	58236	23301 S. WILMINGTON AVE. , CARSON 90745	Ts-59 toxics/industrial: industrial sites w/chrome (from ts 78)	336413	Other aircraft parts and auxiliary equipment manufacturing
DYNAMIC INDUSTRIAL ELECTRIC MOTORS, INC.	113487	140 E. ALONDRA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
E & B NATURAL RESOURCES MANAGEMENT CORP.	171083	1032 CRUCES ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MANAGEMENT CORP	165100	25210 BROADWELL, HARBOR CITY 90710	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MANAGEMENT CORP	165101	573 E. SPRING ST., LONG BEACH 90806	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MANAGEMENT CORP	165113	201 E. 35TH ST., LONG BEACH 90806	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MANAGEMENT CORP	165309	24210 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MANAGEMENT CORP.	171045	1396 MAURENTANIA ST. WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT CORP	171037	1665 WILMINGTON BLVD. , WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT CORP	171040	1210 R ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MGMT CORP	171042	1507 FRIGATE AVE., WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT. CORP.	171035	1028 MAURENTANIA ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
E&B NATURAL RESOURCES MGMT. CORP.	171043	1641 VAN TRESS, WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT. CORP.	171044	335 W. LOMITA BLVD. , CARSON 90745	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT. CORP.	171046	1029-111 MAURETANIA, WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MGMT. CORP.	171049	1019 SANDISON, WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT. CORP.	171054	1535 FRIGATE, WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT., CORP.	171047	1032 DON ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES MGMT., CORP.	171048	1107 DOLORES, WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
E&B NATURAL RESOURCES MGMT., CORP.	171050	1111 CRUCES ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	541611	Administrative management and general management consulting services
E&B NATURAL RESOURCES, LLC	177265	1710 N. EUBANK AVE. DR. ILL SITE #4, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	237120	Oil and gas pipeline and related structures construction
ECO SERVICES OPERATIONS CORP.	180908	20720 S. WILMINGTON AVE., CARSON 90810	Ts-01 cycle i reclaim/title v facility	325998	All other miscellaneous chemical product and preparation manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
EK AUTO WORX	177342	16800 S. BROADWAY, GARDENA 90248	Ts-12 industrial sources - out of business and change of ownership	811121	Automotive body, paint, and interior repair and maintenance
EL TACO CHARRO VICTOR ZAMORA	163764	940 E. DOMINGUEZ ST. UNIT P, CARSON 90746	Ts-30 area sources: charbroilers	722511	Full-service restaurants
ELECTRO-TECH MACHINING	166289	2100 W. GAYLORD ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	335991	Carbon and graphite product manufacturing
ELEMENT MATERIALS TECHNOLOGY	129444	18100 S. WILMINGTON AVE. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	541380	Testing laboratories
ELEVEN GOLDEN SHORE LP	153374	11 GOLDEN SHORE, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
ELITE 4 PRINT	169965	851 E. WALNUT ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	323111	Commercial printing (except screen and books)
ELRO MANUFACTURING COMPANY	102568	400 W. WALNUT ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	339950	Sign manufacturing
ENERY HOLDINGS LLC	186899	17171 S. CENTRAL AVE., CARSON 90746	Ts-01 cycle i reclaim/title v facility	221118	Other electric power generation
ENGINEERED COATINGS, INC.	178668	3154 HARCOURT ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	325510	Paint and coating manufacturing
ENI OIL & GAS INC	145144	306 W. TORRANCE BLVD. , CARSON 90745	Ts-50 toxics: landfills, gas collection	562212	Solid waste landfill
ENVENT CORPORATION	178028	1520 E. SEPULVEDA BLVD. , CARSON 90745	Ts-57 toxics: r203 voc extraction	541620	Environmental consulting services
EPSILON PLASTICS INC	136202	3100 E. HARCOURT ST. , RANCHO DOMINGUEZ 90221	Ts-05 title v (only) facility	326111	Plastics bag and pouch manufacturing
EQUILON ENTER, LLC-SHELL OIL PROD. US	117560	100 FALCON ST., WILMINGTON 90744	Ts-11 industrial: sector-based inspections	486910	Pipeline transportation of refined petroleum products

Appendix 4-27

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S. WILMINGTON, CARSON 90810	Ts-04 cycle ii reclaim/non-title v facility	424710	Petroleum bulk stations and terminals
ERA PRODUCTS INC	58686	354 W. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	337127	Institutional furniture manufacturing
ERC CO	146038	2970 E. MARIA ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	332322	Sheet metal work manufacturing
EVERGREEN ENVIRONMENTAL SERVICES	93622	16604 S. SAN PEDRO ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	562112	Hazardous waste collection
EVERPORT TERMINAL SERVICES, INC.	183315	389 TERMINAL WAY, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	236220	Commercial and institutional building construction
EXXONMOBIL OIL CORP	1667	799 SEASIDE AVE. BERTHS 238-4, TERMINAL ISLAND 90731	Ts-84 ref/energy: marine term. & tank facilities	237120	Oil and gas pipeline and related structures construction
FACTORY COLLISION REPAIR SERVICES	182619	16131 S. MAPLE AVE., GARDENA 90248	Ts-11 industrial: sector-based inspections	811412	Appliance repair and maintenance
FANTASTIC BURGERS, E. & S.ELEFATHERION DB	78849	3665 SANTA FE AVE. , LONG BEACH 90810	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
FARADAY FUTURE	183238	18455 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	541330	Engineering services
FASTLANE TRANSPORTATION	148893	2400 E. PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	484121	General freight trucking, long-distance, truckload
FED EX GROUND PACKAGE SYSTEMS	180329	1725 CHARLES WILLARD ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	484121	General freight trucking, long-distance, truckload
FENIX MARINE SERVICES	112562	614 TERMINAL WAY, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	541611	Administrative management and general management consulting services

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
FIBERGLASS ARTS BODY SHOP	108399	1540 CANAL AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
FINE QUALITY METAL FINISHING CO	47329	1640 DAISY AVE. , LONG BEACH 90813	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
FIRST. DOMINGUEZ GATEWAY CENTER	157371	3015 ANA ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	493120	Refrigerated warehousing and storage
FLOWSERVE U S. INC	131304	1909 E. CASHDAN ST. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	333911	Pump and pumping equipment manufacturing
FOAM FABRICATORS	12876	1810 S. SANTA FE AVE. , COMPTON 90221	Ts-05 title v (only) facility	326140	Polystyrene foam product manufacturing
FORMER SHELL LOS ANGELES REFINERY	175241	2101 E. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-61 toxics: voc soil remediation	324110	Petroleum refineries
FREY ENVIRONMENTAL, INC.	152387	320 E. SEPULVEDA BLVD. , CARSON 90745	Ts-61 toxics: voc soil remediation	541690	Other scientific and technical consulting services
FRONTIER CALIFORNIA INC LONG BEACH MAIN	182256	550 ELM AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813110	Religious organizations
FRONTIER CALIFORNIA INC UPTOWN CO	182386	3440 CALIFORNIA AVE., LONG BEACH 90807	Ts-11 industrial: sector-based inspections	517410	Satellite telecommunications
FS PRECISION TECH LLC	142267	3025 E. VICTORIA ST. , COMPTON 90221	Ts-04 cycle ii reclaim/non-title v facility	331529	Other nonferrous metal foundries (except die-casting)
G & FK CORP DBA WILMINGTON CHEVRON	163487	575 W. PACIFIC COAST. HIGHWAY, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
G & G AUTO BODY	19879	4816 LONG BEACH BLVD. , LONG BEACH 90807	Ts-12 industrial sources - out of business and change of ownership	811121	Automotive body, paint, and interior repair and maintenance
G & M OIL CO, LLC #68	114686	1700 W. WARDLOW RD, LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
G P RESOURCES INC	108417	1028 S. SEASIDE DR, TERMINAL ISLAND 90731	Ts-84 ref/energy: marine term. & tank facilities	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
G&M OIL CO, LLC #110	131144	1790 LONG BEACH BLVD. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
GALAXY GAS INC.	187506	22802 S. FIGUEROA ST. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
GAMBOL IND INC	91778	1825 PIER D ST. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	336612	Boat building
GARCIA'S AUTO DISMANTLER	138367	640 FLINT AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	441120	Used car dealers
GARDENA BATTERY INC	19266	132 E. ALONDRA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	441310	Automotive parts and accessories stores
GARDENA SERIOR HOUSING, INC.	170018	17150 S. PARK LN, GARDENA 90247	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
GATEWAY TOWERS LLC	154608	970-990 W. 190TH ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	523920	Portfolio management

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
GEORGE'S BODY SHOP SALES & DISMANTLING	106909	927 VREELAND AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
GIULIANO'S BAKERY	81374	1117 E. WALNUT ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	311812	Commercial bakeries
GLOBAL FITNESS, INC.	168746	15815 S. SAN PEDRO ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423910	Sporting and recreational goods and supplies merchant wholesalers
GLOBAL INTERMODAL SYSTEMS	111083	1621 E. OPP ST. , WILMINGTON 90744	Ts-12 industrial sources - out of business and change of ownership	488210	Support activities for rail transportation
GOODYEAR AIRSHIP OPER	14386	19200 S. MAIN ST. , GARDENA 90248	Ts-51 toxics: landfills, other	441320	Tire dealers
GORDON LABORATORIES	119396	751 E. ARTESIA BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	325620	Toilet preparation manufacturing
GREEN TEK INDUSTRIAL SOLUTIONS	164628	1660 W. ANAHEIM ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	423730	Warm air heating and air-conditioning equipment and supplies merchant wholesalers
GREEN TEK INDUSTRIAL SOLUTIONS	166805	1660 W. ANAHEIM ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	561499	All other business support services
GROW MORE INC	92703	15600 NEW CENTURY DR, GARDENA 90248	Ts-11 industrial: sector-based inspections	325320	Pesticide and other agricultural chemical manufacturing
GROW MORE, INC.	156642	18800 S. SUSANA RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	424690	Other chemical and allied products merchant wholesalers
GS II, INC.	183567	1431 W. E. ST. , WILMINGTON 90744	Ts-05 title v (only) facility	444110	Home centers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S. FIGUEROA ST. , GARDENA 90248	Ts-75 toxics: chrome plating	332813	Electroplating, plating, polishing, anodizing, and coloring
GURUAAN LA II, LP	141000	241 E. ALBERTONI ST. , CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445110	Supermarkets and other grocery (except convenience) stores
GVMR INC, FIBERINE DIV	48610	1633 E. SANDISON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	336390	Other motor vehicle parts manufacturing
H & M BODY SHOP, H VERA & M RECINOS ETL	101938	1312 W. ANAHEIM B ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811111	General automotive repair
H.J. BAKER & BRO INC	39899	1001 SCHLEY AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	424910	Farm supplies merchant wholesalers
HAMOND POWER SOLUTIONS, INC	128635	17715 S. SUSANA RD, COMPTON 90221	Ts-11 industrial: sector-based inspections	335311	Power, distribution, and specialty transformer manufacturing
HAPPY CLEANERS	82662	4919 LONG BEACH BLVD. , LONG BEACH 90805	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
HARBOR COGENERATION CO, LLC	156741	505 PIER B AVE., WILMINGTON 90744	Ts-02 cycle ii reclaim/title v facility	221112	Fossil fuel electric power generation
HARBOR DISTRIBUTION CENTER	127860	16407 MAIN, GARDENA 90248	Ts-11 industrial: sector-based inspections	424810	Beer and ale merchant wholesalers
HARBOR ORNAMENTAL, INC	106722	800 W. 220 ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	444110	Home centers
HARBOR PLACE TOWER OWNER ASSOCIATION,530	86465	525 E. SEASIDE WAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813990	Other similar organizations (except business, professional, labor, and political organizations)

Appendix 4-32



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
HAWAIIAN HOST CANDIES INC	11098	15601 S. AVALON BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	311340	Nonchocolate confectionery manufacturing
HD SMITH WHOLESALE DRUG COMPANY	154174	1370 VICTORIA ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	424210	Drugs and druggists' sundries merchant wholesalers
HEAD WEST. INC	163196	15700 S. AVALON BLVD. , COMPTON 90220	Ts-11 industrial: sector-based inspections	327215	Glass product manufacturing made of purchased glass
HEADLANDS/MAR CARSON, LLC	133920	21112 FIGUEROA ST., CARSON 90745	Ts-11 industrial: sector-based inspections	321999	All other miscellaneous wood product manufacturing
HEI LONG BEACH, LLC/HILTON LONG BEACH	145576	701 W. OCEAN BLVD. , LONG BEACH 90831	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
HENKEL ELECTRONIC MATERIALS, LLC	157359	20021 SUSANA RD, COMPTON 90221	Ts-01 cycle i reclaim/title v facility	325520	Adhesive manufacturing
HERBALIFE INTERNATIONAL	182698	18431 S. WILMINGTON AVE., CARSON 90746	Ts-11 industrial: sector-based inspections	445299	All other specialty food stores
HERBALIFE INTERNATIONAL OF AMERICA	147814	950 190TH ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	424210	Drugs and druggists' sundries merchant wholesalers
HERC RENTALS INC	137307	22422 S. ALAMEDA ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	532111	Passenger car rental
HERLEY-KELLY CO (FEE LEASE)	47445	3215 N. PASADENA AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
HGS ENGINEERING, INC.	137555	501 W. OCEAN BLVD. SUITE B009, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	561110	Office administrative services
HI TECH HEAT TREATING	123121	331 W. 168TH ST. , CARSON 90248	Ts-11 industrial: sector-based inspections	332811	Metal heat treating
HOLIDAY INN	67295	19800 S. VERMONT AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
HOLLANDER SLEEP PRODUCTS, LLC	178385	601 W. WALNUT, COMPTON 90220	Ts-11 industrial: sector-based inspections	442299	All other home furnishings stores



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
HOME DEPOT #1858	151357	101 TOWN CENTER DR. , COMPTON 90220	Ts-11 industrial: sector-based inspections	444110	Home centers
HOME DEPOT #611	85559	740 W. 182ND ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	444110	Home centers
HOME DEPOT #6670	146846	110 E. SEPULVEDA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	444110	Home centers
HORN'S COLLISION CENTER	168192	1427 LONG BEACH BLVD. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
HOT ROD ENGINEERING	183970	1003 E. G ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	541330	Engineering services
HOTEL MAYA	111175	700 QUEENSWAY DR, LONG BEACH 90802	Ts-30 area sources: charbroilers	721110	Hotels (except casino hotels) and motels
HUCK INTERNATIONAL INC	153546	900 WATSON CENTER RD, CARSON 90745	Ts-74 toxics: non-chrome plating	332722	Bolt, nut, screw, rivet, and washer manufacturing
HUNTWAY REFINING CO UNIT NO.04	58284	1651 ALAMEDA ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	324110	Petroleum refineries
HUSTLER CASINO	124529	1000 W. REDONDO BEACH BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	721120	Casino hotels
HYATT CORP, HYATT REGENCY LONG BEACH	43798	200 S. PINE AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
HYDROFORM USA	133930	2848 E. 208TH ST. , CARSON 90810	Ts-75 toxics: chrome plating	336413	Other aircraft parts and auxiliary equipment manufacturing
I S. P WEST	118814	20925 BRANT AVE. , CARSON 90810	Ts-11 industrial: sector-based inspections	423140	Motor vehicle parts (used) merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
IKEA US RETAIL LLC - 162	91821	20700 S. AVALON BLVD. CARSON MALL STE. 900, CARSON 90746	Ts-11 industrial: sector-based inspections	442110	Furniture stores
IMPERIAL ESTATES INC	157793	21111 S. DOLORES ST. , CARSON 90745	Ts-50 toxics: landfills, gas collection	531190	Lessors of other real estate property
IMPERIAL OCCIDENTAL	178798	951 E. PATTERSON ST. , LONG BEACH 90806	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
IMPRESA AEROSPACE, LLC	171275	344 W. 157TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	336413	Other aircraft parts and auxiliary equipment manufacturing
INDUSTRIAL TECTONICS INC	15703	18301 S. SANTA FE AVE. , RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	332991	Ball and roller bearing manufacturing
INEOS POLYPROPYLENE LLC	124808	2384 E. 223RD ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
INFRATECH	181920	15700 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	541330	Engineering services
INLAND ST. AR DISTRIBUTION CENTERS, INC	179682	2132A E. DOMINGUEZ ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	561499	All other business support services
INTERNATIONAL AUTO BODY & REPAIR SHOP	153194	21012 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
INTERNATIONAL CARGO EQUIPMENT INC	47090	1540 N. EUBANK, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	493190	Other warehousing and storage
INTERNATIONAL PAPER CO	8488	1350 E. 223RD ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	322211	Corrugated and solid fiber box manufacturing
INTERNATIONAL PAPER CO	156851	19615 S. SUSANA RD, COMPTON 90221	Ts-11 industrial: sector-based inspections	322211	Corrugated and solid fiber box manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
INTERNATIONAL TOWER	134460	700 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813990	Other similar organizations (except business, professional, labor, and political organizations)
INTERNATIONAL TRANSPORTATION SVC. INC	20262	1281 PIER G WAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
IPS CORPORATION	800367	17109 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	325520	Adhesive manufacturing
IRON MOUNTAIN	170917	340 W. VICTORIA ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	561621	Security systems services (except locksmiths)
J & J BODY SHOP	77458	837 N. PACIFIC AVE. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers
J P RESOURCES INC/ BARNES BUSH #4 & #5	122974	29 TH & ATLANTIC ST. , SIGNAL HILL 90807	Ts-15 industrial: crude oil production	423810	Construction and mining (except oil well) machinery and equipment merchant wholesalers
J&P TRUCK BODY SHOP	167708	655 14TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
J. B. I. INC	24647	18521 S. SANTA FE 18601 AVE. , RANCHO DOMINGUEZ 90220	Ts-05 title v (only) facility	337127	Institutional furniture manufacturing
J.B.I. INC	9406	2650 EL PRESIDIO, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
Jafa Furniture	92432	636 Cowles St. , Long Beach 90813	Ts-12 industrial sources - out of business and change of ownership	442110	Furniture stores
Jamboree West. Gateway LP	154400	745 W. 3rd St. , Long Beach 90802	Ts-11 industrial: sector-based inspections	236116	New multifamily housing construction (except for-sale builders)
JB St. Ation, Inc	169219	601 W. Willow St. , Long Beach 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
JC Penney Company	142146	20700 Avalon Blvd. , Carson 90746	Ts-11 industrial: sector-based inspections	452111	Department stores
Jerry's Cleaners	176294	940 E. Dominguez St. St. E. H, Carson 90746	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
JL Furnishings LLC	174172	19007 S. Reyes Ave., Compton 90221	Ts-11 industrial: sector-based inspections	337127	Institutional furniture manufacturing
John Hancock Life Insurance Company, USA	178086	111-125 W. Ocean Blvd. 1020, Long Beach 90802	Ts-11 industrial: sector-based inspections	524210	Insurance agencies and brokerages
Johnson Laminating & Coating Inc	14492	20631 Annalee Ave. , Carson 90746	Ts-11 industrial: sector-based inspections	332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
Juanita's Foods	78137	645 N. Eubanks, Wilmington 90744	Ts-11 industrial: sector-based inspections	311422	Specialty canning
K J Lee's Automotive	147769	1301 Atlantic Ave. , Long Beach 90813	Ts-11 industrial: sector-based inspections	811111	General automotive repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
KAISER FOUNDATION HEALTHPLAN, INC.	130099	1050 PACIFIC COAST HIGHWAY , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	621999	All other miscellaneous ambulatory health care services
KAISER FOUNDATION HOSP	11187	1100 PACIFIC COAST HIGHWAY , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	621111	Offices of physicians (except mental health specialists)
KAISER FOUNDATION HOSPITAL	43522	25825 S. VERMONT AVE. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	621111	Offices of physicians (except mental health specialists)
KAISER FOUNDATION HOSPITAL	108063	23621 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	621111	Offices of physicians (except mental health specialists)
KAISER FOUNDATION HOSPITAL	162733	18600 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals
KAM'S AUTOMOTIVE INC	146857	15600 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	541618	Other management consulting services
KANAFLEX CORP	3955	750 W. MANVILLE ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	326220	Rubber and plastics hoses and belting manufacturing
KAZI ASSOCIATES, INC.	175427	200 W. WILLOW ST. , LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
KINDER MORGAN LIQUIDS TERMINALS LLC	5170	2000 E. SEPULVEDA BLVD. , CARSON 90745	Ts-82 ref/energy: gasoline bulk loading	493190	Other warehousing and storage
KINDER MORGAN LIQUIDS TERMINALS, LLC	18943	2000 E. SEPULVEDA BLVD. , CARSON 90810	Ts-82 ref/energy: gasoline bulk loading	493190	Other warehousing and storage
KINDER MORGAN LIQUIDS TERMINALS, LLC	20613	2000 E. SEPULVEDA BLVD. , CARSON 90810	Ts-82 ref/energy: gasoline bulk loading	493190	Other warehousing and storage
KINDER MORGAN LIQUIDS TERMINALS, LLC	800056	1900 WILMINGTON - SAN PEDRO RD, WILMINGTON 90744	Ts-05 title v (only) facility	424710	Petroleum bulk stations and terminals

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
KINDER MORGAN LIQUIDS TERMINALS, LLC	800057	2000 E. SEPULVEDA BLVD. , CARSON 90810	Ts-05 title v (only) facility	424710	Petroleum bulk stations and terminals
KINDRED HOSPITAL SOUTH BAY	168315	1246 W. 155TH ST. , GARDENA 90247	Ts-11 industrial: sector-based inspections	622310	Specialty (except psychiatric and substance abuse) hospitals
KMR LABEL LLC	141441	1360 W. WALNUT PKY, COMPTON 90220	Ts-11 industrial: sector-based inspections	323111	Commercial printing (except screen and books)
KOCH CARBON INC	57577	1008 PIER F AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	493190	Other warehousing and storage
KONOIKE - E ST. REET, INC.	168780	901 E. E ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423740	Refrigeration equipment and supplies merchant wholesalers
L A CO, DPW, PROJECT #9037 PUMP ST. ATION	102855	1601 SAN FRANCISCO AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	925120	Administration of urban planning and community and rural development
L P E. INC	36863	1902 E. DOMINGUEZ ST. , CARSON 90810	Ts-12 industrial sources - out of business and change of ownership	332710	Machine shops
L.A. CO. HARBOR-UCLA MED. CTR.,DEPT HLTH	107314	1000 W. CARSON ST. PO BOX 499, TORRANCE 90502	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals
L.A. COUNTY ALAMEDA ST. PUMP ST. ATION	123173	18875U S. SANTA FE AVE. , COMPTON 90221	Ts-11 industrial: sector-based inspections	624190	Other individual and family services
L3 TECHNOLOGIES, POWER MAGNETICS	118378	711 W. KNOX ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	335311	Power, distribution, and specialty transformer manufacturing
LA USD GARDENA BUS GARAGE	74863	18421 S. HOOVER ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811111	General automotive repair

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA BIOMEDICAL RESEARCH INSTITUTE	145042	1124 W. CARSON ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	541712	Research and development in the physical, engineering, and life sciences (except biotechnology)
LA BIOMEDICAL RESEARCH INSTITUTE: CHILD	167749	1123 W. CARSON ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LA CITY, DEPT OF GEN SERVICES	6169	400 YACHT ST. BERTH NO 194, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	922160	Fire protection
LA CITY, DEPT OF GEN SERVICES	17084	2175 JOHN S. GIBSON BLVD. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	922120	Police protection
LA CITY, DWP	837	315 N. ISLAND AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
LA CITY, DWP HARBOR GEN ST. A UNIT NO. 1	7313	161 N. ISLAND AVE. , WILMINGTON 90744	Ts-90 ref/energy: power plants	221118	Other electric power generation
LA CITY, DWP HARBOR GENERATING ST. ATION	800170	161 N. ISLAND AVE., WILMINGTON 90744	Ts-01 cycle i reclaim/title v facility	221112	Fossil fuel electric power generation
LA CITY, HARBOR COLLEGE	16110	1111 FIGUEROA PL, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	611310	Colleges, universities, and professional schools
LA CITY, HARBOR DEPT	61962	500 PIER A ST. BERTH 161, WILMINGTON 90744	Ts-03 cycle i reclaim/non-title v facility	488310	Port and harbor operations
LA CITY, SANITATION BUREAU/MURDOCK & I	124062	1727 E. I ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	562212	Solid waste landfill
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	445 FERRY ST. , SAN PEDRO 90731	Ts-53 toxics: potw, public owned treatment	924110	Administration of air and water resource and solid waste management programs
LA CO DEPT HEALTH SRV,UCLA HARBOR MED HO	457	1000 W. CARSON ST. BOX 499, TORRANCE 90502	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO HARBOR-UCLA MEDICAL CENTER	800312	1000 W. CARSON ST. , TORRANCE 90502	Ts-05 title v (only) facility	622110	General medical and surgical hospitals
LA CO SANITATION DIST, MAIN ST. PUMPING	145353	21028 MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO SANITATION DIST,DAVIDSON CITY PUMP	145350	22200 WILMINGTON AVE. NW OF 223RD ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO SANITATION DIST,LB PUMPING PLANT	6906	1238 W. 16TH ST. , LONG BEACH 90813	Ts-58 toxics: potw lift stations	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71529	950 W. HILL ST. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71533	1450 W. NINTH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71534	600 S. GOLDEN SHORE, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71539	20101 GALWAY ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71540	542 OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71543	275 W. DEL AMO BLVD. , LONG BEACH 90745	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs

Appendix 4-41



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71544	19115 S. REYES AVE. , DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. DEPT OF PUBLIC WORKS FLOOD MAINT.	71545	1100 DE FOREST AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	924110	Administration of air and water resource and solid waste management programs
LA CO. SANITATION DIST	800236	24501 S. FIGUEROA ST. , CARSON 90745	Ts-53 toxics: potw, public owned treatment	221320	Sewage treatment facilities
LA CO., FIRE ST. A #10	10306	1860 E. DEL AMO BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	922160	Fire protection
LA CO., METROPOLITAN TRANS AUTHORITY	50645	450 W. GRIFFITH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	485113	Bus and other motor vehicle transit systems
LA CO., METROPOLITAN TRANS AUTHORITY	69211	1060 W. CARSON ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	485113	Bus and other motor vehicle transit systems
LA CO., SHERIFF'S DEPT.	33108	21356 S. AVALON BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	922120	Police protection
LA UNI SCH DIST, BANNING SR HIGH SCHOOL	11313	1527 LAKME AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LA UNI SCH DIST, CARSON SENIOR HIGH	72815	22328 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LA UNI SCH DIST, WILMINGTON PARK ELEM	72839	1140 MAHAR AVE. , LOS ANGELES 90744	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LA UNI SCHOOL DIST, M&O AREA #8	37202	17729 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	561720	Janitorial services
LAWYERS RETIREMENT HOLDING	136651	711 SANFORD AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LAZARIS OFFICE FURNITURE INC	83178	540 E. ALONDRA, GARDENA 90248	Ts-12 industrial sources - out of business and change of ownership	423210	Furniture merchant wholesalers
LBCT LLC	52015	1171 PIER F AVE. BERTHS 6 10, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
LEGACY PRTRNS I TORRANCE/PALMCOURT PLAZA	153178	950 W. 190TH ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	444130	Hardware stores
LEKOS DYE AND FINISHING, INC	141295	3131 HARCOURT ST. , COMPTON 90221	Ts-04 cycle ii reclaim/non-title v facility	313310	Textile and fabric finishing mills
LEVEL 3 COMMUNICATIONS, LLC	182105	1501 HUGHES WAY, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	484121	General freight trucking, long-distance, truckload
LEYMASTER ENVIRONMENTAL CONSULTING	136914	24721 S. MAIN ST. , CARSON 90745	Ts-57 toxics: r203 voc extraction	541620	Environmental consulting services
LIBERMAN BROADCASTING, INC.	131392	2200 UNIVERSITY DR, COMPTON 90747	Ts-11 industrial: sector-based inspections	515112	Radio stations
LINDE, LLC	50629	1290 E. SEPULVEDA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	325120	Industrial gas manufacturing
LINEAGE LOGISTICS	182800	1710 PIER B ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	722513	Limited-service restaurants
LITTLE BROTHERS BAKERY	179107	340 W. ALONDRA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	311812	Commercial bakeries
LMC ENTERPRISES, DBA FLO-KEM	6315	19400 SUSANA RD, RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	325611	Soap and other detergent manufacturing
LONG BCH HOTEL ASSOC, RENAISSANCE HOTEL	79640	111 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	721110	Hotels (except casino hotels) and motels
LONG BEACH AQUARIUM OF THE PACIFIC	114897	100 AQUARIUM RD, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	712130	Zoos and botanical gardens

Appendix 4-43

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LONG BEACH CITY	13442	4891 ATLANTIC AVE., LONG BEACH 90807	Ts-12 industrial sources - out of business and change of ownership	712190	Nature parks and other similar institutions
LONG BEACH CITY FLEET SERVICES BUREAU	141142	4891 ATLANTIC AVE. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	921190	Other general government support
LONG BEACH CITY UNIFIED SCHOOL DISTRICT	88113	2425 WEBSTER AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	561720	Janitorial services
LONG BEACH CITY, BUILDING SERVICES	85767	333 W. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	921190	Other general government support
LONG BEACH CITY, CITY HALL	42732	333 W. OCEAN BLVD., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	921120	Legislative bodies
LONG BEACH CITY, CONVENTION CENTER	75306	300 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	921190	Other general government support
LONG BEACH CITY, FLEET SERV	42948	400 W. BROADWAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	921190	Other general government support
LONG BEACH CITY, FLEET SERVICES BUREAU	98438	100 MAGNOLIA AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	921190	Other general government support
LONG BEACH CITY, HARBOR DEPT	75460	1400 W. BROADWAY, LONG BEACH 90802	Ts-12 industrial sources - out of business and change of ownership	921190	Other general government support
LONG BEACH CITY, HARBOR DEPT	152595	111 PIER S. AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	924120	Administration of conservation programs
LONG BEACH CITY, SERRF PROJECT	44577	100 PIER S. AVE. , LONG BEACH 90802	Ts-56 toxics: toxic stationary source	562213	Solid waste combustors and incinerators
LONG BEACH CITY, SHORELINE MARINE FUELS	134591	700 E. SHORELINE DR, LONG BEACH 90802	Ts-84 ref/energy: marine term. & tank facilities	447190	Other gasoline stations
LONG BEACH CITY, WATER DEPARTMENT	154379	200 S. MAGNOLIA AVE., LONG BEACH 90802	Ts-58 toxics: potw lift stations	221310	Water supply and irrigation systems

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LONG BEACH COLLISION CENTER CORP.	153914	1460 LONG BEACH BLVD. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811111	General automotive repair
LONG BEACH GENERATION, LLC	115314	2665 PIER S. LN, LONG BEACH 90802	Ts-02 cycle ii reclaim/title v facility	221112	Fossil fuel electric power generation
LONG BEACH JUDICIAL PARTNERS	170154	275 MAGNOLIA AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	236220	Commercial and institutional building construction
LONG BEACH MEMORIAL MEDICAL CENTER	14213	2801 ATLANTIC AVE. , LONG BEACH 90806	Ts-05 title v (only) facility	622110	General medical and surgical hospitals
LONG BEACH MEMORIAL MEDICAL CENTER	155360	2625 PASADENA AVE., LONG BEACH 90806	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals
LONG BEACH POLICE NORTH ST. ATION	140298	4891 ATLANTIC AVE. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	621111	Offices of physicians (except mental health specialists)
LONG BEACH POLICE, WEST STATION	112655	1835 SANTA FE AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	922120	Police protection
LONG BEACH SENIOR ARTIST. COLONY, LP	171900	200 E. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
LONG BEACH SENIOR CITIZEN HOUSING CORP.	155269	575 E. VERNON ST. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
LONG BEACH TRAVEL CENTER, INC.	37653	1670 W. PACIFIC COAST HIGHWAY , LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
LONG BEACH UNI SCH DIST, W. CABRILLO HIGH	125728	2001 SANTA FE AVE. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNI SCH DIST/RENAISSANCE	71080	235 E. 8TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNI SCH DIST/TRANSPORTATION	71098	2700 PINE AVE. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	485410	School and employee bus transportation

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LONG BEACH UNI SCH DIST;POLYTECHNIC HIGH	71075	1600 ATLANTIC AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNIFIED SCHOOL DISTRICT	113950	1515 HUGHES WAY, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNIFIED SCHOOL DISTRICT	140100	730 W. 3RD ST. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNIFIED SCHOOL DISTRICT INT'L	115718	700 LOCUST AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNIFIED SCHOOL DISTRICT/COLIN	165696	150 VICTORIA ST. , LONG BEACH 90805	Ts-11 industrial: sector-based inspections	611110	Elementary and secondary schools
LONG BEACH UNIFIED SCHOOL DISTRICT-MAINT	140187	2425 WEBSTER AVE. , LONG BEACH 90810	Ts-32 area sources: rule 1415 facilities	561720	Janitorial services
LONG BEACH WATER DEPARTMENT	108389	3816 N. SANTA FE AVE. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
LONG BEACH WATER DEPARTMENT	108419	571 HILL ST, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
LONG BEACH WATER DEPARTMENT	108420	322 E SEASIDE WAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	221310	Water supply and irrigation systems
LOS ANGELES CITY, DEPT GEN SVC & FIRE ST.	151439	1005 N. GAFFEY PLACE , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	238220	Plumbing, heating, and air-conditioning contractors
LOS ANGELES CITY, HARBOR DEPT	92944	710 FRONT ST. , SAN PEDRO 90731	Ts-12 industrial sources - out of business and change of ownership	921190	Other general government support
LOS ANGELES COUNTY FLOOD CONTROL DIST	133839	20804 JAMISON AVE. , CARSON 90745	Ts-11 industrial: sector-based inspections	237990	Other heavy and civil engineering construction
LOS ANGELES HARBOR GRAIN TERMINAL	56223	2422 E. SEPULVEDA BLVD. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
LOUIS BURGERS	111440	555 ATLANTIC AVE. , LONG BEACH 90802	Ts-30 area sources: charbroilers	722513	Limited-service restaurants
LOYALTY COLLISION	185024	719 N. FIGUEROA ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
LSC COMMUNICATIONS, LA MFG DIV	185101	19681 PACIFIC GATEWAY DR. , TORRANCE 90502	Ts-02 cycle ii reclaim/title v facility	237110	Water and sewer line and related structures construction
M O DION & SONS, INC.	117518	1543 W. 16TH ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
M.O. DION AND SONS, INC	3606	1569 W. 16TH ST. , LONG BEACH 90813	Ts-82 ref/energy: gasoline bulk loading	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
MAACO COLLISION REPAIR & AUTO PAINTING	142532	924 W. 223RD ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
MAG AEROSPACE INDUSTRIES INC.	135683	1500 GLENN CURTISS ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	332999	All other miscellaneous fabricated metal product manufacturing
MAIN DOOR CORPORATION,	146123	235 E. 157TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423310	Lumber, plywood, millwork, and wood panel merchant wholesalers
MAINFREIGHT, INC.	145658	1400 GLENN CURTISS ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	488510	Freight transportation arrangement
MAN DIESEL	187215	1152 E. DOMINGUEZ ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	811111	General automotive repair

Appendix 4-47

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
MARINE FENDER INT'L, INC.	148053	909 MAHAR AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	336370	Motor vehicle metal stamping
MARTIN CONTAINER SERVICE INC	35352	1402 E. LOMITA BLVD. , WILMINGTON 90744	Ts-50 toxics: landfills, gas collection	423840	Industrial supplies merchant wholesalers
MARUZEN OF AMERICA	64375	19640 RANCHO WAY, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	493120	Refrigerated warehousing and storage
MAX CENTRAL CARSON, INC	171242	17453 S. CENTRAL AVE., CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	531210	Offices of real estate agents and brokers
MAXIMA ENTERPRISES, INC.	62731	23920 S. VERMONT AVE. , HARBOR CITY 90710	Ts-75 toxics: chrome plating	561499	All other business support services
MAXUM PETROLEUM	178698	1028 S. SEASIDE AVE. BERTH 258, TERMINAL ISLAND 90731	Ts-10 industrial: (for future use)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
MCI/VERIZON	107175	17900 S. CENTRAL AVE. , COMPTON 90220	Ts-11 industrial: sector-based inspections	517911	Telecommunications resellers
MCKENNA ENGINEERING AND EQUIPMENT CO INC	133819	1162 E. DOMINGUEZ ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
MEEKER BAKER	177100	650 PINE AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531210	Offices of real estate agents and brokers
MEM HOSP OF GARDENA	16463	1145 W. REDONDO BEACH BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals
MERCADO LATINO INC,CONTINENTAL CANDLE CO	91026	1420 W. WALNUT ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	339999	All other miscellaneous manufacturing
METRO NETWORKS COMMUNICATIONS, INC	172893	1500 HUGHES WAY, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	524114	Direct health and medical insurance carriers

Appendix 4-48



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
METRO TRUCK BODY INC	18971	1201 JON ST. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	336211	Motor vehicle body manufacturing
METROPOLITAN STE.VEDORE COMPANY	8073	1045 PIER G ST. BERTH 212 & 213, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
MHT WHEELS	168452	19200 S. REYES AVE., COMPTON 90221	Ts-11 industrial: sector-based inspections	441310	Automotive parts and accessories stores
MITSUBISHI CEMENT CORPORATION	131160	1150 PIER F BERTH 208 AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	327310	Cement manufacturing
MODERN CONCEPTS INC.	134145	3121 E. ANA ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing
MOLDED FIBER GLASS CO., PARABAM DIV	24770	1130 WATSONCENTER RD, CARSON 90745	Ts-12 industrial sources - out of business and change of ownership	327212	Other pressed and blown glass and glassware manufacturing
MOLECULAR GPS ENT. DBA CLAYTON CHEMICAL	175116	2630 HOMESTEAD PLACE , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	325992	Photographic film, paper, plate, and chemical manufacturing
MOLINA HEALTHCARE, INC.	173114	300 OCEANGATE, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
MONICO ALLOYS INC	92638	18383 SUSANA RD, COMPTON 90221	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
MONICO ALLOYS, INC.	146242	3039 E. ANA ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	423510	Metal service centers and other metal merchant wholesalers
MORRETTI'S DESIGN COLLECTION INC	135046	16926 KEEGAN AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	337122	Nonupholstered wood household furniture manufacturing
MORTIMER & WALLACE, INC.	143322	2422 E. SEPULVEDA BLVD. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
MORTON SALT, INC.	165626	1050 PIER F AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	212393	Other chemical and fertilizer mineral mining
MQ POWER - BUILDING B	129410	18910 WILMINGTON AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	423810	Construction and mining (except oil well) machinery and equipment merchant wholesalers
MSS PROPERTIES	169096	1059 E. BEDMAR ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	531190	Lessors of other real estate property
MULCAHY ENTERPRISES, INC.	26098	1058 N. AVALON BLVD. , WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
MULTI-SPEC PAINTING, INC.	46279	123 W. 155TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	332710	Machine shops
MURRAY COMPANY	171749	18414 SANTA FE AVE., RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	238220	Plumbing, heating, and air-conditioning contractors
MURRAY COMPANY	173391	2919 E. VICTORIA ST. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	238220	Plumbing, heating, and air-conditioning contractors
MUTUAL LIQUID GAS & EQUIP CO	24384	17117 S. BROADWAY, GARDENA 90248	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
MUTUAL LIQUID GAS & EQUIP CO., INC	103863	331 W. WALNUT, GARDENA 90248	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
NAKANO WAREHOUSE AND TRANSPORTATION CORP	147191	18924 S. LAUREL PARK RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
NALCO COMPANY	139668	2111 E. DOMINGUEZ ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	325998	All other miscellaneous chemical product and preparation manufacturing

Appendix 4-50

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
NARMS BABA CORP., ALPINE SHELL & SUBWAY	120181	701 W. TORRANCE BLVD. , TORRANCE 90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
NATIONAL MEDICAL EQUIPMENT	134514	210 W. WALNUT ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	423450	Medical, dental, and hospital equipment and supplies merchant wholesalers
NATIONWIDE MATERIAL HANDLING EQUIPMENT	110095	20434 SUSANA RD, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
NAT'S CLEANERS	170600	641 E. UNIVERSITY DR. , CARSON 90746	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
NEILL AIRCRAFT CO	51232	1336 W. 15TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	336413	Other aircraft parts and auxiliary equipment manufacturing
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	143550	1280 W. WILLOW ST. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	443142	Electronics stores
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	143555	620 N. BANNING AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	517210	Wireless telecommunications carriers
NEW CINGULAR WIRELESS PCS, AT&T MOBILITY	143855	1463 E. 223RD ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	517210	Wireless telecommunications carriers
NEW NGC, INC.	12428	1850 PIER B ST. , LONG BEACH 90813	Ts-02 cycle ii reclaim/title v facility	327420	Gypsum product manufacturing
NEXEO SOLUTIONS, LLC	167091	20915 S. WILMINGTON AVE., CARSON 90810	Ts-11 industrial: sector-based inspections	424690	Other chemical and allied products merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
NICKELL METAL SPRAY INC	146049	1429 W. 15TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
NOIL USA INC, COWLES	188581	1234 W. COWLES ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
NORCO IND INC	16179	365 W. VICTORIA ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	333999	All other miscellaneous general purpose machinery manufacturing
NORTHGATE MARKET	158558	311 W. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores
NORTHROP GRUMMAN FEDERAL CREDIT UNION	141944	879 W. 190TH ST. STE. 800, GARDENA 90248	Ts-11 industrial: sector-based inspections	522130	Credit unions
NORTHSTAR CABINET CONSTRUCTION, INC	180645	17925 S. BROADWAY AVE., GARDENA 90248	Ts-11 industrial: sector-based inspections	337127	Institutional furniture manufacturing
NUMBER ONE AUTO CENTER, JOSE MAGDALENO	162466	1500-04 LONG BEACH, LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
OAKLEYS LUMBER MILL	7873	17724 S. FIGUEROA ST. , GARDENA 90247	Ts-12 industrial sources - out of business and change of ownership	423310	Lumber, plywood, millwork, and wood panel merchant wholesalers
OASIS FUELS/FIONA C ROCHE-LUCE	142115	1777 W. WARDLOW RD, LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
OBERTHUR TECHNOLOGIES	114312	3150 E. ANA ST. , RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	323111	Commercial printing (except screen and books)
O'DONNELL OIL ,LLC	47044	25209 S. VERMONT AVE. , HARBOR CITY 90710	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL CO	47046	1700 N. FIGUEROA ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL LLC	45643	1300 W. LOWEN ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL, LLC	47043	235 W. A ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL, LLC	47047	1451 W. Q ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL, LLC	103976	1400 Q ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL, LLC	149532	25304 MCCOY AVE. , HARBOR CITY 90710	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
O'DONNELL OIL, LLC	177651	25224 DODGE AVE., HARBOR CITY 90710	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
OHL	162376	301 W. WALNUT ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
OIL OPERATORS - BELL LEASE	139733	3560 LOCUST AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS - OLIVE COMMUNITY	139738	640 E. 35TH ST. , LONG BEACH 90806	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS INC.	117724	2700 OLIVE ST. , SIGNAL HILL 90807	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS INC/BUTLER LEASE	142670	2624 MYRTLE AVE. , SIGNAL HILL 90755	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
OIL OPERATORS, INC	142271	3380 PACIFIC AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS, INC	142272	3310 PASADENA AVE. , LONG BEACH 90806	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS, INC	142273	3339 LINDEN AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OIL OPERATORS, INC - FULTON MCKEE	139737	225 E. PEPPER DR, LONG BEACH 90807	Ts-15 industrial: crude oil production	213112	Support activities for oil and gas operations
OMEGA EXTRUDING CORP OF CA	147829	1860 S. ACACIA ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
OMNINET FREEWAY, LP	171923	1500 HUGHES WAY, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	541611	Administrative management and general management consulting services
OMNINET PACIFIC POINTE, LP	181665	879 W. 190TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	532120	Truck, utility trailer, and rv (recreational vehicle) rental and leasing
ONE GOLDEN SHORE, LP	177397	ONE GOLDEN SHORE DR. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
ORION ENVIRONMENTAL INC	148629	950 E. 33RD ST. , SIGNAL HILL 90755	Ts-61 toxics: voc soil remediation	541690	Other scientific and technical consulting services
OSAMU CORPORATION	181379	2637 E. EL PRESIDIO ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	424460	Fish and seafood merchant wholesalers
OXBOW CARBON & MINERALS	107713	1090 PIER G AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	423520	Coal and other mineral and ore merchant wholesalers
OXBOW ENERGY SOLUTIONS, LLC	54530	1281 PIER G E ST., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	423520	Coal and other mineral and ore merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
P & M OIL CO	9391	28TH ST. AND CALIFORNIA AVE. , SIGNAL HILL 90806	Ts-15 industrial: crude oil production	324191	Petroleum lubricating oil and grease manufacturing
P & M OIL COMPANY	113091	150 WARDLOW RD, LONG BEACH 90806	Ts-11 industrial: sector-based inspections	447190	Other gasoline stations
P & M OIL COMPANY INC	159056	758 E 29TH ST, LONG BEACH 90806	Ts-15 industrial: crude oil production	324191	Petroleum lubricating oil and grease manufacturing
PAC AUTO BODY & PAINT	172380	604 SANFORD AVE. #7, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
PACIFIC BELL, AT&T CALIFORNIA, DBA	14265	16208 S. VERMONT AVE. , GARDENA 90247	Ts-11 industrial: sector-based inspections	517911	Telecommunications resellers
PACIFIC BELL, AT&T CALIFORNIA, DBA	25367	1418 N. BROAD AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	238210	Electrical contractors and other wiring installation contractors
PACIFIC BELL,AT&T CALIFORNIA, DBA	17671	17200 S. VERMONT AVE. , GARDENA 90247	Ts-11 industrial: sector-based inspections	517911	Telecommunications resellers
PACIFIC CONTINENTAL TEXTILES, INC.	59618	2880 E. ANA ST. , COMPTON 90221	Ts-01 cycle i reclaim/title v facility	313310	Textile and fabric finishing mills
PACIFIC CRANE MAINTENANCE COMPANY, LLC	181447	250 W. WARDLOW RD, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	811219	Other electronic and precision equipment repair and maintenance
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	19524 S. NORMANDIE AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	811111	General automotive repair
PACIFIC GATEWAY II, LLC	154606	19191 S. VERMONT AVE. ST. E. 100, TORRANCE 90502	Ts-11 industrial: sector-based inspections	531210	Offices of real estate agents and brokers
PACIFIC MARITIME SERVICES, LLC	140600	1521 PIER J AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	541990	All other professional, scientific, and technical services

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PACIFIC PIPELINE SYSTEM LLC.	118954	1520 E. SEPULVEDA BLVD. , CARSON 90745	Ts-82 ref/energy: gasoline bulk loading	237120	Oil and gas pipeline and related structures construction
PACIFIC PIPELINE SYSTEM, LLC.	118955	18421 S. ALAMEDA ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	237120	Oil and gas pipeline and related structures construction
PACIFIC TERMINALS LLC	137515	2500 E. VICTORIA ST. , COMPTON 90220	Ts-04 cycle ii reclaim/non-title v facility	488510	Freight transportation arrangement
PALACE BODY SHOP INC	51376	1048 W. LOMITA BLVD. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
PALO WOODS COURTESY CLEANERS,E MENDOZA E	14690	968 W. SEPULVEDA BLVD. , HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
PARAMOUNT FORGE INC	13101	1721 E. COLON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	332111	Iron and steel forging
PARTER MEDICAL PRODUCTS INC	77129	17115 KINGSVIEW AVE. , CARSON 90746	Ts-55 toxics: eto commercial sterilizers	561910	Packaging and labeling services
PCH PACIFIC /MOBIL, SHANARI CORP	179110	127 W. PACIFIC COAST HIGHWAY, LONG BEACH 90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
PELICAN ENDEAVORS, INC	184250	1403 N. WILMINGTON BLVD. , WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
PENA'S AUTO SALES	118946	1825 E. "I" ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423930	Recyclable material merchant wholesalers
PENNZOIL-QUAKER ST. ATE CO, SOPUS PROD DBA	138877	1926 E. PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	324191	Petroleum lubricating oil and grease manufacturing



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PENSKE TRUCK LEASING CO., L.P.	8311	19646 S. FIGUEROA ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	532120	Truck, utility trailer, and rv (recreational vehicle) rental and leasing
PERFECTION AUTO REPAIR	184792	22632 NORMANDIE AVE. SUITE A, TORRANCE 90502	Ts-11 industrial: sector-based inspections	811118	Other automotive mechanical and electrical repair and maintenance
PERRY LINDSEY INTERNATIONAL ST. UDIES MAGN	178518	5075 DAISY AVE., LONG BEACH 90805	Ts-11 industrial: sector-based inspections	611699	All other miscellaneous schools and instruction
PERVAN TOOLING CO., INC	66849	1716 KONA DR., COMPTON 90220	Ts-11 industrial: sector-based inspections	332710	Machine shops
PETER PEPPER PRODUCTS	9978	17909 S. SUSANA RD, COMPTON 90221	Ts-05 title v (only) facility	337214	Office furniture (except wood) manufacturing
PETRO DIAMOND TERMINAL CO	800079	1920 LUGGER BERTH 83 WAY, LONG BEACH 90813	Ts-05 title v (only) facility	424710	Petroleum bulk stations and terminals
PETROCHEM INSULATION, INC.	149565	19010 S. ALAMEDA ST. , COMPTON 90221	Ts-31 area sources: rule 222 equipment	238310	Drywall and insulation contractors
PETROLEUM MANAGEMENT & MARKETING INC	150812	20223 S. AVALON BLVD. , CARSON 90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	561110	Office administrative services
PETROLEUM MANAGEMENT & MARKETING, INC	165725	598 E. ANAHEIM ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	561110	Office administrative services
PHIL TRANI'S	129231	3490 LONG BEACH BLVD. , LONG BEACH 90807	Ts-30 area sources: charbroilers	722511	Full-service restaurants
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W. ANAHEIM ST. , WILMINGTON 90744	Ts-02 cycle ii reclaim/title v facility	324110	Petroleum refineries



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PHILLIPS 66 CO/WILMINGTON MARINE TERMINA	171123	150 PIER A ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E. SEPULVEDA BLVD. , CARSON 90745	Ts-01 cycle i reclaim/title v facility	324110	Petroleum refineries
PICK YOUR PART AUTO WRECKING	53860	1903 N. BLINN AVE. , WILMINGTON 90744	Ts-50 toxics: landfills, gas collection	423140	Motor vehicle parts (used) merchant wholesalers
PICK YOUR PART AUTO WRECKING	78175	1261 ALAMEDA ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	441310	Automotive parts and accessories stores
PLAINS WEST COAST TERMINALS LLC	137518	1007 E. LOMITA BLVD. , WILMINGTON 90744	Ts-91 ref/energy: floating roof tanks	424710	Petroleum bulk stations and terminals
PLAINS WEST. COAST. TERMINALS LLC	800417	2500 E. VICTORIA ST. , COMPTON 90220	Ts-02 cycle ii reclaim/title v facility	486110	Pipeline transportation of crude oil
PLAINS WEST. COAST. TERMINALS LLC	800420	2685 PIER S. LANE, LONG BEACH 90802	Ts-04 cycle ii reclaim/non-title v facility	486910	Pipeline transportation of refined petroleum products
PLANNED PARENTHOOD, LOS ANGELES	164175	2690 PACIFIC AVE., LONG BEACH 90806	Ts-11 industrial: sector-based inspections	621410	Family planning centers
PLASKOLITE INC	123391	2225 E. DEL AMO BLVD. , COMPTON 90220	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
PLASTICS PAINT PRODUCTION INC	85245	1471 W. 15TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing
PLATINUM HOME MORTGAGE CORP.	171710	20501 AVALON BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	522390	Other activities related to credit intermediation

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PLYMOUTH WEST APARTMENTS	70499	240 CHESTNUT AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
PMM, INC.	127546	26393 VERMONT AVE. , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
POLLO A LA BRASA VERMONT	104767	16527 S. VERMONT, GARDENA 90247	Ts-31 area sources: rule 222 equipment	722511	Full-service restaurants
POLY ONE CORPORATION	126763	2104 E. 223RD ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
PORSCHE CARS NORTH AMERICA, INC.	182079	19800 S. MAIN ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	441110	New car dealers
PORT OF LONG BEACH	109040	2615 PIER A ST. REET EAST, LONG BEACH 90813	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORT OF LONG BEACH	114002	2801 W. OCEAN BLVD. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORT OF LONG BEACH	148141	306 N. HENRY FORD AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORT OF LONG BEACH	156163	1249 PIER F AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORT OF LONG BEACH	172477	725 S. HARBOR SCENIC DR. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORT OF LOS ANGELES	137151	151 HENRY FORD AVE. , TERMINAL ISLAND 90731	Ts-11 industrial: sector-based inspections	488310	Port and harbor operations
PORTER WARNER INDUSTRIES LLC	134172	17700 S. SANTA FE AVE. , RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	531130	Lessors of miniwarehouses and self-storage units
PORTSIDE PARTNERS, LLC.	155908	600 QUEENSWAY DR. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	561499	All other business support services

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PRAXAIR INC	7416	2300 E. PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-01 cycle i reclaim/title v facility	325120	Industrial gas manufacturing
PRAXAIR, INC.	20681	2006 E. 223 ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	325120	Industrial gas manufacturing
PREECE/AEROL, INC., AEROL COMPANY DBA	110296	19560 S. RANCHO WAY, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	336413	Other aircraft parts and auxiliary equipment manufacturing
PREFERRED FREEZER SERVICES OF WILMINGTON	161168	900 E. M ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	493120	Refrigerated warehousing and storage
PREMIER AUTO BODY	93802	16327 S. VERMONT AVE. , GARDENA 90247	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
PREMIER MOTORSPORT, INC.	155420	1035 E. BEDMAR ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	811111	General automotive repair
PRICE AUTOMOBILIA GROUP LLC	155419	2790 E. DEL AMO BLVD. , COMPTON 90221	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
PRIME FINISHING LLC	164435	346 E. ALONDRA AVE., GARDENA 90248	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers
PRIME WHEEL	105903	17704 S. BROADWAY ST. , CARSON 90746	Ts-01 cycle i reclaim/title v facility	336390	Other motor vehicle parts manufacturing
PROLOGIS	162676	19900 SUSANA RD, COMPTON 90221	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
PROLOGIS, L.P.	179265	20704 S. FORDYCE AVE., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
PROPEL INC.	166919	1401 W. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	325110	Petrochemical manufacturing
PROTECTIVE INDUSTRIES INC	145894	18704 FERRIS PL, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing
PROTOTYPE PLASTICS INC	59452	3017 LAS HERMANAS, RANCHO DOMINGUEZ 90221	Ts-12 industrial sources - out of business and change of ownership	327212	Other pressed and blown glass and glassware manufacturing
PRUDENTIAL OVERALL SUPPLY	3578	951 E. SANDHILL, CARSON 90746	Ts-11 industrial: sector-based inspections	448190	Other clothing stores
PSW HAY, LLC	177621	633 SANFORD AVE., WILMINGTON 90744	Ts-11 industrial: sector-based inspections	424910	Farm supplies merchant wholesalers
PURATOS CORPORATION	144539	18831 LAUREL PARK RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	333241	Food product machinery manufacturing
PURITAN BAKERY INC	41223	1624 E. CARSON ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	311812	Commercial bakeries
QUEEN BEACH PRINTERS	125268	937 PINE AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	323111	Commercial printing (except screen and books)
QUICK CLEANERS	76896	18517 S. AVALON BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
R & S. SANDBLASTING, ELLIS & VAN DIV	6237	416 W. 168TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	238990	All other specialty trade contractors
RADIANT SRVS CORP, EL SEGUNDO CLNRS/LDRY	113936	651 W. KNOX ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
RAINBOW TRANSPORT TANK CLEANERS,C.ALBIN	25965	21119 S. WILMINGTON AVE. , LONG BEACH 90810	Ts-56 toxics: toxic stationary source	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
RALPHS GROCERY CO	20604	1100 W. ARTESIA BLVD. , COMPTON 90220	Ts-04 cycle ii reclaim/non-title v facility	445110	Supermarkets and other grocery (except convenience) stores
RAMGUARD, INC	170577	15926 S. FIGUEROA AVE. SUITE A, GARDENA 90248	Ts-11 industrial: sector-based inspections	332322	Sheet metal work manufacturing
RAMSEY'S BODY SHOP, JOSE ALVARADO	119092	1455 W. 16TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
RDS WIRE & CABLE, INC.	141813	223 E. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423610	Electrical apparatus and equipment, wiring supplies, and related equipment merchant wholesalers
REDMAN EQUIPMENT CO	27740	19800 S. NORMANDIE AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	561790	Other services to buildings and dwellings
REFRIGERATED CONTAINER CALIF INC	110261	1304 E. LOMITA BLVD. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811412	Appliance repair and maintenance
REGAL WHEEL CORP	151559	17711 S. BROADWAY ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers
REPUBLIC LAGUN C N. C CORP	107647	800 SPRUCE LAKE DR, HARBOR CITY 90710	Ts-11 industrial: sector-based inspections	423830	Industrial machinery and equipment merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
RESEARCH TOOL & DIE WORKS	98463	17100 S. KEEGAN AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	332119	Metal crown, closure, and other metal stamping (except automotive)
RIBOST TERMINAL, LLC.	111238	1405 PIER "C" ST. , LONG BEACH 90802	Ts-84 ref/energy: marine term. & tank facilities	424710	Petroleum bulk stations and terminals
RJ'S DEMOLITION AND DISPOSAL	173437	355 W. ALONDRA BLVD. , GARDENA 90248	Ts-54 toxics: composting facilities	238910	Site preparation contractors
ROBERTSON'S READY MIX	170047	1605 PIER D ST., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	327320	Ready-mix concrete manufacturing
ROCKET OIL #2	152451	1417 E. ANAHEIM ST. , WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ROCKET OIL #3	107219	16503 S. FIGUEROA, GARDENA 90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ROCKET OIL INC #1	37614	1741 N. WILMINGTON, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ROCKET OIL INC #4	133787	1701 W. ANAHEIM ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
RON & JULIE ENT. INC, PET HAVEN CEMETERY	67527	18300 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	812220	Cemeteries and crematories
ROOSEVELT MEM PARK ASSOC	540	18255 S. VERMONT AVE. , LOS ANGELES 90247	Ts-11 industrial: sector-based inspections	812220	Cemeteries and crematories
ROTATIONAL MOLDING, INC	167662	17038 FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	326199	All other plastics product manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
ROVINCE INTERNATIONAL CORP.	173068	172 E. MANVILLE ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	423130	Tire and tube merchant wholesalers
ROYAL ADHESIVES AND SEALANTS LLC	146711	800 E. ANAHEIM ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325998	All other miscellaneous chemical product and preparation manufacturing
ROYAL CARE SKILLED NURSING	155860	2725 PACIFIC AVE., LONG BEACH 90806	Ts-11 industrial: sector-based inspections	623110	Nursing care facilities (skilled nursing facilities)
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	1250 W. SEPULVEDA BLVD. , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
ROYCE OIL	171203	1250 SEPULVEDA BLVD. , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
S & C OIL CO INC	63809	SE PASADENA, LONG BEACH 90807	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
S & C OIL CO INC, MOORE LEASE	40715	200 NW PASADENA, LONG BEACH 90806	Ts-15 industrial: crude oil production	561499	All other business support services
S & K AUTOMOTIVE SERVICES, WOO B. SHIM	106648	22400 S. AVALON BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
S & M SERVICE ST. ATION, INC	144027	16435 S. FIGUEROA ST., GARDENA 90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
S.A. IBARAOH AND OTHOM LLC	176837	401 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531190	Lessors of other real estate property
SA RECYCLING	152952	901 NEW DOCK ST. , TERMINAL ISLAND 90731	Ts-56 toxics: toxic stationary source	423930	Recyclable material merchant wholesalers



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SA RECYCLING	173824	482 PIER "T" AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	562920	Materials recovery facilities
SAINT MARY'S MEDICAL CENTER	10267	1050 LINDEN AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	621493	Freestanding ambulatory surgical and emergency centers
SAMPSON OPERATORS	84038	1545 N. BLINN AVE. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
SAM'S BODY REPAIR & PAINT	171368	1427 LONG BEACH BLVD. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
SAM'S WEST, INC. SAM'S CLUB #6617	100950	1399 ARTESIA BLVD. , GARDENA 90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	452910	Warehouse clubs and supercenters
SAN PEDRO BAY PIPELINE COMPANY	164870	1521 S. HARBOR SCENIC DR., LONG BEACH 90802	Ts-82 ref/energy: gasoline bulk loading	486110	Pipeline transportation of crude oil
SAN PEDRO CHEVRON	152177	1105 N. GAFFEY ST. , SAN PEDRO 90731	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
SAN PEDRO FISH MARKET & RESTNT,H. UNGARD	79715	1190 NAGOYA WAY, SAN PEDRO 90731	Ts-31 area sources: rule 222 equipment	445220	Fish and seafood markets
SAN PEDRO SIGN COMPANY	109035	701 LAKME AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	339950	Sign manufacturing
SAN PEDRO TERMINAL ISLAND FACILITLY	182992	2001 S. SEASIDE AVE., SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	922110	Courts
SANTA FE CONVALESCENT HOSPITAL	179299	3294 SANTA FE AVE., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	623311	Continuing care retirement communities
SANTA MONICA SEAFOOD COMPANY, INC.	131500	18531 BROADWICK ST. ATTN: BRISCH IBARRA, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	445220	Fish and seafood markets



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SCHLOBOHM COMPANY, INC	82598	19200 LAUREL PARK RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	326299	All other rubber product manufacturing
SCOTCH PAINT CORP	2701	555 W. 189TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	325510	Paint and coating manufacturing
SEA TEK YACHTING, INC.	162362	508 E. E ST. SUITE B, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811310	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance
SEACHROME CORPORATION	172001	1906 E. DOMINGUEZ ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	332119	Metal crown, closure, and other metal stamping (except automotive)
SEAPORT TIRE CO INC	149498	2021 W. ANAHEIM ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	326211	Tire manufacturing (except retreading)
SECCA CORPORATION	92193	400 W. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
SEE'S CANDIES	119128	20600 S. ALAMEDA ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	454113	Mail-order houses
SEPULVEDA BLDG MATERIALS	55321	359 E. GARDENA BLVD. , CARSON 90248	Ts-11 industrial: sector-based inspections	444190	Other building material dealers
SFPP, L.P. (NSR USE)	800278	20410 S. WILMINGTON AVE., CARSON 90810	Ts-91 ref/energy: floating roof tanks	486910	Pipeline transportation of refined petroleum products
SHELL	166764	500 W. ANAHEIM ST. , LONG BEACH 90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
SHELL OIL CO GNRL	53853	20945 S. WILMINGTON AVE. , CARSON 90745	Ts-81 ref/energy: refineries	486210	Pipeline transportation of natural gas

Appendix 4-66

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SHELL OIL CO UNIT NO. 17	12239	622 E. SEPULVEDA BLVD. , CARSON 90745	Ts-91 ref/energy: floating roof tanks	324110	Petroleum refineries
SHELL OIL CO UNIT NO. 63	11076	20945 S. WILMINGTON AVE. , CARSON 90745	Ts-81 ref/energy: refineries	324110	Petroleum refineries
SHORE TERMINALS LLC	117851	841 LA PALOMA AVE. , WILMINGTON 90744	Ts-84 ref/energy: marine term. & tank facilities	424710	Petroleum bulk stations and terminals
SHORELINE SQUARE	145761	301 E. OCEAN BLVD. STE. 410, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	236117	New housing for-sale builders
SIGNAL HILL PETROLEUM, INC.	170541	550 E. SPRING ST. , LONG BEACH 90806	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
SIGNAL HILL PETROLEUM, INC.	170543	560 E. CANTON, LONG BEACH 90755	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
SIGNATURE FLEXIBLE PACKAGING INC	146540	1120 E. SANDHILL AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	561910	Packaging and labeling services
SIR MIX CONCRETE PRODUCTS, INC.	45780	1001 E. LOMITA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	327320	Ready-mix concrete manufacturing
SMG	109393	300 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531312	Nonresidential property managers
SNYDER MFG CORP	12626	1541 W. COWLES ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	325998	All other miscellaneous chemical product and preparation manufacturing
SO CAL EDISON CO	58665	1990 CASHDAN ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	221118	Other electric power generation
SO CAL EDISON CO UNIT NO. 1	2982	2500 E. VICTORIA ST. , COMPTON 90220	Ts-84 ref/energy: marine term. & tank facilities	561110	Office administrative services
SOCAL AUTO IMAGE	185256	1745 DAISY AVE., LONG BEACH 90813	Ts-11 industrial: sector-based inspections	541922	Commercial photography

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SOCAL HOLDING LLC	166595	1450 CHARLES WILLARD ST. , CARSON 90746	Ts-15 industrial: crude oil production	444130	Hardware stores
SOLUTIA, INC	115543	2100 E. 223RD ST. , CARSON 90810	Ts-57 toxics: r203 voc extraction	325220	Artificial and synthetic fibers and filaments manufacturing
SOLVAY USA, INC	177042	20851 S. SANTA FE AVE., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	236220	Commercial and institutional building construction
SONIC INDUSTRIES INC	115662	20030 S. NORMANDIE, TORRANCE 90502	Ts-11 industrial: sector-based inspections	332710	Machine shops
SONY CORP - NDC	87976	2201 E. CARSON ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	423620	Household appliances, electric housewares, and consumer electronics merchant wholesalers
SOS METALS, INC	169549	201 E. GARDENA BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423930	Recyclable material merchant wholesalers
SOURCE CORP BPS SOUTHERN CALIFORNIA	144730	20500 BELSHAW AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	561990	All other support services
SOUTH PARK MANOR	185425	17100 S. PARK LANE, GARDENA 90247	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
SOUTHERN CALIFORNIA GAS COMPANY (OM 2439	178435	625 E. ANAHEIM ST. WARREN E&P, WILMINGTON 90744	Ts-11 industrial: sector-based inspections	541611	Administrative management and general management consulting services
SOUTHWESTERN IND., INC.	76277	2605 HOMESTEAD PL, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	332216	Saw blade and handtool manufacturing
SPECTRUM LABORATORIES, INC	124819	18617 BROADWICK ST. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	339112	Surgical and medical instrument manufacturing
SPEEDIES DRY CLEANERS	167786	2057 LONG BEACH BLVD. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
SSA CONTAINERS, INC.	172519	1160B PIER F, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
SSA MARINE PACIFIC CONTAINER TERMINAL	173256	570 HARBOR SCENIC WAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813910	Business associations
SSA TERMINALS	135358	700 PIER A PLAZA, LONG BEACH 90813	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
SSA TERMINALS, LLC	146879	1521 PIER C ST. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	561311	Employment placement agencies
ST MARY MEDICAL CENTER	108234	1045 ATLANTIC AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	621111	Offices of physicians (except mental health specialists)
ST MARY MEDICAL CENTER	108235	1043 ELM AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	622110	General medical and surgical hospitals
STAPLETON TECHNOLOGIES	2471	1350 W. 12TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	325998	All other miscellaneous chemical product and preparation manufacturing
STEVEDORING SERVICES OF AMERICA	122544	1521 PIER C ST. PIER C-60, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
STEVEDORING SERVICES OF AMERICA	135597	1521 PIER J ST. HARBOR SCENIC DR, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
STEWART FILMSCREEN CORP	11272	1161 W. SEPULVEDA & 2311 ALEXAND BLVD. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	333316	Photographic and photocopying equipment manufacturing
STRATZEN INC.	178771	21313 AVALON BLVD. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
STRICKLIN-SNIVELY MORTUARY	39566	1952 LONG BEACH BLVD. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	812220	Cemeteries and crematories

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
STUDIO CONCEPTS	149006	2662 E. DEL AMO BLVD. , COMPTON 90221	Ts-11 industrial: sector-based inspections	423440	Other commercial equipment merchant wholesalers
SUN DYEING & FINISHING CO INC	72390	15621 S. BROADWAY CENTER, GARDENA 90248	Ts-11 industrial: sector-based inspections	313310	Textile and fabric finishing mills
SUNNYSIDE NURSING CENTER	131341	22617 S. VERMONT AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	623110	Nursing care facilities (skilled nursing facilities)
SUNSTATE EQUIPMENT CO. LLC	135965	17310 S. MAIN ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	532490	Other commercial and industrial machinery and equipment rental and leasing
SUPERIOR ELECTRICAL ADVERTISING	43478	1700 W. ANAHEIM ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	339950	Sign manufacturing
SUPERIOR GROCERS	161326	1033 LONG BEACH BLVD. # 117, LONG BEACH 90813	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores
SYUFY ENTER.	7699	20151 S. MAIN ST. , CARSON 90745	Ts-50 toxics: landfills, gas collection	512132	Drive-in motion picture theaters
T B PROPERTIES	77383	1601 N. BLINN AVE. , WILMINGTON 90744	Ts-15 industrial: crude oil production	213111	Drilling oil and gas wells
TAG LEARNING CENTERS INC.	109514	1810 ACACIA AVE. , COMPTON 90220	Ts-11 industrial: sector-based inspections	339999	All other miscellaneous manufacturing
TARGET CORP, #T-2026	143020	20700 AVALON BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	448120	Women's clothing stores
TARGET CORP, TARGET CARSON T-2328	87476	651 W. SEPULVEDA, CARSON 90745	Ts-11 industrial: sector-based inspections	452112	Discount department stores
TARGET ST. ORE # 2319	87472	950 E. 33RD ST. , LONG BEACH 90807	Ts-11 industrial: sector-based inspections	452112	Discount department stores
TARGET ST. ORE #2275	151398	1701 S. ALAMEDA ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	452112	Discount department stores

Appendix 4-70

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TAWWAKAL CORPORATION	142829	6605 LONG BEACH BLVD. , LONG BEACH 90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
TEAM MANUFACTURING, INC.	132290	2625 HOMESTEAD PL, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	332119	Metal crown, closure, and other metal stamping (except automotive)
TECHMER PM, LLC	47633	18420 LAUREL PARK RD, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	325211	Plastics material and resin manufacturing
TELAIR INTERNATIONAL	129182	2930 E. MARIA ST. , RANCHO DOMINGUEZ 90221	Ts-12 industrial sources - out of business and change of ownership	336413	Other aircraft parts and auxiliary equipment manufacturing
TELL STE.EL, INC	20882	2345 W. 17TH ST. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	423510	Metal service centers and other metal merchant wholesalers
TER-ABRAMYAN INC/L A PAINT & BODY WORKS	140770	534 W. REDONDO BEACH BLVD. , GARDENA 90248	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers
TERMINAL CAR LEASING	112964	21107 S. CHICO ST. , CARSON 90745	Ts-50 toxics: landfills, gas collection	532120	Truck, utility trailer, and rv (recreational vehicle) rental and leasing
TERMO COMPANY	120617	3241 ELM AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TERMO COMPANY	120618	3159 PASADENA AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TERMO COMPANY	120620	640 E. 35TH ST. , LONG BEACH 90807	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TESORO (ARCO) #62544	170709	204 E. SEPULVEDA BLVD. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	211111	Crude petroleum and natural gas extraction
TESORO (USA) 63073	171698	23900 S. AVALON BLVD. , CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
TESORO (USA) 63082	171686	1025 W. ANAHEIM ST. , WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
TESORO LOGISTICS LONG BEACH TERMINAL	172878	820 CARRACK AVE., LONG BEACH 90813	Ts-05 title v (only) facility	713940	Fitness and recreational sports centers
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST. , LONG BEACH 90813	Ts-05 title v (only) facility	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
TESORO LOGISTICS MARINE TERMINAL 3	176369	1300 PIER B ST., LONG BEACH 90813	Ts-11 industrial: sector- based inspections	541990	All other professional, scientific, and technical services
TESORO LOGISTICS OPERATIONS LLC	178855	712 BAKER ST. , LONG BEACH 90806	Ts-61 toxics: voc soil remediation	486210	Pipeline transportation of natural gas
TESORO LOGISTICS TERMINAL 1 (BERTH 121)	176389	620 PIER T ST. BERTH 121, LONG BEACH 90802	Ts-11 industrial: sector- based inspections	488999	All other support activities for transportation
TESORO LOGISTICS, CARSON CRUDE TERMINAL	174694	24696 S. WILMINGTON AVE., CARSON 90745	Ts-05 title v (only) facility	324110	Petroleum refineries
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	1930 E. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-11 industrial: sector- based inspections	424710	Petroleum bulk stations and terminals

Appendix 4-72



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TESORO LOGISTICS,CARSON PROD TERMINAL	174703	2149 E. SEPULVEDA BLVD. , CARSON 90745	Ts-05 title v (only) facility	424710	Petroleum bulk stations and terminals
TESORO REF & MKT P. HONG #68624	152034	911 W. CARSON ST. , TORRANCE 90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
TESORO REF & MKT P. HONG #68626	152027	19008 S. NORMANDIE AVE., TORRANCE 90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
TESORO REF & MKTG CO LLC,CALCINER	174591	2450 PIER B ST. , LONG BEACH 90813	Ts-01 cycle i reclaim/title v facility	324199	All other petroleum and coal products manufacturing
TESORO REF & MKTG. J KHANGURA #68517	151914	22232 S. WILMINGTON AVE., CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
TESORO REFINING & MARKETING CO, LLC	174655	2350 E. 223RD ST. , CARSON 90810	Ts-02 cycle ii reclaim/title v facility	324110	Petroleum refineries
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S. ALAMEDA ST. , CARSON 90810	Ts-01 cycle i reclaim/title v facility	325180	Other basic inorganic chemical manufacturing
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-01 cycle i reclaim/title v facility	324110	Petroleum refineries
TESORO SOCAL PIPELINE COMPANY LLC	174707	1801 SEPULVEDA BLVD. , CARSON 90745	Ts-11 industrial: sector-based inspections	447190	Other gasoline stations
TEXOLLINI INC	96587	2575 EL PRESIDIO ST. , CARSON 90810	Ts-03 cycle i reclaim/non-title v facility	313310	Textile and fabric finishing mills
THE DYE HOUSE, L.A., LLC	176821	935 E. ARTESIA BLVD. "B", CARSON 90746	Ts-12 industrial sources - out of business and change of ownership	812320	Dry-cleaning and laundry services (except coin-operated)



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
THE FLAME BROILER, BROILER GROUP 786 OF	165715	321 E. WILLOW ST. #D, LONG BEACH 90806	Ts-31 area sources: rule 222 equipment	722511	Full-service restaurants
THE FOAM FACTORY	129540	17515 SANTA FE, RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	326150	Urethane and other foam product (except polystyrene) manufacturing
THE HOME DEPOT	141026	751 SPRING ST. , SIGNAL HILL 90807	Ts-11 industrial: sector-based inspections	561110	Office administrative services
THE JANKOVICH CO	1971	723 S FRIES, SAN PEDRO 90744	Ts-82 ref/energy: gasoline bulk loading	441310	Automotive parts and accessories stores
THE SALVATION ARMY (CALIF CORP)	121507	180 E. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531110	Lessors of residential buildings and dwellings
THE ST. RIP JOINT INC	180571	22624 S. NORMANDIE AVE. UNIT B, TORRANCE 90502	Ts-11 industrial: sector-based inspections	811420	Reupholstery and furniture repair
THRIFTY OIL CO. # 073	161310	23900 AVALON BLVD. , CARSON 90745	Ts-57 toxics: r203 voc extraction	447190	Other gasoline stations
THUMS LONG BEACH	800330	1105 HARBOR SCENIC DR. PIERS J1-J6, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	211111	Crude petroleum and natural gas extraction
THUMS LONG BEACH CO	103299	1205 W. BROADWAY, LONG BEACH 90813	Ts-87 ref/energy: re-refiners	211111	Crude petroleum and natural gas extraction
THUMS LONG BEACH CO	129497	1411 PIER D ST. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	221112	Fossil fuel electric power generation
THUNDER ST. UDIOS, INC	176909	20434 S. SANTA FE AVE., LONG BEACH 90810	Ts-11 industrial: sector-based inspections	711190	Other performing arts companies
TIDELANDS OIL PROD CO - NC LEASE	151165	900 HENRY FORD AVE. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PROD CO - PIER D SOUTH SIT	151196	6 W PIER D ST., LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/A4/A5 SITE	149851	795 HARBOR SCENIC DR, LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/CARRACK	149858	405 CARRACK AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/J1 SITE	149854	1000 HARBOR SCENIC DR, LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/J3 SITE	149856	1160 HARBOR SCENIC DR, LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/J4 SITE	149870	1595 PIER J AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER A WEST	149881	401 HENRY FORD AVE. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER C	149860	1573 PIER C ST., LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER G SITE	149872	1339 PIER G AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER J SITE	149880	1755 PIER J AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER S. EAST	149879	134 PIER S AVE., LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/PIER T WELLS	151057	855 PIER T ST., LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/REEF SITE	149884	875 QUEENSWAY DR, LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/STANDARD LEA	149885	1498 LONG BEACH FWY, LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction

Appendix 4-75

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TIDELANDS OIL PRODUCTION CO/W WELLS SITE	149883	3100 W. OCEAN BLVD. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/WEST DOW	149886	3555 DOCK ST. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/YARD PROD YA	149825	705 S. PICO AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION CO/Z1 SITE	149847	650 PIER F AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION COMPANY	136965	975 PIER F AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION COMPANY	144798	1380 PIER F AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION COMPANY ETAL	68117	552 PIER T AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	230 S. PICO AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION COMPANY, ETAL	68112	228 PIER D AVE. , LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIDELANDS OIL PRODUCTION/PIER E. SITE	149867	1001 W PIER E ST., LONG BEACH 90802	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
TIME WARNER CABLE	157180	605 E. G ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	515210	Cable and other subscription programming
TJ INVESTMENTS, TOM SCOTT DBA	141741	3329 LINDEN AVE. , LONG BEACH 90807	Ts-15 industrial: crude oil production	523910	Miscellaneous intermediation
TJH CLASSIC CARS LLC	160013	903 E. WALNUT ST. , CARSON 90746	Ts-11 industrial: sector-based inspections	441120	Used car dealers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TMC CO.	61501	16334 S. AVALON, CARSON 90746	Ts-12 industrial sources - out of business and change of ownership	333511	Industrial mold manufacturing
TOM'S BODY SHOP	53702	1011 W. 167TH ST. , GARDENA 90247	Ts-12 industrial sources - out of business and change of ownership	811111	General automotive repair
TOM'S BURGER #9	74258	1101 AVALON BLVD. , WILMINGTON 90744	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
TOM'S BURGERS #1	75581	201 W. ANAHEIM ST. , WILMINGTON 90744	Ts-31 area sources: rule 222 equipment	722513	Limited-service restaurants
TORN & GLASSER, INC	106327	18933 S. REYES AVE. , RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
TORRANCE LOGISTICS COMPANY LLC	182816	551 PILCHARD ST. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	488999	All other support activities for transportation
TORRANCE LOGISTICS COMPANY, LLC	182753	799 S. SEASIDE AVE. B #238-240, TERMINAL ISLAND 90731	Ts-05 title v (only) facility	488999	All other support activities for transportation
TOTAL TERMINALS LLC	139128	301 HANJIN RD, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling
TOTAL TIRES INC	137944	19118 S. REYES AVE. , COMPTON 90221	Ts-11 industrial: sector-based inspections	441320	Tire dealers
TOYOTA LOGISTICS SERVICES, INC	38908	785 EDISON AVE. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	423110	Automobile and other motor vehicle merchant wholesalers
TP INDUSTRIAL, INC	51619	525 E. ALONDRA BLVD. , GARDENA 90248	Ts-57 toxics: r203 voc extraction	531190	Lessors of other real estate property
TRANS PACIFIC CONTAINER	138955	920 W. HARRY BRIDGES BLVD. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	488320	Marine cargo handling

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
TRU-CUT INC	144697	141 E. 157TH ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	333112	Lawn and garden tractor and home lawn and garden equipment manufacturing
TRY-COAT DIV OF P.E. WHITE & SON INC	76337	346 E. ALONDRA, GARDENA 90248	Ts-12 industrial sources - out of business and change of ownership	423830	Industrial machinery and equipment merchant wholesalers
TTX COMPANY	183265	710 EARLE ST. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	484121	General freight trucking, long-distance, truckload
TURCO PRODUCTS INC	54124	24700 S. MAIN ST. , CARSON 90745	Ts-60 toxics: rule 1166 plans	424690	Other chemical and allied products merchant wholesalers
U.S. HANGER COMPANY, LLC	156628	17501 S. DENVER AVE., GARDENA 90248	Ts-11 industrial: sector-based inspections	326199	Other plastics product manufacturing
ULTRAMAR INC	63728	2402 E. ANAHEIM ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	324110	Petroleum refineries
ULTRAMAR INC	800026	2402 E. ANAHEIM ST. , WILMINGTON 90744	Ts-01 cycle i reclaim/title v facility	324110	Petroleum refineries
ULTRAMAR INC	800198	961 LA PALOMA AVE., WILMINGTON 90744	Ts-05 title v (only) facility	493190	Other warehousing and storage
ULTRAMAR INC UNIT NO.23	63740	2402 E. ANAHEIM ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	211111	Crude petroleum and natural gas extraction
ULTRAMAR INC, UNIT NO.13	63746	2402 E. ANAHEIM ST. , WILMINGTON 90744	Ts-91 ref/energy: floating roof tanks	211111	Crude petroleum and natural gas extraction
ULTRAMAR REFINING UNIT NO.11	63729	2402 E. ANAHEIM ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	324110	Petroleum refineries
ULTRAMAR, INC	127749	1220 N. ALAMEDA ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	493190	Other warehousing and storage

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
UNIBODY AUTO COLLISION	163349	16401 S. AVALON BLVD. , CARSON 90746	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
UNION BANK BLDG, 400 OCEANGATE LTD.	69263	400 OCEANGATE BLVD., LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531210	Offices of real estate agents and brokers
UNION BANK BLDG, KEESAL, YOUNG & LOGAN	105432	400 OCEANGATE, LONG BEACH 90802	Ts-30 area sources: charbroilers	541110	Offices of lawyers
UNION PACIFIC RAILROAD	122101	2442 E. CARSON ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	482111	Line-haul railroads
UNION PACIFIC RAILROAD	144572	2401 E. SEPULVEDA BLVD. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	332323	Ornamental and architectural metal work manufacturing
UNION PACIFIC RAILROAD - DOLORES FACILIT	125245	2442 E. CARSON ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	524210	Insurance agencies and brokerages
UNION SUPPLY GROUP	184082	2301 E. PACIFICA PLACE , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	424410	General line grocery merchant wholesalers
UNITED FABRICARE SUPPLY INC	93487	1237 W. WALNUT ST. , COMPTON 90220	Ts-11 industrial: sector-based inspections	423850	Service establishment equipment and supplies merchant wholesalers
UNITED FAMILY LLC	160523	3401 LONG BEACH BLVD. , LONG BEACH 90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
UNITED PACIFIC #0217	188655	22222 WILMINGTON AVE., CARSON 90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
UNITED RENTAL	145733	2020 W. PACIFIC COAST HIGHWAY, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	532490	Other commercial and industrial machinery and equipment rental and leasing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
UNOCAL OIL CO OF CAL, OIL & GAS DIV	8934	17810 S. CENTRAL AVE. , COMPTON 90220	Ts-09 non-inspection: potential inactivations (from ts 10)	561730	Landscaping services
URBAN VILLAGE APARTMENTS	176594	1081 LONG BEACH BLVD. , LONG BEACH 90813	Ts-11 industrial: sector-based inspections	561990	All other support services
US BORAX & CHEM CORP	2983	300 FALCON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
US BORAX & CHEM CORP UNIT NO. 2	18636	300 FALCON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
US BORAX & CHEM CORP UNIT NO. 9	8066	300 FALCON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
US BORAX INC	9638	300 FALCON ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	325180	Other basic inorganic chemical manufacturing
US BORAX INC	800149	300 FALCON ST. , WILMINGTON 90744	Ts-04 cycle ii reclaim/non-title v facility	325180	Other basic inorganic chemical manufacturing
US COAST GUARD ISC SAN PEDRO	4722	1001 S. SEASIDE AVE. BLDG 10, SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	928110	National security
US GOVT, FED CORRECTIONAL INST (FCI)	25248	1299 S. SEASIDE (TERMINAL ISLAND) AVE. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	922140	Correctional facilities
V & J POWDER COATINGS, INC	138283	135 E. 163RD ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	444120	Paint and wallpaper stores
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST. , WILMINGTON 90744	Ts-81 ref/energy: refineries	324121	Asphalt paving mixture and block manufacturing
VALLEY OF THE SUN COSMETICS, LLC	175407	535 PATRICE PLACE , GARDENA 90248	Ts-11 industrial: sector-based inspections	424210	Drugs and druggists' sundries merchant wholesalers



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
VALMONT COATINGS, CALWEST GALVANIZING	118817	2226 E. DOMINGUEZ ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	332812	Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers
VAZQUEZ BODY REPAIR	133484	434 N. AVALON BLVD. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	811121	Automotive body, paint, and interior repair and maintenance
VICTORIA GOLF COURSE	112037	340 E. 192ND ST. , CARSON 90746	Ts-51 toxics: landfills, other	713910	Golf courses and country clubs
VILI GROUP INC	178964	1430 E. PACIFIC COAST HIGHWAY, WILMINGTON 90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	447190	Other gasoline stations
VINOTEMP, INT'L	111461	17631 SUSANA RD, RANCHO DOMINGUEZ 90221	Ts-11 industrial: sector-based inspections	337125	Household furniture (except wood and metal) manufacturing
VIRGINIA COUNTRY CLUB	129050	4602 VIRGINIA RD, LONG BEACH 90807	Ts-11 industrial: sector-based inspections	713910	Golf courses and country clubs
VISTA COVE CARE CENTER AT LONG BEACH	178315	3401 CEDAR AVE., LONG BEACH 90807	Ts-11 industrial: sector-based inspections	623110	Nursing care facilities (skilled nursing facilities)
VONS # 1625	144716	1260 W. REDONDO BEACH BLVD. , GARDENA 90247	Ts-11 industrial: sector-based inspections	445110	Supermarkets and other grocery (except convenience) stores
VONS FUEL CENTER #1625	127286	1320 W. REDONDO BEACH BLVD. , GARDENA 90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	445110	Supermarkets and other grocery (except convenience) stores
VOPAK TERMINAL LONG BEACH INC,A DELAWARE	137722	3601 DOCK ST. , SAN PEDRO 90731	Ts-84 ref/energy: marine term. & tank facilities	493190	Other warehousing and storage



Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
VOPAK TERMINAL LOS ANGELES, INC.	6586	401 CANAL ST. , WILMINGTON 90744	Ts-84 ref/energy: marine term. & tank facilities	488320	Marine cargo handling
VOPAK TERMINAL LOS ANGELES, INC.	21482	2200 PACIFIC COAST HIGHWAY , WILMINGTON 90744	Ts-91 ref/energy: floating roof tanks	488320	Marine cargo handling
W/GL OCEAN AVENUE LB HOLDINGS VII, LLC	181084	1 WORLD TRADE CENTER #198, LONG BEACH 90831	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
WALMART #5072	144703	19503 S. NORMANDIE AVE. , TORRANCE 90502	Ts-11 industrial: sector-based inspections	452112	Discount department stores
WARD'S DUMP CLOSED LANDFILL	173743	777 W. 190TH ST. , GARDENA 90248	Ts-50 toxics: landfills, gas collection	562212	Solid waste landfill
WARREN E & P INC	156331	709 E. E ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
WARREN E & P, INC	156418	1445 JUDSON AVE., LONG BEACH 90813	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
WARREN E&P, INC	144681	625 E. ANAHEIM ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
WARREN E. & P, INC.	149027	2209 E. I ST. , WILMINGTON 90744	Ts-15 industrial: crude oil production	211111	Crude petroleum and natural gas extraction
WASHINGTON IRON WORKS	43457	17926 S. BROADWAY, GARDENA 90247	Ts-11 industrial: sector-based inspections	332323	Ornamental and architectural metal work manufacturing
WASTE MANAGEMENT CARSON TRANSFER ST. ATION	143890	321 FRANCISCO ST. , CARSON 90745	Ts-52 toxics: transfer stations	562219	Other nonhazardous waste treatment and disposal
WASTE MANAGEMENT, INC.	47634	1970 E. 213TH ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	562219	Other nonhazardous waste treatment and disposal
WATERMAN SUPPLY COMPANY	140366	910 MAHAR AVE. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423860	Transportation equipment and supplies (except motor vehicle) merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
WATSON BUILDING 201	159259	2000 CARSON ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
WATSON LAND CO	124761	21750 ARNOLD CENTER RD, LONG BEACH 90810	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
WATSON LEGACY 219	158964	2116 E. 220TH ST. , CARSON 90810	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
WATSON PARTNERS	128757	18831 FERRIS PL, RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	531120	Lessors of nonresidential buildings (except miniwarehouses)
WATSON PARTNERS, LP	170506	19702 S. MAIN ST. , CARSON 90746	Ts-51 toxics: landfills, other	531120	Lessors of nonresidential buildings (except miniwarehouses)
WEST BASIN CONTAINER TERMINAL (WBCT) LLC	150720	2050 JOHN S. GIBSON BLVD. , SAN PEDRO 90731	Ts-11 industrial: sector-based inspections	424130	Industrial and personal service paper merchant wholesalers
WEST COAST AEROSPACE	113268	24224 BROAD ST. , CARSON 90745	Ts-11 industrial: sector-based inspections	423840	Industrial supplies merchant wholesalers
WEST OCEAN ASSOCIATION	148323	400 W. OCEAN BLVD. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	531190	Lessors of other real estate property
WEST OCEAN ASSOCIATION	149509	411 W. SEASIDE WAY, LONG BEACH 90802	Ts-11 industrial: sector-based inspections	813990	Other similar organizations (except business, professional, labor, and political organizations)
WEST WOOD PRODUCTS INC	136337	2943 E. LAS HERMANAS ST. , COMPTON 90221	Ts-11 industrial: sector-based inspections	337122	Nonupholstered wood household furniture manufacturing

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
WEST. COAST. SANDBLASTING, INC.	162265	1516 HAYES AVE., LONG BEACH 90813	Ts-11 industrial: sector-based inspections	238990	All other specialty trade contractors
WESTERN AIR & REFRIGERATION CO	2090	15914 S. AVALON BLVD. , RANCHO DOMINGUEZ 90220	Ts-12 industrial sources - out of business and change of ownership	238220	Plumbing, heating, and air-conditioning contractors
WESTERN FUEL GROUP, INC	180438	900 W. SEPULVEDA BLVD. , HARBOR CITY 90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	424720	Petroleum and petroleum products merchant wholesalers (except bulk stations and terminals)
WESTERN SHIELD ACQUISITIONS LLC	151495	2146 E. GLADWICK ST. , RANCHO DOMINGUEZ 90220	Ts-11 industrial: sector-based inspections	323111	Commercial printing (except screen and books)
WILLOW CLEANERS	16151	440 W. WILLOW ST. , LONG BEACH 90806	Ts-11 industrial: sector-based inspections	812320	Dry-cleaning and laundry services (except coin-operated)
WILMINGTON IRON WORKS, INC	44077	432 W. C ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	332710	Machine shops
WILMINGTON LIQUID BULK TERM INC GNRL	54004	401 CANAL AVE. , WILMINGTON 90744	Ts-91 ref/energy: floating roof tanks	424710	Petroleum bulk stations and terminals
WILMINGTON PARK INC	154445	21633 S. WILMINGTON AVE., LONG BEACH 90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	238990	All other specialty trade contractors
WOODCRAFTERS	130386	1560 W. ESTHER ST. , LONG BEACH 90813	Ts-12 industrial sources - out of business and change of ownership	442291	Window treatment stores
WWL VEHICLE SERVICES AMERICAS, INC.	54369	500 E. WATER ST. , WILMINGTON 90744	Ts-11 industrial: sector-based inspections	423120	Motor vehicle supplies and new parts merchant wholesalers

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
WYREFAB INC.	161769	15777 S. BROADWAY, GARDENA 90248	Ts-11 industrial: sector-based inspections	332618	Other fabricated wire product manufacturing
XEROX	183624	18016 S. FIGUEROA ST. , GARDENA 90248	Ts-11 industrial: sector-based inspections	333318	Other commercial and service industry machinery manufacturing
XO COMMUNICATIONS	122227	200 PINE AVE. , LONG BEACH 90802	Ts-11 industrial: sector-based inspections	517911	Telecommunications resellers
Y&S UPHOLSTERY INC DBA A-1 AUTO REPAIR	177105	16601 S. VERMONT AVE., GARDENA 90247	Ts-11 industrial: sector-based inspections	811111	General automotive repair
YOPLAIT USA INC	21858	1055 E. SANDHILL AVE. , CARSON 90746	Ts-11 industrial: sector-based inspections	311511	Fluid milk manufacturing
YUSEN LOGISTICS (AMERICAS), INC.	145470	2417 E. CARSON ST. , LONG BEACH 90810	Ts-11 industrial: sector-based inspections	493110	General warehousing and storage
YUSEN TERMINALS LLC	139464	701 NEW DOCK ST. (BERTHS 212-215), TERMINAL ISLAND 90731	Ts-11 industrial: sector-based inspections	483113	Coastal and great lakes freight transportation
ZYNOLYTE PRODUCTS COMPANY	95430	2320 E. DOMINGUEZ ST. , CARSON 90810	Ts-12 industrial sources - out of business and change of ownership	424950	Paint, varnish, and supplies merchant wholesalers

Summary of All Complaints Received<sup>ii</sup> from January 2016 to December 2018

This table contains a summary of the number of complaints received by complaint type and sorted by their disposition between January 2016 and December 2018.

Complaint Disposition	Asbestos	Dust	Odors	Open Fire	Overspray	Residential Wood Burning	Service Stations	Smoke	Spots	Other	Total
Notice of Violation Issued	4	7	51		2			50		10	124
Notice To Comply Issued	30	13	19		7		1	3		5	78
Tag Issued to Service Station							1				1
Referred to Another Agency	2	1	11		3		3	4	1	4	29
No Enforcement Action Taken <sup>iii</sup>	68	193	1563	26	18	22	9	254	1	173	2327
Investigation in Progress; Disposition Pending	5	1	9				1	16		5	37

<sup>ii</sup> The complaint information, queried in May 2019, is based on the following Zip Codes: 90220, 90221, 90247, 90248, 90501, 90502, 90710, 90731, 90732, 90755, 90802, 90805, 90806, 90807, and 90813.

<sup>iii</sup> *No Enforcement Action Taken* means that the complaint investigation has concluded but did not result in any formal enforcement action. For example, an alleged air pollution source may have been operating in compliance at the time of the inspection or the event underlying the complaint was no longer occurring.

<b>Grand Total</b>	<b>109</b>	<b>215</b>	<b>1653</b>	<b>26</b>	<b>30</b>	<b>22</b>	<b>15</b>	<b>327</b>	<b>2</b>	<b>197</b>	<b>2596</b>
--------------------	------------	------------	-------------	-----------	-----------	-----------	-----------	------------	----------	------------	-------------

List of All Inspections Conducted from January 2016 to December 2018

This table contains a list of inspections conducted within the WCWLB between January 2016 and December 2018.

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
3777+ PARTNERS LP, HOWARD CDM	164098	3745 LONG BEACH BLVD #150	Long beach	90807	Ts-11 industrial: sector- based inspections	2/24/2016	
4 STARS AUTO DISM & SALES	126287	921 N HENRY FORD AVE	Wilmington	90744	Ts-11 industrial: sector- based inspections	12/7/2016	✓
A & A READY MIXED CONCRETE INC	150574	900 E PATTERSON	Signal hill	90755	Ts-11 industrial: sector- based inspections	3/1/2018	✓
A AND B AUTO REPAIR AND BODY SHOP	183380	16220 S VERMONT AVE	Gardena	90247	Ts-11 industrial: sector- based inspections	8/29/2017	✓
A AND B AUTO REPAIR AND PAINT	145121	16220 S VERMONT AVE	Gardena	90247	Ts-11 industrial: sector- based inspections	7/20/2016	✓
A AND B AUTO REPAIR AND PAINT	145121	16220 S VERMONT AVE	Gardena	90247	Ts-11 industrial: sector- based inspections	6/15/2017	✓
ABB, INC.	158751	23831 S BANNING BLVD	Carson	90745	Ts-11 industrial: sector- based inspections	1/6/2017	
ABC ARCO FA CHAI CORP	170522	810 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/5/2016	✓
ABC ARCO FA CHAI CORP	170522	810 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/7/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ABZ, INC. DBA ARCO AM/PM	150408	6001 N LONG BEACH BLVD	Long beach	90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/30/2018	✓
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	9/28/2016	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	12/16/2016	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	6/26/2017	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	9/25/2017	✓
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	12/4/2017	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	3/8/2018	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	5/2/2018	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	7/31/2018	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	7/31/2018	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	10/25/2018	
ACCU CROME PLATING CO INC	5137	115 W 154TH ST	Gardena	90248	Ts-75 toxics: chrome plating	10/26/2018	
ACE WELDING & IRONWORKS, INC.	165667	15514 S FIGUEROA ST	Gardena	90248	Ts-11 industrial: sector-based inspections	3/1/2016	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ACES COLLISION CENTER INC	182076	16116 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	8/30/2016	✓
ACME AUTO HEAD LINING CO	124314	550 W 16TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	2/19/2016	
ADVANTECH OF CA LLC CIRCLE DRY CLEANERS	182184	20626 BELSHAW AVE	Carson	90746	Ts-11 industrial: sector-based inspections	8/31/2017	✓
AG-FUME SERVICE INC	101667	BERTHS 206 & 207	Long beach	90802	Ts-56 toxics: toxic stationary source	3/29/2016	
AG-FUME SERVICE INC	101667	BERTHS 206 & 207	Long beach	90802	Ts-56 toxics: toxic stationary source	4/20/2017	
AG-FUME SERVICE INC	101667	BERTHS 206 & 207	Long beach	90802	Ts-56 toxics: toxic stationary source	9/10/2018	
AIR PROD & CHEM INC	3417	23300 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	2/15/2017	
AIR PROD & CHEM INC	3417	23300 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	9/19/2018	
AIR PROD & CHEM INC	3417	23300 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	9/19/2018	✓
AIR PRODUCTS AND CHEMICALS, INC.	101656	700 N HENRY FORD AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/23/2016	
AIR PRODUCTS AND CHEMICALS, INC.	101656	700 N HENRY FORD AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	1/10/2017	
AIR PRODUCTS AND CHEMICALS, INC.	101656	700 N HENRY FORD AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/21/2017	
AIR PRODUCTS AND CHEMICALS, INC.	101656	700 N HENRY FORD AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/29/2018	
AJRC INC	166599	21700 S VERMONT AVE	Torrance	90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/5/2017	

Appendix 4-89



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
AL LARSON BOAT SHOP	21862	1046 S SEASIDE	Terminal island	90731	Ts-11 industrial: sector-based inspections	2/21/2018	✓
ALBERTSONS STORE #132	174437	101 E WILLOW ST	Long beach	90806	Ts-11 industrial: sector-based inspections	2/18/2016	✓
ALBERTSONS STORE #2935	174438	110 E CARSON ST	Carson	90745	Ts-11 industrial: sector-based inspections	4/13/2016	
ALBERTSONS STORE #3859	174450	200 E SEPULVEDA BLVD	Carson	90745	Ts-11 industrial: sector-based inspections	4/13/2016	
ALLIED QUALITY CLEANERS	133179	1212 W ANAHEIM BLVD STE C	Harbor city	90710	Ts-11 industrial: sector-based inspections	5/24/2016	✓
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	2/5/2016	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	5/3/2016	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	8/25/2016	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	11/4/2016	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	3/1/2017	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	4/26/2017	✓
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	8/18/2017	✓
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	8/18/2017	✓
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	12/27/2017	

Appendix 4-90

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	2/14/2018	✓
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	6/28/2018	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	9/20/2018	
ALLOY PROCESSING	117435	1900 W WALNUT	Compton	90220	Ts-75 toxics: chrome plating	12/4/2018	
ALLOY PROCESSING	173049	1401 W ARTESIA BLVD	Compton	90220	Ts-74 toxics: non-chrome plating	2/14/2018	
ALPINE AUTO BODY INC.	171091	444 E ANAHEIM	Long beach	90813	Ts-11 industrial: sector-based inspections	2/23/2016	
ALVIN'S AUTO BODY & PAINT	60697	3333 OLIVE AVE	Signal hill	90755	Ts-11 industrial: sector-based inspections	7/29/2016	✓
AMERICAN OIL	185084	6850 LONG BEACH BLVD	Long beach	90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/3/2017	✓
AMERICAN PET CORP	158433	1410 W PACIFIC COAST HWY	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/25/2016	✓
AMERIGAS	8418	16800 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	5/10/2018	
AMERIGAS	8418	16800 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	6/22/2018	
AMERIPARK INC	152730	65 S CEDAR AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/11/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ANHEUSER-BUSCH SALES-BEACH CITIES	133656	20499 REEVES AVE	Carson	90810	Ts-11 industrial: sector-based inspections	4/26/2017	
ANSCHUTZ SOUTHERN CAL SPORTS COMPLEX LLC	136321	18400 AVALON BLVD	Carson	90746	Ts-11 industrial: sector-based inspections	2/17/2016	✓
APRO LLC DBA UNITED OIL #105	177876	3631 SANTA FE	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/26/2018	✓
APRO LLC DBA UNITED OIL #106	177877	305 W ANAHEIM	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/28/2017	✓
APRO LLC DBA UNITED OIL #115	177902	3396 ATLANTIC BLVD	Long beach	90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/26/2016	
APRO LLC DBA UNITED OIL #118	177904	501 W 7TH ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/3/2018	✓
APRO LLC DBA UNITED OIL #120	177905	1542 W WILLOW ST	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/26/2018	✓
APRO LLC DBA UNITED OIL #151	177958	909 W PACIFIC COAST HWY	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/14/2016	
APRO LLC DBA UNITED OIL #151	177958	909 W PACIFIC COAST HWY	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/28/2018	✓
APRO LLC DBA UNITED OIL #165	177971	300 W CARSON ST	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/17/2016	
APRO LLC DBA UNITED OIL #179	177983	22235 FIGUEROA ST	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/17/2016	✓

Appendix 4-92

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
APRO LLC DBA UNITED OIL #32	177843	2995 N LONG BEACH BLVD	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/26/2016	
ARCO #42014, TREASURE FRANCHISE CO LLC	174641	2601 SANTA FE AVE	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	7/26/2016	
ARCO #42055, TESORO REFINING & MKTG. CO.	174631	124 W PACIFIC COAST HWY	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	2/16/2017	✓
ARCO #42089	175090	1411 E DEL AMO BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/21/2016	
ARCO #42089	175090	1411 E DEL AMO BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/4/2018	
ARCO #42118	174628	18523 S AVALON BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/16/2017	✓
ARCO-KAVIR, INC.	152617	2195 S SANTA FE	Compton	90221	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/27/2016	✓
ARCO-KAVIR, INC.	152617	2195 S SANTA FE	Compton	90221	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/15/2018	✓
ARTISTIC WELDING, INC	167986	505 E GARDENA BLVD	Gardena	90248	Ts-11 industrial: sector-based inspections	8/18/2017	✓
ATLANTIC RETAIL, INC	176237	4385 ATLANTIC AVE	Long beach	90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/2/2018	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	1/19/2016	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	4/7/2016	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	7/29/2016	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	10/14/2016	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	1/26/2017	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	4/12/2017	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	9/28/2017	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	12/28/2017	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	3/27/2018	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	6/20/2018	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	9/19/2018	
AVIATION REPAIR SOLUTIONS INC.	147364	1480 CANAL AVE	Long beach	90813	Ts-75 toxics: chrome plating	11/27/2018	
BDS NATURAL PRODUCTS	149431	1904 E DOMINGUEZ 1/2 ST	Long beach	90810	Ts-11 industrial: sector-based inspections	6/2/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
BIXBY KNOLLS CLEANERS, LINH CAO	163454	3840 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	4/15/2016	✓
BIXBY KNOLLS TOWERS	84659	3737 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	5/11/2017	✓
BIXBY KNOLLS TOWERS/RETIREMENT HOUSING F	125774	3747 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	5/11/2017	✓
BM AUTO REPAIR	185662	1321 W GARDENA BLVD	Gardena	90247	Ts-11 industrial: sector-based inspections	4/20/2018	
BONNIE'S COURTESY CLEANERS	87774	111 E CARSON ST STE 6 & 7	Carson	90745	Ts-11 industrial: sector-based inspections	6/1/2016	
BREA CANON OIL COMPANY INC	82513	23903 S NORMANDIE	Harbor city	90710	Ts-15 industrial: crude oil production	11/29/2016	✓
BREITBURN OPERATING L.P.	150212	15507 DEBLYNN AVE	Gardena	90247	Ts-15 industrial: crude oil production	2/8/2017	
BRETHREN MANOR SENIOR CARE, LP	182947	3333 PACIFIC PL	Long beach	90806	Ts-11 industrial: sector-based inspections	5/24/2017	
C W SERVICES, INC	133266	1735 SANTA FE AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	6/15/2017	✓
C&J WELL SERVICES INC	179177	19431 S SANTA FE AVE	Rancho Dominguez	90220	Ts-11 industrial: sector-based inspections	9/7/2017	
C.J. FIBERGLASS	147172	1335 W 15TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/19/2016	✓
CA GAS MINI MARKET CORPORATION	115124	950 N AVALON BLVD #101	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/24/2017	✓
CAL STATE UNIVERSITY	134878	401 GOLDEN SHORE	Long beach	90802	Ts-11 industrial: sector-based inspections	3/31/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CAL STATE UNIVERSITY	134878	401 GOLDEN SHORE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/31/2016	
CALIBER COLLISION CENTER	176554	2201 E 223RD ST	Long beach	90810	Ts-11 industrial: sector-based inspections	2/16/2016	✓
CALIBER COLLISION CENTER	176554	2201 E 223RD ST	Long beach	90810	Ts-11 industrial: sector-based inspections	12/7/2017	✓
CALIFORNIA PORTLAND CEMENT CO	151345	19030 S NORMANDIE AVE	Torrance	90502	Ts-11 industrial: sector-based inspections	5/8/2018	
CALIFORNIA SULPHUR CO	47868	2250 E PACIFIC COAST HWY	Wilmington	90744	Ts-11 industrial: sector-based inspections	11/1/2016	
CALIFORNIA WATER SERVICE CO	139513	21718 S ALAMEDA ST	Long beach	90810	Ts-11 industrial: sector-based inspections	8/25/2016	✓
CALIFORNIA WATER SERVICE CO	181296	169 W VICTORIA AVE	Long beach	90805	Ts-11 industrial: sector-based inspections	9/6/2017	
CALIFORNIA WATER SERVICE CO	181314	2116 220TH ST	Carson	90810	Ts-11 industrial: sector-based inspections	6/21/2017	
CALIFORNIA WATER SERVICE COMPANY	170867	4100 SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	6/21/2017	
CAL-TRANS	32191	22101 SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	5/10/2017	
CAMDEN DEVELOPMENT INC.	134515	300 W OCEAN SIDE	Long beach	90802	Ts-11 industrial: sector-based inspections	3/31/2016	
CARBON ACTIVATED CORPORATION	126299	250 E MANVILLE ST	Compton	90220	Ts-11 industrial: sector-based inspections	6/8/2018	✓
CARDLOCK FUELS SYSTEM, INC	180030	15914 S AVALON BLVD	Rancho dominguez	90220	Ts-40 service stations: retail gasoline dispensing (from ts 12)	12/20/2017	

Appendix 4-96

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CARDLOCK FUELS SYSTEM, INC.	115488	2720 E CARSON ST	Carson	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/9/2017	✓
CARSON HANDLING SERVICES	178295	2160 E SEPULVEDA BLVD	Long beach	90810	Ts-11 industrial: sector-based inspections	6/1/2017	
CARSON MINI TRUCK STOP, EDCO STATION INC	110932	101 W VICTORIA	Gardena	90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/22/2018	✓
CARSON TOYOTA	23016	1333 E 223TH ST	Carson	90745	Ts-11 industrial: sector-based inspections	8/9/2016	
CARSON UNION 76, KAMBIZ KATIRAI	153969	1025 E CARSON	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/29/2017	
CARSON VALERO, INC.	157293	23825 S AVALON BLVD	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	1/31/2017	
CCL TUBE, INC	155246	2250 E 220TH ST	Carson	90810	Ts-11 industrial: sector-based inspections	5/6/2016	✓
CCL TUBE, INC.	155740	2250 E 220TH ST	Carson	90810	Ts-11 industrial: sector-based inspections	5/6/2016	
CHEMLINE CA, INC	182889	19500 S ALAMEDA ST	East rancho dominguez	90221	Ts-11 industrial: sector-based inspections	9/6/2017	✓
CHEMOIL TERMINALS CORP, CARSON TERMINAL	178770	2365 E SEPULVEDA BLVD	Carson	90810	Ts-05 title v (only) facility	8/17/2017	✓
CHEMOIL TERMINALS CORP, CARSON TERMINAL	178770	2365 E SEPULVEDA BLVD	Carson	90810	Ts-05 title v (only) facility	3/6/2018	✓
CHEMOIL TERMINALS CORPORATION, LONG BEAC	178769	1004 PIER F AVE	Long beach	90802	Ts-84 ref/energy: marine term. & tank facilities	8/31/2017	✓

## Appendix 4-97



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CIRCLE K STORES INC #2709493	174177	22240 S AVALON BLVD	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/15/2017	✓
CIRCLE K STORES INC. SITE #2705619	111710	1150 W PACIFIC COAST HWY	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/5/2016	
CIRCLE K STORES INC. SITE #2705619	111710	1150 W PACIFIC COAST HWY	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/7/2017	
CIRCLE K STORES INC., DONALD NGUYEN #221	170756	2001 W ALONDRA BLVD	Compton	90220	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/1/2017	
CIRCLE K STORES INC., GARGES HANA, SITE	169321	2601 ATLANTIC BLVD	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/4/2018	✓
CIRCLE K STORES, INC. M THEIN MYINT SITE	169294	15312 S VERMONT AVE	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	2/9/2016	
CIRCLE K STORES, INC. M THEIN MYINT SITE	169294	15312 S VERMONT AVE	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/28/2018	✓
CIRCLE K STORES, INC. TORRANCE SVC,STN	169285	20802 S VERMONT AVE	Torrance	90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/28/2017	
CITIZEN WATCH COMPANY OF AMERICA, INC	134726	1000 W 190TH ST	Torrance	90502	Ts-11 industrial: sector- based inspections	5/10/2016	
CITY OF LA, BOS, WASTEWATER COLL SYS DIV	94216	624 W 190TH ST PP 674	Los angeles	90248	Ts-11 industrial: sector- based inspections	7/19/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
CITY OF LONG BEACH/HARBOR DEPT	137183	2550 PIER T AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	3/18/2016	
CITY PAPER & METAL CO	60145	1452 W 11TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	3/8/2016	✓
CLASSIC AUTO RESTORATION	180472	17503 S FIGUEROA ST	Gardena	90248	Ts-11 industrial: sector-based inspections	6/30/2016	✓
CLEANERS R US	177359	286 E SEPULVEDA BLVD	Carson	90745	Ts-11 industrial: sector-based inspections	5/18/2016	
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	9/9/2016	✓
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	12/9/2016	
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	2/16/2017	
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	6/19/2017	✓
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	9/18/2017	
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	9/25/2017	✓
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	12/4/2017	✓
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	2/14/2018	✓
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	6/13/2018	
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	8/24/2018	✓

Appendix 4-99

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
COAST PLATING INC	21593	128 W 154TH -150 ST	Gardena	90248	Ts-75 toxics: chrome plating	11/15/2018	
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	9/9/2016	✓
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	2/16/2017	
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	6/19/2017	✓
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	9/18/2017	
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	12/4/2017	✓
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	3/21/2018	✓
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	6/13/2018	
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	8/24/2018	
COAST PLATING INC	112968	417 W 164 TH ST	Gardena	90248	Ts-75 toxics: chrome plating	11/15/2018	
COLLEGE MEDICAL CENTER	176757	1725 PACIFIC AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	2/16/2016	
COLLEGE MEDICAL CENTER	176762	2776 PACIFIC AVE	Long beach	90806	Ts-11 industrial: sector-based inspections	10/25/2016	
COLLEGE MEDICAL CENTER	176763	2683 PACIFIC AVE	Long beach	90806	Ts-11 industrial: sector-based inspections	10/25/2016	
COLLISION WORKS INC	121097	500 E ANAHEIM ST	Long beach	90813	Ts-11 industrial: sector-based inspections	7/25/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
COLOR KING WORLD	173878	551 W ANAHEIM ST	Long beach	90813	Ts-11 industrial: sector-based inspections	2/18/2016	✓
COLOR KING WORLD	173878	551 W ANAHEIM ST	Long beach	90813	Ts-11 industrial: sector-based inspections	7/11/2017	✓
CONTINENTAL CLEANERS, CHONG SU OH	159233	4249 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	3/31/2016	
CORONET MFG CO INC	19144	16210 S AVALON BLVD	Gardena	90248	Ts-05 title v (only) facility	5/17/2016	✓
CORONET MFG CO INC	19144	16210 S AVALON BLVD	Gardena	90248	Ts-05 title v (only) facility	5/24/2017	
CORONET MFG CO INC	19144	16210 S AVALON BLVD	Gardena	90248	Ts-05 title v (only) facility	4/24/2018	
COVENANT MANOR	140125	600 E 4TH ST	Long beach	90802	Ts-11 industrial: sector-based inspections	8/17/2016	
COWELCO INC	33975	1634 W 14TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	4/26/2016	
CROWN LIFT TRUCKS	100604	4061 VIA ORO AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	4/22/2016	
CUNICO CORP	131470	1910 W 16 TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/3/2016	✓
CUSTOM FIBREGLASS MFG. CO DBA SNUGTOP	185059	1711 HARBOR AVE	Long beach	90813	Ts-05 title v (only) facility	3/20/2018	✓
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	2/3/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	4/26/2016	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	8/18/2016	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	10/25/2016	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	2/1/2017	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	4/27/2017	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	10/3/2017	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	12/27/2017	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	2/20/2018	
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	6/28/2018	✓
DECORE PLATING	98554	434 W 164TH ST	Carson	90248	Ts-75 toxics: chrome plating	12/13/2018	
DEFENSE CONTRACT MGMT DISTRICT	119287	18901 S WILMINGTON DEFENSE CONTRACT MGMT AGE	Carson	90746	Ts-11 industrial: sector-based inspections	7/5/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
DELAMO PARK, INC.	112383	20320 S AVALON BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	1/2/2018	
DELAMO PETROLEUM	128278	4990 N LONG BEACH BLVD	Long beach	90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/14/2018	
DIEGO'S AUTO BODY, CLAUDIO A. CANTONI	159135	1019 E G ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	1/6/2017	
DINO STATION	181985	5588 N LONG BEACH BLVD	Long beach	90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/10/2018	✓
DIRECTV, CALIFORNIA BROADCAST CENTER	115199	3800 VIA ORO AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	5/17/2017	
DUCOMMUN LA BARGE TECHNOLOGIES INC	58236	23301 S WILMINGTON AVE	Carson	90745	Ts-59 toxics/industrial: industrial sites w/chrome (from ts 78)	7/12/2017	
E&B NATURAL RESOURCES MANAGEMENT CORP	165101	NE CORNER LINDEN AVE/SPRING	Long beach	90806	Ts-15 industrial: crude oil production	1/27/2017	
E&B NATURAL RESOURCES MGMT., CORP.	171048	1107 DOLORES	Wilmington	90744	Ts-15 industrial: crude oil production	11/22/2017	
E&B NATURAL RESOURCES, LLC	177265	1710 N EUBANK AVE DRILL SITE #4	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/13/2017	
ECO SERVICES OPERATIONS CORP.	180908	20720 S WILMINGTON AVE	Carson	90810	Ts-01 cycle i reclaim/title v facility	3/25/2016	
ECO SERVICES OPERATIONS CORP.	180908	20720 S WILMINGTON AVE	Carson	90810	Ts-01 cycle i reclaim/title v facility	6/30/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ECO SERVICES OPERATIONS CORP.	180908	20720 S WILMINGTON AVE	Carson	90810	Ts-01 cycle i reclaim/title v facility	2/22/2018	
EK AUTO WORX	177342	16800 S BROADWAY	Gardena	90248	Ts-12 industrial sources - out of business and change of ownership	9/1/2016	
ELECTRO-TECH MACHINING	166289	2100 W GAYLORD ST	Long beach	90813	Ts-11 industrial: sector-based inspections	11/1/2016	✓
ELITE 4 PRINT	169965	851 E WALNUT ST	Carson	90746	Ts-11 industrial: sector-based inspections	8/31/2017	✓
ELRO MANUFACTURING COMPANY	102568	400 W WALNUT ST	Gardena	90248	Ts-11 industrial: sector-based inspections	6/21/2018	✓
ENGINEERED COATINGS, INC.	178668	3154 HARCOURT ST	Compton	90221	Ts-11 industrial: sector-based inspections	9/5/2017	✓
ENVENT CORPORATION	178028	1520 E SEPULVEDA BLVD	Carson	90745	Ts-57 toxics: r203 voc extraction	9/28/2017	
EPSILON PLASTICS INC	136202	3100 E HARCOURT ST	Rancho dominguez	90221	Ts-05 title v (only) facility	7/1/2016	
EPSILON PLASTICS INC	136202	3100 E HARCOURT ST	Rancho dominguez	90221	Ts-05 title v (only) facility	6/2/2017	
EPSILON PLASTICS INC	136202	3100 E HARCOURT ST	Rancho dominguez	90221	Ts-05 title v (only) facility	4/4/2018	
EQUILON ENTER, LLC-SHELL OIL PROD. US	117560	BERTH 167-169 MORMON ISLAND	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/21/2017	
EQUILON ENTER, LLC-SHELL OIL PROD. US	117560	BERTH 167-169 MORMON ISLAND	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/14/2018	

Appendix 4-104

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
EQUILON ENTER, LLC-SHELL OIL PROD. US	117560	BERTH 167-169 MORMON ISLAND	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/14/2018	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	9/26/2016	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	9/26/2016	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	9/20/2017	✓
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	10/24/2017	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	10/24/2017	
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	20945 S WILMINGTON	Carson	90810	Ts-04 cycle ii reclaim/non-title v facility	3/30/2018	
EVERPORT TERMINAL SERVICES, INC.	183315	389 TERMINAL WAY	San pedro	90731	Ts-11 industrial: sector-based inspections	9/28/2017	✓
FACTORY COLLISION REPAIR SERVICES	182619	16131 S MAPLE AVE	Gardena	90248	Ts-11 industrial: sector-based inspections	8/16/2017	
FARADAY FUTURE	183238	18455 S FIGUEROA ST	Gardena	90248	Ts-11 industrial: sector-based inspections	8/31/2017	
FED EX GROUND PACKAGE SYSTEMS	180329	1725 CHARLES WILLARD ST	Carson	90746	Ts-11 industrial: sector-based inspections	8/29/2017	✓



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
FIBERGLASS ARTS BODY SHOP	108399	1540 CANAL AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	5/17/2016	✓
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	1/29/2016	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	5/20/2016	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	9/1/2016	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	11/17/2016	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	2/2/2017	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	5/12/2017	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	9/28/2017	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	12/28/2017	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	3/29/2018	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	6/20/2018	
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	9/19/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
FINE QUALITY METAL FINISHING CO	47329	1640-17 DAISY AVE	Long beach	90813	Ts-75 toxics: chrome plating	11/30/2018	
FOAM FABRICATORS	12876	1810 S SANTA FE AVE	Compton	90221	Ts-05 title v (only) facility	5/31/2016	
FOAM FABRICATORS	12876	1810 S SANTA FE AVE	Compton	90221	Ts-05 title v (only) facility	6/21/2017	
FOAM FABRICATORS	12876	1810 S SANTA FE AVE	Compton	90221	Ts-05 title v (only) facility	4/11/2018	
FRONTIER CALIFORNIA INC LONG BEACH MAIN	182256	550 ELM AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	6/3/2016	
FRONTIER CALIFORNIA INC LONG BEACH MAIN	182256	550 ELM AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	4/26/2018	
FRONTIER CALIFORNIA INC UPTOWN CO	182386	3440 CALIFORNIA AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	6/16/2017	
FRONTIER CALIFORNIA INC UPTOWN CO	182386	3440 CALIFORNIA AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	4/26/2018	
FS PRECISION TECH LLC	142267	3025 E VICTORIA ST	Compton	90221	Ts-04 cycle ii reclaim/non-title v facility	8/23/2018	
G & FK CORP DBA WILMINGTON CHEVRON	163487	575 W PACIFIC COAST HIGHWAY	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	1/6/2017	
G & M OIL CO, LLC #68	114686	1700 W WARDLOW RD	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/26/2018	✓
G&M OIL CO, LLC #110	131144	1790 LONG BEACH BLVD	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/24/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
GALAXY GAS INC.	187506	22802 S FIGUEROA ST	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/28/2018	✓
GALAXY GAS INC.	187506	22802 S FIGUEROA ST	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/28/2018	✓
GARDENA SERIOR HOUSING, INC.	170018	17150 S PARK LN	Gardena	90247	Ts-11 industrial: sector-based inspections	8/15/2017	
GLOBAL FITNESS, INC.	168746	15815 S SAN PEDRO ST	Gardena	90248	Ts-11 industrial: sector-based inspections	7/15/2016	
GS II, INC.	183567	1431 W E ST	Wilmington	90744	Ts-05 title v (only) facility	3/17/2017	✓
GS II, INC.	183567	1431 W E ST	Wilmington	90744	Ts-05 title v (only) facility	6/5/2018	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	2/4/2016	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	5/17/2016	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	8/30/2016	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	11/3/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	2/16/2017	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	5/9/2017	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	10/3/2017	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	12/27/2017	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	2/15/2018	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	5/2/2018	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	7/31/2018	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	7/31/2018	
GSP ACQUISITION CORP/GARDENA SPECIALIZED	158699	16520 S FIGUEROA ST	Gardena	90248	Ts-75 toxics: chrome plating	10/25/2018	
GURUAAN LA II, LP	141000	241 E ALBERTONI ST	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/31/2016	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
GURUAAN LA II, LP	141000	241 E ALBERTONI ST	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/29/2018	
GURUAAN LA II, LP	141000	241 E ALBERTONI ST	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/4/2018	
GURUAAN LA II, LP	141000	241 E ALBERTONI ST	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/4/2018	
HAPPY CLEANERS	82662	4919 LONG BEACH BLVD	Long beach	90805	Ts-11 industrial: sector- based inspections	1/5/2017	✓
HARBOR COGENERATION CO, LLC	156741	505 PIER B AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/29/2016	✓
HARBOR COGENERATION CO, LLC	156741	505 PIER B AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/14/2017	✓
HARBOR COGENERATION CO, LLC	156741	505 PIER B AVE	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/9/2018	
HARBOR DISTRIBUTION CENTER	127860	16407 MAIN	Gardena	90248	Ts-11 industrial: sector- based inspections	7/5/2016	
HARBOR PLACE TOWER OWNER ASSOCIATION,530	86465	525 E SEASIDE WAY	Long beach	90802	Ts-11 industrial: sector- based inspections	3/18/2016	
HEI LONG BEACH, LLC/HILTON LONG BEACH	145576	701 W OCEAN BLVD	Long beach	90831	Ts-11 industrial: sector- based inspections	7/27/2016	
HENKEL ELECTRONIC MATERIALS, LLC	157359	20021 SUSANA RD	Compton	90221	Ts-01 cycle i reclaim/title v facility	4/14/2016	✓
HENKEL ELECTRONIC MATERIALS, LLC	157359	20021 SUSANA RD	Compton	90221	Ts-01 cycle i reclaim/title v facility	1/10/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
HENKEL ELECTRONIC MATERIALS, LLC	157359	20021 SUSANA RD	Compton	90221	Ts-01 cycle i reclaim/title v facility	2/27/2018	✓
HERBALIFE INTERNATIONAL	182698	18431 S WILMINGTON AVE	Carson	90746	Ts-11 industrial: sector-based inspections	8/9/2017	
HERC RENTALS INC	137307	22422 S ALAMEDA ST	Long beach	90810	Ts-11 industrial: sector-based inspections	5/16/2017	
HOLLANDER SLEEP PRODUCTS, LLC	178385	601 W WALNUT	Compton	90220	Ts-11 industrial: sector-based inspections	9/5/2017	✓
HOME DEPOT #6670	146846	110 E SEPULVEDA BLVD	Carson	90745	Ts-11 industrial: sector-based inspections	4/14/2016	
HORN'S COLLISION CENTER	168192	1427 LONG BEACH BLVD B	Long beach	90813	Ts-11 industrial: sector-based inspections	2/24/2016	✓
HOT ROD ENGINEERING	183970	1003 E G ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/13/2017	
HUCK INTERNATIONAL INC	153546	900 WATSON CENTER RD	Carson	90745	Ts-74 toxics: non-chrome plating	8/3/2016	
HUSTLER CASINO	124529	1000 W REDONDO BEACH BLVD	Gardena	90247	Ts-11 industrial: sector-based inspections	7/12/2016	✓
HYATT CORP, HYATT REGENCY LONG BEACH	43798	200 S PINE AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	4/28/2016	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	1/19/2016	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	4/6/2016	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	7/15/2016	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	10/5/2016	

Appendix 4-111

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	1/20/2017	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	4/11/2017	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	10/3/2017	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	12/26/2017	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	3/1/2018	✓
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	6/29/2018	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	9/7/2018	
HYDROFORM USA	133930	2848 E 208TH ST	Carson	90810	Ts-75 toxics: chrome plating	11/8/2018	
I S P WEST	118814	20925 BRANT AVE	Carson	90810	Ts-11 industrial: sector-based inspections	6/8/2017	✓
IKEA US RETAIL LLC - 162	91821	20700 S AVALON BLVD CARSON MALL STE 900	Carson	90746	Ts-11 industrial: sector-based inspections	2/17/2016	✓
IMPRESA AEROSPACE, LLC	171275	344 W 157TH ST	Gardena	90248	Ts-11 industrial: sector-based inspections	3/23/2016	
INEOS POLYPROPYLENE LLC	124808	2384 E 223RD ST	Carson	90810	Ts-11 industrial: sector-based inspections	11/16/2016	
INEOS POLYPROPYLENE LLC	124808	2384 E 223RD ST	Carson	90810	Ts-11 industrial: sector-based inspections	12/2/2016	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
INEOS POLYPROPYLENE LLC	124808	2384 E 223RD ST	Carson	90810	Ts-11 industrial: sector-based inspections	9/12/2018	
INEOS POLYPROPYLENE LLC	124808	2384 E 223RD ST	Carson	90810	Ts-11 industrial: sector-based inspections	9/12/2018	
INFRATECH	181920	15700 S FIGUEROA ST	Gardena	90248	Ts-11 industrial: sector-based inspections	3/23/2016	✓
INTERNATIONAL PAPER CO	156851	19615 S SUSANA RD	Compton	90221	Ts-11 industrial: sector-based inspections	4/20/2017	
IPS CORPORATION	800367	17109 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	9/6/2016	
IPS CORPORATION	800367	17109 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	8/30/2017	✓
IPS CORPORATION	800367	17109 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	5/16/2018	
IPS CORPORATION	800367	17109 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	10/26/2018	✓
IRON MOUNTAIN	170917	340 W VICTORIA ST	Compton	90220	Ts-11 industrial: sector-based inspections	8/10/2017	✓
J&P TRUCK BODY SHOP	167708	655 14TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/17/2016	✓



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
J. B. I. INC	24647	18521- S SANTA FE 18601 AVE	Rancho dominguez	90220	Ts-05 title v (only) facility	5/18/2016	✓
J. B. I. INC	24647	18521- S SANTA FE 18601 AVE	Rancho dominguez	90220	Ts-05 title v (only) facility	9/12/2017	
J. B. I. INC	24647	18521- S SANTA FE 18601 AVE	Rancho dominguez	90220	Ts-05 title v (only) facility	4/12/2018	
J.B.I. INC	9406	2650 EL PRESIDIO	Long beach	90810	Ts-11 industrial: sector- based inspections	2/12/2016	✓
JB STATION, INC	169219	601 W WILLOW ST	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/25/2016	✓
JL FURNISHINGS LLC	174172	19007 S REYES AVE	Compton	90221	Ts-11 industrial: sector- based inspections	9/6/2017	✓
JOHN HANCOCK LIFE INSURANCE COMPANY, USA	178086	111-125 W OCEAN BLVD 1020	Long beach	90802	Ts-11 industrial: sector- based inspections	5/3/2016	
JOHNSON LAMINATING & COATING INC	14492	20631 ANNALEE AVE	Carson	90746	Ts-11 industrial: sector- based inspections	8/25/2016	
JOHNSON LAMINATING & COATING INC	14492	20631 ANNALEE AVE	Carson	90746	Ts-11 industrial: sector- based inspections	5/4/2018	
JUANITA'S FOODS	78137	645 N EUBANKS	Wilmington	90744	Ts-11 industrial: sector- based inspections	1/10/2017	✓

Appendix 4-114

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
K J LEE'S AUTOMOTIVE	147769	1301 ATLANTIC AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	3/31/2016	
K J LEE'S AUTOMOTIVE	147769	1301 ATLANTIC AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	8/8/2018	✓
KAISER FOUNDATION HOSPITAL	162733	18600 S FIGUEROA ST	Gardena	90248	Ts-11 industrial: sector-based inspections	8/18/2017	
KAM'S AUTOMOTIVE INC	146857	15600 S MAIN ST	Gardena	90248	Ts-11 industrial: sector-based inspections	3/15/2016	✓
KAZI ASSOCIATES, INC.	175427	200 W WILLOW ST	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/25/2016	✓
KINDER MORGAN LIQUIDS TERMINALS, LLC	800057	2000 E SEPULVEDA BLVD	Carson	90810	Ts-05 title v (only) facility	9/22/2017	✓
KINDER MORGAN LIQUIDS TERMINALS, LLC	800057	2000 E SEPULVEDA BLVD	Carson	90810	Ts-05 title v (only) facility	2/20/2018	
KINDRED HOSPITAL SOUTH BAY	168315	1246 W 155TH ST	Gardena	90247	Ts-11 industrial: sector-based inspections	7/6/2016	
LA CITY, DWP HARBOR GENERATING STATION	800170	161 N ISLAND AVE	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/10/2017	✓
LA CITY, DWP HARBOR GENERATING STATION	800170	161 N ISLAND AVE	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	1/31/2018	
LA CITY, HARBOR DEPT	61962	500 PIER A ST BERTH 161	Wilmington	90744	Ts-03 cycle i reclaim/non-title v facility	5/10/2016	
LA CITY, HARBOR DEPT	61962	500 PIER A ST BERTH 161	Wilmington	90744	Ts-03 cycle i reclaim/non-title v facility	4/6/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LA CITY, HARBOR DEPT	61962	500 PIER A ST BERTH 161	Wilmington	90744	Ts-03 cycle i reclaim/non-title v facility	3/1/2018	
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	445 FERRY ST	San pedro	90731	Ts-53 toxics: potw, public owned treatment	2/17/2016	
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	445 FERRY ST	San pedro	90731	Ts-53 toxics: potw, public owned treatment	2/10/2017	✓
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	445 FERRY ST	San pedro	90731	Ts-53 toxics: potw, public owned treatment	9/6/2018	✓
LA CO DEPT HEALTH SRV,UCLA HARBOR MED HO	457	1000 W CARSON ST BOX 499	Torrance	90502	Ts-11 industrial: sector- based inspections	9/13/2017	
LA CO DEPT HEALTH SRV,UCLA HARBOR MED HO	457	1000 W CARSON ST BOX 499	Torrance	90502	Ts-11 industrial: sector- based inspections	5/15/2018	
LA CO HARBOR-UCLA MEDICAL CENTER	800312	1000 W CARSON ST	Torrance	90502	Ts-05 title v (only) facility	9/13/2017	
LA CO HARBOR-UCLA MEDICAL CENTER	800312	1000 W CARSON ST	Torrance	90502	Ts-05 title v (only) facility	5/15/2018	
LA CO. SANITATION DIST	800236	24501 S FIGUEROA ST	Carson	90745	Ts-53 toxics: potw, public owned treatment	3/16/2016	
LA CO. SANITATION DIST	800236	24501 S FIGUEROA ST	Carson	90745	Ts-53 toxics: potw, public owned treatment	3/8/2017	
LA CO. SANITATION DIST	800236	24501 S FIGUEROA ST	Carson	90745	Ts-53 toxics: potw, public owned treatment	7/10/2018	✓
LA CO., METROPOLITAN TRANS AUTHORITY	50645	450 W GRIFFITH ST	Gardena	90248	Ts-11 industrial: sector- based inspections	6/22/2018	

Appendix 4-116

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LA CO., METROPOLITAN TRANS AUTHORITY	69211	1060 W CARSON ST	Long beach	90810	Ts-11 industrial: sector-based inspections	5/12/2016	
LAWYERS RETIREMENT HOLDING	136651	711 SANFORD AVE	Wilmington	90744	Ts-11 industrial: sector-based inspections	12/7/2016	
LEKOS DYE AND FINISHING, INC	141295	3131 HARCOURT ST	Compton	90221	Ts-04 cycle ii reclaim/non-title v facility	10/5/2016	
LEKOS DYE AND FINISHING, INC	141295	3131 HARCOURT ST	Compton	90221	Ts-04 cycle ii reclaim/non-title v facility	12/5/2017	
LEKOS DYE AND FINISHING, INC	141295	3131 HARCOURT ST	Compton	90221	Ts-04 cycle ii reclaim/non-title v facility	8/24/2018	
LEVEL 3 COMMUNICATIONS, LLC	182105	1501 HUGHES WAY	Long beach	90810	Ts-11 industrial: sector-based inspections	10/4/2017	✓
LINEAGE LOGISTICS	182800	1710 PIER B ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/12/2017	
LITTLE BROTHERS BAKERY	179107	340 W ALONDRA BLVD	Gardena	90248	Ts-11 industrial: sector-based inspections	7/20/2016	
LONG BCH HOTEL ASSOC, RENAISSANCE HOTEL	79640	111 E OCEAN BLVD	Long beach	90802	Ts-11 industrial: sector-based inspections	8/9/2016	
LONG BEACH CITY FLEET SERVICES BUREAU	141142	4891 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	7/19/2016	
LONG BEACH CITY UNIFIED SCHOOL DISTRICT	88113	2425 WEBSTER AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	7/13/2018	✓
LONG BEACH CITY, BUILDING SERVICES	85767	333 W OCEAN BLVD	Long beach	90802	Ts-11 industrial: sector-based inspections	6/28/2016	
LONG BEACH CITY, CITY HALL	42732	333 W OCEAN BLVD.	Long beach	90802	Ts-11 industrial: sector-based inspections	6/28/2016	

Appendix 4-117

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LONG BEACH CITY, HARBOR DEPT	75460	1400 W BROADWAY	Long beach	90802	Ts-12 industrial sources - out of business and change of ownership	3/31/2016	
LONG BEACH CITY, SERRF PROJECT	44577	100-20 PIER S AVE	Long beach	90802	Ts-56 toxics: toxic stationary source	3/10/2016	
LONG BEACH CITY, SERRF PROJECT	44577	100-20 PIER S AVE	Long beach	90802	Ts-56 toxics: toxic stationary source	3/21/2017	
LONG BEACH CITY, SERRF PROJECT	44577	100-20 PIER S AVE	Long beach	90802	Ts-56 toxics: toxic stationary source	1/24/2018	
LONG BEACH COLLISION CENTER CORP.	153914	1460 LONG BEACH BLVD	Long beach	90813	Ts-11 industrial: sector-based inspections	8/23/2016	✓
LONG BEACH GENERATION, LLC	115314	2665 PIER S LN	Long beach	90802	Ts-02 cycle ii reclaim/title v facility	9/21/2017	
LONG BEACH GENERATION, LLC	115314	2665 PIER S LN	Long beach	90802	Ts-02 cycle ii reclaim/title v facility	8/28/2018	
LONG BEACH MEMORIAL MEDICAL CENTER	14213	2801 ATLANTIC AVE	Long beach	90806	Ts-05 title v (only) facility	7/8/2016	✓
LONG BEACH MEMORIAL MEDICAL CENTER	14213	2801 ATLANTIC AVE	Long beach	90806	Ts-05 title v (only) facility	3/10/2017	
LONG BEACH MEMORIAL MEDICAL CENTER	14213	2801 ATLANTIC AVE	Long beach	90806	Ts-05 title v (only) facility	3/28/2018	
LONG BEACH MEMORIAL MEDICAL CENTER	155360	2625 PASADENA AVE	Long beach	90806	Ts-11 industrial: sector-based inspections	11/2/2016	✓
LONG BEACH POLICE NORTH STATION	140298	4891 ATLANTIC AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	7/19/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
LONG BEACH POLICE, WEST STATION	112655	1835 SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	1/13/2017	✓
LONG BEACH SENIOR ARTIST COLONY, LP	171900	200 E ANAHEIM ST	Long beach	90813	Ts-11 industrial: sector-based inspections	8/26/2016	✓
LONG BEACH SENIOR CITIZEN HOUSING CORP.	155269	575 E VERNON ST	Long beach	90806	Ts-11 industrial: sector-based inspections	8/23/2016	✓
LONG BEACH TRAVEL CENTER, INC.	37653	1670 W PACIFIC COAST HWY	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/15/2017	
LONG BEACH UNI SCH DIST;POLYTECHNIC HIGH	71075	1600 ATLANTIC AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	4/15/2016	✓
LONG BEACH UNIFIED SCHOOL DISTRICT	113950	1515 HUGHES WAY	Long beach	90810	Ts-11 industrial: sector-based inspections	7/11/2018	✓
LONG BEACH UNIFIED SCHOOL DISTRICT-MAINT	140187	2425 WEBSTER AVE	Long beach	90810	Ts-32 area sources: rule 1415 facilities	7/13/2018	✓
LOS ANGELES HARBOR GRAIN TERMINAL	56223	2422 E SEPULVEDA BLVD	Long beach	90810	Ts-11 industrial: sector-based inspections	4/5/2016	✓
LOYALTY COLLISION	185024	719 N FIGUEROA ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/13/2017	✓
LSC COMMUNICATIONS, LA MFG DIV	185101	19681 PACIFIC GATEWAY DR	Torrance	90502	Ts-02 cycle ii reclaim/title v facility	8/17/2018	✓
M O DION & SONS, INC.	117518	1543 W 16TH ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/26/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
MAG AEROSPACE INDUSTRIES INC.	135683	1500 GLENN CURTISS ST	Carson	90746	Ts-11 industrial: sector-based inspections	3/10/2016	
MAINFREIGHT, INC.	145658	1400 GLENN CURTISS ST	Carson	90746	Ts-11 industrial: sector-based inspections	3/10/2016	
MAX CENTRAL CARSON, INC	171242	17453 S CENTRAL AVE	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/30/2016	✓
MAX CENTRAL CARSON, INC	171242	17453 S CENTRAL AVE	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/14/2018	✓
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	1/29/2016	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	4/20/2016	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	8/10/2016	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	10/19/2016	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	1/26/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	4/18/2017	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	7/11/2017	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	12/27/2017	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	3/16/2018	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	6/29/2018	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	8/28/2018	
MAXIMA ENTERPRISES, INC.	62731	23920-4 S VERMONT AVE	Harbor city	90710	Ts-75 toxics: chrome plating	11/6/2018	
MEEKER BAKER	177100	650 PINE AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/12/2016	
MEEKER BAKER	177100	650 PINE AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/24/2016	
MEM HOSP OF GARDENA	16463	1145 W REDONDO BEACH BLVD	Gardena	90247	Ts-11 industrial: sector-based inspections	9/29/2016	
METRO NETWORKS COMMUNICATIONS, INC	172893	1500 HUGHES WAY	Long beach	90810	Ts-11 industrial: sector-based inspections	11/18/2016	
METROPOLITAN STEVEDORE COMPANY	8073	1045 PIER G BERTH 212 & 213	Long beach	90802	Ts-11 industrial: sector-based inspections	11/18/2016	✓
MODERN CONCEPTS INC.	134145	3121 E ANA ST	Compton	90221	Ts-11 industrial: sector-based inspections	9/20/2016	

Appendix 4-121



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
MOLECULAR GPS ENT. DBA CLAYTON CHEMICAL	175116	2630 HOMESTEAD PL	Rancho dominguez	90220	Ts-11 industrial: sector- based inspections	9/5/2017	✓
MORTIMER & WALLACE, INC.	143322	2422 E SEPULVEDA BLVD	Long beach	90810	Ts-11 industrial: sector- based inspections	3/17/2016	
MORTON SALT, INC.	165626	1050 PIER F AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	4/21/2016	
MULCAHY ENTERPRISES, INC.	26098	1058 N AVALON BLVD	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	7/18/2017	✓
MURRAY COMPANY	171749	18414 SANTA FE AVE	Rancho dominguez	90220	Ts-11 industrial: sector- based inspections	9/5/2017	✓
NALCO COMPANY	139668	2111 E DOMINGUEZ ST	Carson	90810	Ts-11 industrial: sector- based inspections	3/24/2016	✓
NARMS BABA CORP., ALPINE SHELL & SUBWAY	120181	701 W TORRANCE BLVD	Torrance	90502	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/2/2016	
NEILL AIRCRAFT CO	51232	1336-40 W 15TH ST	Long beach	90813	Ts-11 industrial: sector- based inspections	4/28/2016	✓
NEW NGC, INC.	12428	1850 PIER B ST	Long beach	90813	Ts-02 cycle ii reclaim/title v facility	8/26/2016	✓
NEW NGC, INC.	12428	1850 PIER B ST	Long beach	90813	Ts-02 cycle ii reclaim/title v facility	3/14/2017	✓
NEW NGC, INC.	12428	1850 PIER B ST	Long beach	90813	Ts-02 cycle ii reclaim/title v facility	3/28/2018	✓
NEXEO SOLUTIONS, LLC	167091	20915 S WILMINGTON AVE	Carson	90810	Ts-11 industrial: sector- based inspections	3/24/2016	✓

Appendix 4-122

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
NICKELL METAL SPRAY INC	146049	1429 W 15TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/27/2016	✓
NOIL USA INC, COWLES	188581	1234 W COWLES ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/13/2018	✓
NORCO IND INC	16179	365 W VICTORIA ST	Compton	90220	Ts-11 industrial: sector-based inspections	6/30/2016	
NORTHSTAR CABINET CONSTRUCTION, INC	180645	17925 S BROADWAY	Gardena	90248	Ts-11 industrial: sector-based inspections	8/3/2016	✓
NUMBER ONE AUTO CENTER, JOSE MAGDALENO	162466	1500-04 LONG BEACH	Long beach	90813	Ts-11 industrial: sector-based inspections	1/3/2017	✓
OASIS FUELS/FIONA C ROCHE-LUCE	142115	1777 W WARDLOW RD	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	12/19/2018	✓
O'DONNELL OIL, LLC	177651	25224 DODGE AVE	Harbor city	90710	Ts-15 industrial: crude oil production	5/6/2016	
OMNINET FREEWAY, LP	171923	1500 HUGHES WAY	Long beach	90810	Ts-11 industrial: sector-based inspections	2/17/2016	✓
OMNINET PACIFIC POINTE, LP	181665	879 W 190TH ST	Gardena	90248	Ts-11 industrial: sector-based inspections	8/15/2017	✓
ONE GOLDEN SHORE, LP	177397	ONE GOLDEN SHORE DR	Long beach	90802	Ts-11 industrial: sector-based inspections	9/12/2017	
OSAMU CORPORATION	181379	2637 E EL PRESIDIO ST	Long beach	90810	Ts-11 industrial: sector-based inspections	10/3/2017	
PACIFIC CONTINENTAL TEXTILES, INC.	59618	2880 E ANA ST	Compton	90221	Ts-01 cycle i reclaim/title v facility	4/7/2016	
PACIFIC CONTINENTAL TEXTILES, INC.	59618	2880 E ANA ST	Compton	90221	Ts-01 cycle i reclaim/title v facility	9/5/2017	

Appendix 4-123

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PACIFIC CONTINENTAL TEXTILES, INC.	59618	2880 E ANA ST	Compton	90221	Ts-01 cycle i reclaim/title v facility	1/12/2018	✓
PACIFIC CRANE MAINTENANCE COMPANY, LLC	181447	250 W WARDLOW RD	Long beach	90807	Ts-11 industrial: sector-based inspections	5/19/2017	
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	19524 S NORMANDIE AVE	Torrance	90502	Ts-11 industrial: sector-based inspections	8/7/2018	✓
PALO WOODS COURTESY CLEANERS,E MENDOZA E	14690	968 W SEPULVEDA BLVD	Harbor city	90710	Ts-11 industrial: sector-based inspections	5/12/2016	✓
PCH PACIFIC /MOBIL, SHANARI CORP	179110	127 W PACIFIC COAST HWY	Long beach	90806	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/23/2017	✓
PELICAN ENDEAVORS, INC	184250	1403 N WILMINGTON BLVD	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/13/2017	✓
PENNZOIL-QUAKER STATE CO, SONUS PROD DBA	138877	1926 E PACIFIC COAST HWY	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/13/2017	
PERRY LINDSEY INTERNATIONAL STUDIES MAGN	178518	5075 DAISY AVE	Long beach	90805	Ts-11 industrial: sector-based inspections	8/1/2017	
PETER PEPPER PRODUCTS	9978	17909-29 S SUSANA RD	Compton	90221	Ts-05 title v (only) facility	7/8/2016	
PETER PEPPER PRODUCTS	9978	17909-29 S SUSANA RD	Compton	90221	Ts-05 title v (only) facility	8/17/2017	
PETER PEPPER PRODUCTS	9978	17909-29 S SUSANA RD	Compton	90221	Ts-05 title v (only) facility	4/6/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PETRO DIAMOND TERMINAL CO	800079	1920 LUGGER BERTH 83 WAY	Long beach	90813	Ts-05 title v (only) facility	9/8/2016	✓
PETRO DIAMOND TERMINAL CO	800079	1920 LUGGER BERTH 83 WAY	Long beach	90813	Ts-05 title v (only) facility	9/25/2017	
PETRO DIAMOND TERMINAL CO	800079	1920 LUGGER BERTH 83 WAY	Long beach	90813	Ts-05 title v (only) facility	8/9/2018	
PETRO DIAMOND TERMINAL CO	800079	1920 LUGGER BERTH 83 WAY	Long beach	90813	Ts-05 title v (only) facility	9/26/2018	
PETROLEUM MANAGEMENT & MARKETING INC	150812	20223 S AVALON BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/30/2016	✓
PETROLEUM MANAGEMENT & MARKETING INC	150812	20223 S AVALON BLVD	Carson	90746	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/9/2017	
PETROLEUM MANAGEMENT & MARKETING, INC	165725	598 E ANAHEIM ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	7/13/2016	✓
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/2/2016	✓
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/3/2016	✓
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/4/2016	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/9/2016	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	4/28/2017	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/5/2017	✓
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	9/6/2017	✓
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	11/7/2017	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	1/10/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	2/28/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	5/17/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	6/8/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	6/29/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/2/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/9/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	8/30/2018	
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	1660 W ANAHEIM ST	Wilmington	90744	Ts-02 cycle ii reclaim/title v facility	10/24/2018	✓
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	5/3/2016	✓
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	5/18/2016	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	10/6/2016	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	6/13/2017	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	9/28/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	2/1/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	2/1/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	3/8/2018	✓
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	4/20/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	4/20/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	8/16/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	8/30/2018	
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	1520 E SEPULVEDA BLVD	Carson	90745	Ts-01 cycle i reclaim/title v facility	10/17/2018	✓
PLAINS WEST COAST TERMINALS LLC	800417	2500 E VICTORIA ST	Compton	90220	Ts-02 cycle ii reclaim/title v facility	9/8/2016	
PLAINS WEST COAST TERMINALS LLC	800417	2500 E VICTORIA ST	Compton	90220	Ts-02 cycle ii reclaim/title v facility	9/18/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PLAINS WEST COAST TERMINALS LLC	800417	2500 E VICTORIA ST	Compton	90220	Ts-02 cycle ii reclaim/title v facility	9/18/2017	✓
PLAINS WEST COAST TERMINALS LLC	800417	2500 E VICTORIA ST	Compton	90220	Ts-02 cycle ii reclaim/title v facility	9/12/2018	
PLAINS WEST COAST TERMINALS LLC	800420	2685 PIER S LN	Long beach	90802	Ts-04 cycle ii reclaim/non-title v facility	9/18/2017	✓
PLAINS WEST COAST TERMINALS LLC	800420	2685 PIER S LN	Long beach	90802	Ts-04 cycle ii reclaim/non-title v facility	9/18/2017	✓
PLAINS WEST COAST TERMINALS LLC	800420	2685 PIER S LN	Long beach	90802	Ts-04 cycle ii reclaim/non-title v facility	9/12/2018	✓
PLANNED PARENTHOOD, LOS ANGELES	164175	2690 PACIFIC AVE	Long beach	90806	Ts-11 industrial: sector-based inspections	10/13/2016	✓
PLASTICS PAINT PRODUCTION INC	85245	1471 W 15TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	4/28/2016	
PLYMOUTH WEST APARTMENTS	70499	240 CHESTNUT AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	6/8/2016	
PLYMOUTH WEST APARTMENTS	70499	240 CHESTNUT AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	6/9/2016	
PMM, INC.	127546	26393 VERMONT AVE	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/15/2016	
PMM, INC.	127546	26393 VERMONT AVE	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/28/2018	✓
POLY ONE CORPORATION	126763	2104 E 223RD ST	Carson	90810	Ts-11 industrial: sector-based inspections	4/21/2016	



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PORT OF LONG BEACH	109040	2615 PIER A STREET EAST	Long beach	90813	Ts-11 industrial: sector-based inspections	3/18/2016	
PORT OF LONG BEACH	114002	2801 W OCEAN BLVD	Long beach	90813	Ts-11 industrial: sector-based inspections	3/18/2016	
PORT OF LONG BEACH	172477	725 S HARBOR SCENIC DR	Long beach	90802	Ts-11 industrial: sector-based inspections	9/28/2017	✓
PRAXAIR INC	7416	2300 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/3/2016	
PRAXAIR INC	7416	2300 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/31/2017	✓
PRAXAIR INC	7416	2300 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	1/18/2018	✓
PRAXAIR, INC.	20681	2006 E 223 ST	Long beach	90810	Ts-11 industrial: sector-based inspections	4/18/2018	✓
PREMIER AUTO BODY	93802	16327 S VERMONT AVE	Gardena	90247	Ts-11 industrial: sector-based inspections	12/21/2018	
PREMIER MOTORSPORT, INC.	155420	1035 E BEDMAR ST	Carson	90746	Ts-11 industrial: sector-based inspections	8/31/2017	
PRIME WHEEL	105903	17704 S BROADWAY ST	Carson	90746	Ts-01 cycle i reclaim/title v facility	4/6/2016	✓
PRIME WHEEL	105903	17704 S BROADWAY ST	Carson	90746	Ts-01 cycle i reclaim/title v facility	3/2/2017	✓
PRIME WHEEL	105903	17704 S BROADWAY ST	Carson	90746	Ts-01 cycle i reclaim/title v facility	3/6/2018	✓
PROLOGIS, L.P.	179265	20704 S FORDYCE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	3/8/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
PROPEL INC.	166919	1401 W PACIFIC COAST HWY	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	1/6/2017	✓
QUEEN BEACH PRINTERS	125268	937 PINE AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	4/1/2016	
QUEEN BEACH PRINTERS	125268	937 PINE AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	4/21/2016	✓
RAINBOW TRANSPORT TANK CLEANERS,C.ALBIN	25965	21119 S WILMINGTON AVE	Long beach	90810	Ts-56 toxics: toxic stationary source	7/28/2016	✓
RAINBOW TRANSPORT TANK CLEANERS,C.ALBIN	25965	21119 S WILMINGTON AVE	Long beach	90810	Ts-56 toxics: toxic stationary source	8/24/2018	✓
RALPHS GROCERY CO	20604	1100 W ARTESIA BLVD	Compton	90220	Ts-04 cycle ii reclaim/non-title v facility	4/28/2016	
RALPHS GROCERY CO	20604	1100 W ARTESIA BLVD	Compton	90220	Ts-04 cycle ii reclaim/non-title v facility	6/16/2017	✓
RALPHS GROCERY CO	20604	1100 W ARTESIA BLVD	Compton	90220	Ts-04 cycle ii reclaim/non-title v facility	7/12/2018	✓
RAMSEY'S BODY SHOP, JOSE ALVARADO	119092	1455 W 16TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	3/10/2016	✓
RAMSEY'S BODY SHOP, JOSE ALVARADO	119092	1455 W 16TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	8/9/2018	
RDS WIRE & CABLE, INC.	141813	223 E GARDENA BLVD	Gardena	90248	Ts-11 industrial: sector-based inspections	7/8/2016	✓

Appendix 4-131

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
RESEARCH TOOL & DIE WORKS	98463	17100 S KEEGAN AVE	Carson	90746	Ts-11 industrial: sector-based inspections	7/26/2016	✓
RIBOST TERMINAL, LLC.	111238	1405 PIER "C" ST	Long beach	90802	Ts-84 ref/energy: marine term. & tank facilities	5/13/2016	
RJ'S DEMOLITION AND DISPOSAL	173437	355 W ALONDRA BLVD	Gardena	90248	Ts-54 toxics: composting facilities	4/22/2016	
RJ'S DEMOLITION AND DISPOSAL	173437	355 W ALONDRA BLVD	Gardena	90248	Ts-54 toxics: composting facilities	5/13/2016	✓
RJ'S DEMOLITION AND DISPOSAL	173437	355 W ALONDRA BLVD	Gardena	90248	Ts-54 toxics: composting facilities	8/11/2017	✓
ROBERTSON'S READY MIX	170047	1605 PIER D	Long beach	90802	Ts-11 industrial: sector-based inspections	3/23/2018	✓
ROCKET OIL #2	152451	1417 E ANAHEIM ST	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/12/2017	
ROCKET OIL #3	107219	16503 S FIGUEROA	Gardena	90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/7/2017	✓
ROCKET OIL INC #1	37614	1741 N WILMINGTON	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	1/6/2017	
ROCKET OIL INC #4	133787	1701 W ANAHEIM ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	7/19/2016	
ROVINCE INTERNATIONAL CORP.	173068	172 E MANVILLE ST	Compton	90220	Ts-11 industrial: sector-based inspections	8/31/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ROYAL CARE SKILLED NURSING	155860	2725 PACIFIC AVE	Long beach	90806	Ts-11 industrial: sector-based inspections	9/14/2016	✓
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	1250 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/14/2016	✓
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	1250 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/7/2017	
ROYCE OIL	171203	1250 SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/14/2016	✓
ROYCE OIL	171203	1250 SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/7/2017	✓
S & M SERVICE STATION, INC	144027	16435 S FIGUEROA ST	Gardena	90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/7/2016	✓
S & M SERVICE STATION, INC	144027	16435 S FIGUEROA ST	Gardena	90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/21/2018	✓
S & M SERVICE STATION, INC	144027	16435 S FIGUEROA ST	Gardena	90248	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/3/2018	
S.A. IBARAOH AND OTHOM LLC	176837	401 E OCEAN BLVD	Long beach	90802	Ts-11 industrial: sector-based inspections	9/12/2017	
SA RECYCLING	152952	901 NEW DOCK ST	Terminal island	90731	Ts-56 toxics: toxic stationary source	2/22/2017	
SA RECYCLING	173824	482 PIER "T" AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	6/8/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
SAINT MARY'S MEDICAL CENTER	10267	1050 LINDEN AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	7/14/2016	✓
SAM'S BODY REPAIR & PAINT	171368	1427 LONG BEACH BLVD	Long beach	90813	Ts-11 industrial: sector-based inspections	2/24/2016	✓
SAM'S WEST, INC. SAM'S CLUB #6617	100950	1399 ARTESIA BLVD	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/25/2018	
SAM'S WEST, INC. SAM'S CLUB #6617	100950	1399 ARTESIA BLVD	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	12/13/2018	
SAM'S WEST, INC. SAM'S CLUB #6617	100950	1399 ARTESIA BLVD	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	12/19/2018	
SAN PEDRO CHEVRON	152177	1105 N GAFFEY ST	San pedro	90731	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/3/2017	
SAN PEDRO SIGN COMPANY	109035	701 LAKME AVE	Wilmington	90744	Ts-11 industrial: sector-based inspections	12/7/2016	
SAN PEDRO TERMINAL ISLAND FACILITY	182992	2001 S SEASIDE AVE	San pedro	90731	Ts-11 industrial: sector-based inspections	9/27/2017	
SANTA FE CONVALESCENT HOSPITAL	179299	3294 SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	5/19/2017	
SCOTCH PAINT CORP	2701	555 W 189TH ST	Gardena	90248	Ts-11 industrial: sector-based inspections	5/10/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
SEACHROME CORPORATION	172001	1906 E DOMINGUEZ ST	Carson	90810	Ts-11 industrial: sector-based inspections	6/21/2017	
SEE'S CANDIES	119128	20600 S ALAMEDA ST	Carson	90810	Ts-11 industrial: sector-based inspections	3/2/2016	
SEPULVEDA BLDG MATERIALS	55321	359 E GARDENA BLVD	Carson	90248	Ts-11 industrial: sector-based inspections	6/1/2018	
SFPP, L.P. (NSR USE)	800278	20410 S WILMINGTON AVE	Carson	90810	Ts-91 ref/energy: floating roof tanks	6/14/2017	
SFPP, L.P. (NSR USE)	800278	20410 S WILMINGTON AVE	Carson	90810	Ts-91 ref/energy: floating roof tanks	4/24/2018	
SHELL	166764	500 W ANAHEIM ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/11/2016	✓
SHELL	166764	500 W ANAHEIM ST	Long beach	90813	Ts-40 service stations: retail gasoline dispensing (from ts 12)	10/18/2017	✓
SIGNAL HILL PETROLEUM, INC.	170541	550 E SPRING ST	Long beach	90806	Ts-15 industrial: crude oil production	8/12/2016	
SIGNAL HILL PETROLEUM, INC.	170543	560 E CANTON	Long beach	90755	Ts-15 industrial: crude oil production	8/12/2016	
SIGNATURE FLEXIBLE PACKAGING INC	146540	1120 E SANDHILL AVE	Carson	90746	Ts-11 industrial: sector-based inspections	9/12/2017	
SNYDER MFG CORP	12626	1541 W COWLES ST	Long beach	90813	Ts-11 industrial: sector-based inspections	12/15/2016	
SOCAL AUTO IMAGE	185256	1745 DAISY AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	7/25/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
SOLVAY USA, INC	177042	20851 S SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector-based inspections	8/5/2016	✓
SONY CORP - NDC	87976	2201 E CARSON ST	Carson	90810	Ts-11 industrial: sector-based inspections	5/25/2017	✓
SOURCE CORP BPS SOUTHERN CALIFORNIA	144730	20500 BELSHAW AVE	Carson	90746	Ts-11 industrial: sector-based inspections	7/5/2016	✓
SOUTH PARK MANOR	185425	17100 S PARK LN	Gardena	90247	Ts-11 industrial: sector-based inspections	8/15/2017	✓
SOUTHERN CALIFORNIA GAS COMPANY (OM 2439	178435	625 E ANAHEIM ST WARREN E&P	Wilmington	90744	Ts-11 industrial: sector-based inspections	8/24/2016	
SPEEDIES DRY CLEANERS	167786	2057 LONG BEACH BLVD	Long beach	90806	Ts-11 industrial: sector-based inspections	2/23/2016	✓
SSA CONTAINERS, INC.	172519	1160B PIER F	Long beach	90802	Ts-11 industrial: sector-based inspections	9/27/2017	
SSA MARINE PACIFIC CONTAINER TERMINAL	173256	570 HARBOR SCENIC WAY	Long beach	90802	Ts-11 industrial: sector-based inspections	9/15/2017	
ST MARY MEDICAL CENTER	108234	1045 ATLANTIC AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	7/14/2016	
ST MARY MEDICAL CENTER	108235	1043 ELM AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	7/14/2016	
STAPLETON TECHNOLOGIES	2471	1350 W 12TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	4/26/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
STRATZEN INC.	178771	21313 AVALON BLVD	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	7/3/2018	✓
STRICKLIN-SNIVELY MORTUARY	39566	1952 LONG BEACH BLVD	Long beach	90806	Ts-11 industrial: sector-based inspections	4/5/2016	✓
SUPERIOR ELECTRICAL ADVERTISING	43478	1700 W ANAHEIM ST	Long beach	90813	Ts-11 industrial: sector-based inspections	8/4/2016	✓
SUPERIOR GROCERS	161326	1033 LONG BEACH BLVD # 117	Long beach	90813	Ts-11 industrial: sector-based inspections	9/15/2016	✓
TARGET CORP, #T-2026	143020	20700 AVALON BLVD	Carson	90746	Ts-11 industrial: sector-based inspections	6/27/2018	
TARGET CORP, TARGET CARSON T-2328	87476	651 W SEPULVEDA	Carson	90745	Ts-11 industrial: sector-based inspections	4/15/2016	
TARGET STORE # 2319	87472	950 E 33RD ST	Long beach	90807	Ts-11 industrial: sector-based inspections	10/6/2016	
TAWWAKAL CORPORATION	142829	6605 LONG BEACH BLVD	Long beach	90805	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/30/2018	
TELL STEEL, INC	20882	2345 W 17TH ST	Long beach	90813	Ts-11 industrial: sector-based inspections	5/4/2016	✓
TESORO (ARCO) #62544	170709	204 E SEPULVEDA BLVD	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	3/29/2017	
TESORO (USA) 63073	171698	23900 S AVALON BLVD	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/8/2017	
TESORO (USA) 63082	171686	1025 W ANAHEIM ST	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/12/2017	

Appendix 4-137



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TESORO LOGISTICS LONG BEACH TERMINAL	172878	820 CARRACK AVE	Long beach	90813	Ts-05 title v (only) facility	10/6/2016	
TESORO LOGISTICS LONG BEACH TERMINAL	172878	820 CARRACK AVE	Long beach	90813	Ts-05 title v (only) facility	9/19/2017	
TESORO LOGISTICS LONG BEACH TERMINAL	172878	820 CARRACK AVE	Long beach	90813	Ts-05 title v (only) facility	8/2/2018	
TESORO LOGISTICS LONG BEACH TERMINAL	172878	820 CARRACK AVE	Long beach	90813	Ts-05 title v (only) facility	8/2/2018	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	6/3/2016	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	8/10/2016	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	9/8/2016	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	9/18/2017	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	9/14/2018	
TESORO LOGISTICS MARINE TERMINAL 2	176377	1350 PIER B ST	Long beach	90813	Ts-05 title v (only) facility	9/14/2018	
TESORO LOGISTICS, CARSON CRUDE TERMINAL	174694	24696 S WILMINGTON AVE	Carson	90745	Ts-05 title v (only) facility	5/17/2017	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TESORO LOGISTICS, CARSON CRUDE TERMINAL	174694	24696 S WILMINGTON AVE	Carson	90745	Ts-05 title v (only) facility	3/1/2018	
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	1930 E PACIFIC COAST HWY	Wilmington	90744	Ts-11 industrial: sector- based inspections	6/22/2017	
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	1930 E PACIFIC COAST HWY	Wilmington	90744	Ts-11 industrial: sector- based inspections	2/15/2018	✓
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	1930 E PACIFIC COAST HWY	Wilmington	90744	Ts-11 industrial: sector- based inspections	8/8/2018	✓
TESORO LOGISTICS,CARSON PROD TERMINAL	174703	2149 E SEPULVEDA BLVD	Carson	90745	Ts-05 title v (only) facility	8/23/2017	✓
TESORO LOGISTICS,CARSON PROD TERMINAL	174703	2149 E SEPULVEDA BLVD	Carson	90745	Ts-05 title v (only) facility	5/29/2018	
TESORO REF & MKT P. HONG #68624	152034	911 W CARSON ST	Torrance	90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/22/2016	
TESORO REF & MKT P. HONG #68624	152034	911 W CARSON ST	Torrance	90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/20/2017	
TESORO REF & MKT P. HONG #68626	152027	19008 S NORMANDIE AVE	Torrance	90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/21/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TESORO REF & MKT P. HONG #68626	152027	19008 S NORMANDIE AVE	Torrance	90501	Ts-40 service stations: retail gasoline dispensing (from ts 12)	6/7/2018	✓
TESORO REF & MKTG CO LLC,CALCINER	174591	2450 PIER B ST	Long beach	90813	Ts-01 cycle i reclaim/title v facility	9/26/2017	
TESORO REF & MKTG CO LLC,CALCINER	174591	2450 PIER B ST	Long beach	90813	Ts-01 cycle i reclaim/title v facility	9/26/2017	✓
TESORO REF & MKTG CO LLC,CALCINER	174591	2450 PIER B ST	Long beach	90813	Ts-01 cycle i reclaim/title v facility	5/25/2018	
TESORO REF & MKTG. J KHANGURA #68517	151914	22232 S WILMINGTON AVE	Carson	90745	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/9/2017	
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	3/30/2016	✓
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	3/30/2016	✓
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	7/13/2016	
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	8/5/2016	
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	5/2/2017	✓
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	1/31/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	9/26/2018	✓
TESORO REFINING & MARKETING CO, LLC	174655	2350 E 223RD ST	Carson	90810	Ts-02 cycle ii reclaim/title v facility	11/28/2018	
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	9/18/2017	
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	10/2/2017	
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	2/22/2018	
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	2/22/2018	
TESORO REFINING AND MARKETING CO, LLC	151798	23208 S ALAMEDA ST	Carson	90810	Ts-01 cycle i reclaim/title v facility	3/20/2018	
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/29/2016	
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/23/2016	
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/21/2017	
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/1/2017	✓
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/2/2017	✓

Appendix 4-141

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/3/2017	✓
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	3/20/2018	
TESORO REFINING AND MARKETING CO, LLC	800436	2101 E PACIFIC COAST HWY	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	4/13/2018	
TEXOLLINI INC	96587	2575 EL PRESIDIO ST	Carson	90810	Ts-03 cycle i reclaim/non-title v facility	4/14/2016	
TEXOLLINI INC	96587	2575 EL PRESIDIO ST	Carson	90810	Ts-03 cycle i reclaim/non-title v facility	6/23/2017	
TEXOLLINI INC	96587	2575 EL PRESIDIO ST	Carson	90810	Ts-03 cycle i reclaim/non-title v facility	1/4/2018	
THE DYE HOUSE, L.A., LLC	176821	935 E ARTESIA BLVD "B"	Carson	90746	Ts-12 industrial sources - out of business and change of ownership	8/29/2017	
THE HOME DEPOT	141026	751 SPRING ST	Signal hill	90807	Ts-11 industrial: sector-based inspections	3/3/2016	
THE SALVATION ARMY (CALIF CORP)	121507	180 E OCEAN BLVD	Long beach	90802	Ts-11 industrial: sector-based inspections	11/9/2016	
THE STRIP JOINT INC	180571	22624 S NORMANDIE AVE UNIT B	Torrance	90502	Ts-11 industrial: sector-based inspections	8/24/2016	
THUMS LONG BEACH	800330	1105 HARBOR SCENIC DR PIERS J1-J6	Long beach	90802	Ts-11 industrial: sector-based inspections	9/1/2016	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
THUMS LONG BEACH	800330	1105 HARBOR SCENIC DR PIERS J1- J6	Long beach	90802	Ts-11 industrial: sector- based inspections	11/2/2017	
THUMS LONG BEACH	800330	1105 HARBOR SCENIC DR PIERS J1- J6	Long beach	90802	Ts-11 industrial: sector- based inspections	6/7/2018	
THUMS LONG BEACH CO	129497	1411 PIER D ST	Long beach	90802	Ts-11 industrial: sector- based inspections	3/22/2017	
THUMS LONG BEACH CO	129497	1411 PIER D ST	Long beach	90802	Ts-11 industrial: sector- based inspections	2/1/2018	
THUNDER STUDIOS, INC	176909	20434 S SANTA FE AVE	Long beach	90810	Ts-11 industrial: sector- based inspections	2/23/2016	✓
TIDELANDS OIL PROD CO - NC LEASE	151165	HENRY FORD AVE	Wilmington	90744	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PROD CO - PIER D SOUTH SIT	151196	PIER D, PORT OF LONG BEACH	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	9/12/2016	✓
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	9/12/2016	✓
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	7/28/2017	✓
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	11/7/2017	✓
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	11/7/2017	✓
TIDELANDS OIL PRODUCTION CO	800325	949 PIER G AVE	Long beach	90802	Ts-11 industrial: sector- based inspections	9/19/2018	✓

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TIDELANDS OIL PRODUCTION CO/A4/A5 SITE	149851	795 HARBOR SCENIC DR	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/CARRACK	149858	405 CARRACK AVE	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/J1 SITE	149854	1000 HARBOR SCENIC DR	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/J3 SITE	149856	1160 HARBOR SCENIC DR	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/J4 SITE	149870	1595 PIER J AVE	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER A WEST	149881	401 HENRY FORD AVE	Wilmington	90744	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER C	149860	PIER C/PORT OF LONG BEACH	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER G SITE	149872	1339 PIER G AVE	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER J SITE	149880	1755 PIER J AVE	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER S EAST	149879	PIER S, TERMINAL ISLAND	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/PIER T WELLS	151057	855 PIER T	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TIDELANDS OIL PRODUCTION CO/REEF SITE	149884	875 QUEENSWAY DR	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/STANDARD LEA	149885	1498 LONG BEACH FWY	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/W WELLS SITE	149883	3100 W OCEAN BLVD	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/WEST DOW	149886	3555 DOCK ST	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION CO/Z1 SITE	149847	650 PIER F AVE	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIDELANDS OIL PRODUCTION COMPANY	136965	975 PIER F AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	4/26/2016	
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	230 S PICO AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	12/27/2016	✓
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	230 S PICO AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	11/8/2017	
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	230 S PICO AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	10/25/2018	
TIDELANDS OIL PRODUCTION COMPANY, ETAL	68112	228 PIER D AVE	Long beach	90802	Ts-15 industrial: crude oil production	4/26/2016	



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
TIDELANDS OIL PRODUCTION/PIER E SITE	149867	PIER E/PORT OF LONG BEACH	Long beach	90802	Ts-31 area sources: rule 222 equipment	4/26/2016	
TIME WARNER CABLE	157180	605 E G ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	1/4/2017	
TORRANCE LOGISTICS COMPANY LLC	182816	551 PILCHARD ST	San pedro	90731	Ts-11 industrial: sector-based inspections	6/7/2017	
TORRANCE LOGISTICS COMPANY, LLC	182753	799 S SEASIDE AVE B #238-240	Terminal island	90731	Ts-05 title v (only) facility	9/20/2017	
TORRANCE LOGISTICS COMPANY, LLC	182753	799 S SEASIDE AVE B #238-240	Terminal island	90731	Ts-05 title v (only) facility	9/27/2018	
TRANS PACIFIC CONTAINER	138955	920 W HARRY BRIDGES BLVD	Wilmington	90744	Ts-11 industrial: sector-based inspections	7/1/2016	
TRANS PACIFIC CONTAINER	138955	920 W HARRY BRIDGES BLVD	Wilmington	90744	Ts-11 industrial: sector-based inspections	8/24/2016	
U.S. HANGER COMPANY, LLC	156628	17501 S DENVER AVE	Gardena	90248	Ts-11 industrial: sector-based inspections	8/24/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	4/28/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/17/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/8/2016	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/9/2016	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/15/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/16/2016	✓

Appendix 4-146

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/17/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/15/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/26/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/12/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/18/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/26/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/31/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	9/2/2016	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	9/12/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	9/30/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	11/7/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	12/14/2016	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	1/13/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	2/15/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/12/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/9/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/13/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/27/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/28/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/29/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/12/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/24/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/30/2017	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	8/31/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	9/7/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	9/28/2017	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	2/13/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	2/27/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	3/16/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	4/5/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/4/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/17/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/24/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	5/31/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/7/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/14/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/22/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	6/28/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/12/2018	✓
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/19/2018	
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	7/31/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
ULTRAMAR INC	800026	2402 E ANAHEIM ST	Wilmington	90744	Ts-01 cycle i reclaim/title v facility	10/9/2018	✓
ULTRAMAR INC	800198	961 LA PALOMA AVE	Wilmington	90744	Ts-05 title v (only) facility	9/7/2016	
ULTRAMAR INC	800198	961 LA PALOMA AVE	Wilmington	90744	Ts-05 title v (only) facility	10/28/2016	
ULTRAMAR INC	800198	961 LA PALOMA AVE	Wilmington	90744	Ts-05 title v (only) facility	8/9/2018	
ULTRAMAR, INC	127749	1220 N ALAMEDA ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	8/18/2017	
ULTRAMAR, INC	127749	1220 N ALAMEDA ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	2/16/2018	
UNION PACIFIC RAILROAD	122101	2442 E CARSON ST	Carson	90810	Ts-11 industrial: sector-based inspections	8/25/2016	✓
UNION PACIFIC RAILROAD	144572	2401 E SEPULVEDA BLVD	Long beach	90810	Ts-11 industrial: sector-based inspections	3/10/2016	
UNION SUPPLY GROUP	184082	2301 E PACIFICA PL	Rancho Dominguez	90220	Ts-11 industrial: sector-based inspections	8/1/2017	
UNITED FAMILY LLC	160523	3401 LONG BEACH BLVD	Long beach	90807	Ts-40 service stations: retail gasoline dispensing (from ts 12)	5/23/2017	✓
UNITED RENTAL	145733	2020 W PACIFIC COAST HIGHWAY	Long beach	90810	Ts-11 industrial: sector-based inspections	4/22/2016	✓
URBAN VILLAGE APARTMENTS	176594	1081 LONG BEACH BLVD	Long beach	90813	Ts-11 industrial: sector-based inspections	5/16/2017	
US BORAX & CHEM CORP	2983	300 FALCON ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	5/3/2016	

Appendix 4-150

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
US BORAX & CHEM CORP UNIT NO. 2	18636	300 FALCON ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	5/3/2016	
US BORAX & CHEM CORP UNIT NO. 9	8066	300 FALCON ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	5/3/2016	
US BORAX INC	9638	300 FALCON ST	Wilmington	90744	Ts-11 industrial: sector-based inspections	5/3/2016	
US BORAX INC	800149	300 FALCON ST	Wilmington	90744	Ts-04 cycle ii reclaim/non-title v facility	10/11/2016	
US BORAX INC	800149	300 FALCON ST	Wilmington	90744	Ts-04 cycle ii reclaim/non-title v facility	6/22/2017	
US BORAX INC	800149	300 FALCON ST	Wilmington	90744	Ts-04 cycle ii reclaim/non-title v facility	10/12/2018	
US COAST GUARD ISC SAN PEDRO	4722	1001 S SEASIDE AVE BLDG 10	San pedro	90731	Ts-11 industrial: sector-based inspections	9/27/2017	
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	8/10/2016	✓
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	8/12/2016	
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	8/19/2016	
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	9/25/2017	
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	3/22/2018	
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	9/14/2018	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
VALERO WILMINGTON ASPHALT PLANT	800393	1651 ALAMEDA ST	Wilmington	90744	Ts-81 ref/energy: refineries	12/20/2018	✓
VALLEY OF THE SUN COSMETICS, LLC	175407	535 PATRICE PL	Gardena	90248	Ts-11 industrial: sector-based inspections	9/1/2017	
VALMONT COATINGS, CALWEST GALVANIZING	118817	2226 E DOMINGUEZ ST	Long beach	90810	Ts-11 industrial: sector-based inspections	3/18/2016	
VAZQUEZ BODY REPAIR	133484	434 N AVALON BLVD	Wilmington	90744	Ts-11 industrial: sector-based inspections	1/26/2017	✓
VAZQUEZ BODY REPAIR	133484	434 N AVALON BLVD	Wilmington	90744	Ts-11 industrial: sector-based inspections	6/15/2018	✓
VAZQUEZ BODY REPAIR	133484	434 N AVALON BLVD	Wilmington	90744	Ts-11 industrial: sector-based inspections	9/26/2018	
VILI GROUP INC	178964	1430 E PACIFIC COAST HWY	Wilmington	90744	Ts-40 service stations: retail gasoline dispensing (from ts 12)	9/12/2017	✓
VIRGINIA COUNTRY CLUB	129050	4602 VIRGINIA RD	Long beach	90807	Ts-11 industrial: sector-based inspections	1/25/2017	
VISTA COVE CARE CENTER AT LONG BEACH	178315	3401 CEDAR AVE	Long beach	90807	Ts-11 industrial: sector-based inspections	2/16/2016	
VONS FUEL CENTER #1625	127286	1320 W REDONDO BEACH BLVD	Gardena	90247	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/8/2017	

Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
VOPAK TERMINAL LONG BEACH INC,A DELAWARE	137722	3601 DOCK ST	San pedro	90731	Ts-84 ref/energy: marine term. & tank facilities	8/31/2017	✓
VOPAK TERMINAL LOS ANGELES, INC.	6586	401 CANAL ST	Wilmington	90744	Ts-84 ref/energy: marine term. & tank facilities	8/31/2017	✓
W/GL OCEAN AVENUE LB HOLDINGS VII, LLC	181084	1 WORLD TRADE CENTER #198	Long beach	90831	Ts-11 industrial: sector-based inspections	6/16/2016	
W/GL OCEAN AVENUE LB HOLDINGS VII, LLC	181084	1 WORLD TRADE CENTER #198	Long beach	90831	Ts-11 industrial: sector-based inspections	6/17/2016	
WASTE MANAGEMENT, INC.	47634	1970 E 213TH ST	Carson	90810	Ts-11 industrial: sector-based inspections	4/21/2016	
WATSON BUILDING 201	159259	2000 CARSON ST	Carson	90810	Ts-11 industrial: sector-based inspections	5/12/2016	
WATSON LAND CO	124761	21750 ARNOLD CENTER RD	Long beach	90810	Ts-11 industrial: sector-based inspections	5/11/2017	
WATSON LEGACY 219	158964	2116 E 220TH ST	Carson	90810	Ts-11 industrial: sector-based inspections	5/11/2017	✓
WEST COAST SANDBLASTING, INC.	162265	1516 HAYES AVE	Long beach	90813	Ts-11 industrial: sector-based inspections	12/15/2016	✓
WEST OCEAN ASSOCIATION	148323	400 W OCEAN BLVD	Long beach	90802	Ts-11 industrial: sector-based inspections	12/1/2016	
WEST OCEAN ASSOCIATION	149509	411 W SEASIDE WAY	Long beach	90802	Ts-11 industrial: sector-based inspections	12/1/2016	



Facility Name	Facility ID	Address	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Action
WESTERN FUEL GROUP, INC	180438	900 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	4/15/2016	✓
WESTERN FUEL GROUP, INC	180438	900 W SEPULVEDA BLVD	Harbor city	90710	Ts-40 service stations: retail gasoline dispensing (from ts 12)	11/14/2018	✓
WILLOW CLEANERS	16151	440 W WILLOW ST	Long beach	90806	Ts-11 industrial: sector-based inspections	3/23/2016	✓
WILMINGTON PARK INC	154445	21633 S WILMINGTON AVE	Long beach	90810	Ts-40 service stations: retail gasoline dispensing (from ts 12)	8/2/2018	✓
XO COMMUNICATIONS	122227	200 PINE AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/12/2016	
XO COMMUNICATIONS	122227	200 PINE AVE	Long beach	90802	Ts-11 industrial: sector-based inspections	5/24/2016	
Y&S UPHOLSTERY INC DBA A-1 AUTO REPAIR	177105	16601 S VERMONT AVE	Gardena	90247	Ts-11 industrial: sector-based inspections	6/30/2016	✓
YUSEN LOGISTICS (AMERICAS), INC.	145470	2417 E CARSON ST	Long beach	90810	Ts-11 industrial: sector-based inspections	5/24/2017	✓

# List of Compliance-Enforcement Actions Taken from January 2016 to December 2018

This table contains a list of all enforcement actions issued by inspectors against facilities in this community between January 2016 and December 2018.

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Violation Description	Enforcement Action Case Status
4 STARS AUTO DISM & SALES	126287	NC	E36325	12/7/2016	12/7/2016	1171	42303: Provide VOC records; 1171: Use compliant solvents; 203b: Keep filters in good operation condition	<u>CLOSED/RESOLVED</u>
4 STARS AUTO DISM & SALES	126287	NC	E36325	12/7/2016	12/7/2016	203	42303: Provide VOC records; 1171: Use compliant solvents; 203b: Keep filters in good operation condition	<u>CLOSED/RESOLVED</u>
4 STARS AUTO DISM & SALES	126287	NC	E36325	12/7/2016	12/7/2016	42303	42303: Provide VOC records; 1171: Use compliant solvents; 203b: Keep filters in good operation condition	<u>CLOSED/RESOLVED</u>
A & A READY MIXED CONCRETE INC	150574	NC	E42752	3/1/2018	3/1/2018	42303	Provide records for materials under P/O F88546. Provide material records for P/O G5217. Provide material records for material under P/O F88544. Provide material records for P/O F88547.	<u>CLOSED/RESOLVED</u>
A & A READY MIXED CONCRETE INC	150574	NC	E43205	3/16/2018	3/16/2018	42303	Provide quarry information for fly ash and cement. Provide SDS for cement and fly ash	<u>CLOSED/RESOLVED</u>
A AND B AUTO REPAIR AND BODY SHOP	183380	NC	E40242	8/29/2017	8/29/2017	1171	H&S 42303_ PROVIDE DAILY RECORDS, 203_ INSTALL MANOMETER ON PSB, 1171_ USE COMPLIANT GUN CLEANING SOLVENT	<u>CLOSED/RESOLVED</u>

<sup>iv</sup> Issue Date: The date the violation notice was issued to the responsible party. This date may not reflect the date of inspection.

<sup>v</sup> Violation Date: The date that the violation occurred and was documented by South Coast AQMD inspectors. This date may not reflect the date of inspection.

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
A AND B AUTO REPAIR AND BODY SHOP	183380	NC	E40242	8/29/2017	8/29/2017	203(B)	H&S 42303_ PROVIDE DAILY RECORDS, 203_ INSTALL MANOMETER ON PSB, 1171_ USE COMPLIANT GUN CLEANING SOLVENT	<u>CLOSED/RESOLVED</u>
A AND B AUTO REPAIR AND BODY SHOP	183380	NC	E40242	8/29/2017	8/29/2017	42303	H&S 42303_ PROVIDE DAILY RECORDS, 203_ INSTALL MANOMETER ON PSB, 1171_ USE COMPLIANT GUN CLEANING SOLVENT	<u>CLOSED/RESOLVED</u>
A AND B AUTO REPAIR AND PAINT	145121	NC	E36093	8/3/2016	8/3/2016	203(A)	To obtain spray booth permit	<u>CLOSED/RESOLVED</u>
ABC ARCO FA CHAI CORP	170522	NOV	P64348	3/7/2017	11/1/2016	461(e)(2)(A)(i)	Failure to conduct vapor recovery reverification test semiannually (test due October 2016, test done 11/14/16)	<u>CLOSED/RESOLVED</u>
ABC ARCO FA CHAI CORP	170522	NOV	P72528	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 9043	<u>OPEN/PENDING</u>
ABC ARCO FA CHAI CORP	170522	NC	E32406	4/5/2016	4/5/2016	461	PROVIDE APR 2013 TP 201.4 METHODOLOGY 6 TEST. VERIFY PV CAP INSTALLED ON VAPOR PROCESSOR CLEAN AIR EXHAUST LINE IS GUTTED - OR - REPLACE CAP WITH RAIN GUARD CAP.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ABC ARCO FA CHAI CORP	170522	NC	E32406	4/5/2016	4/5/2016	461(C)(2) (B)	PROVIDE APR 2013 TP 201.4 METHODOLOGY 6 TEST. VERIFY PV CAP INSTALLED ON VAPOR PROCESSOR CLEAN AIR EXHAUST LINE IS GUTTED - OR - REPLACE CAP WITH RAIN GUARD CAP.	<u>CLOSED/RESOLVED</u>
ABZ, INC. DBA ARCO AM/PM	150408	NOV	P72253	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1622	<u>OPEN/PENDING</u>
ABZ, INC. DBA ARCO AM/PM	150408	NC	E41495	5/30/2018	5/30/2018	461(e)(2) (C); (e)(6)(A); (c)(3)(G)	Early testing conducted in March 2018. Conduct next vapory recovery test in November 2018 to remain on May/November schedule; provide 2018 daily & weekly maintenance inspection records; provide AQMD signage/complaint sticker missing at Dispenser 3/4	<u>CLOSED/RESOLVED</u>
ACCU CROME PLATING CO INC	5137	NC	E33842	9/27/2017	9/25/2017	42303	PROVIDE PROOF OF PROPER SMOKE TEST RESULTS.	<u>CLOSED/RESOLVED</u>
ACCU CROME PLATING CO INC	5137	NC	E43537	8/1/2018	7/31/2018	42303	Provide a copy of facilities' Operation and Maintenance Plan	<u>CLOSED/RESOLVED</u>
ACE WELDING & IRONWORKS, INC.	165667	NC	E34719	3/1/2016	3/1/2016	1171	1171: Use compliant solvent for cleaning	<u>CLOSED/RESOLVED</u>
ACES COLLISION CENTER INC	182076	NC	E37176	8/30/2016	8/30/2016	1171(C)( 1)	42303 Provide daily/monthly usage for paints used including VOC poundage. 203(b) Maintain monometer in good operating condition. 1171 Maintain and use only compliant cleaning solvents.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ACES COLLISION CENTER INC	182076	NC	E37176	8/30/2016	8/30/2016	203(B)	42303 Provide daily/monthly usage for paints used including VOC poundage. 203(b) Maintain monometer in good operating condition. 1171 Maintain and use only compliant cleaning solvents.	<u>OPEN/PENDING</u>
ACES COLLISION CENTER INC	182076	NC	E37176	8/30/2016	8/30/2016	42303	42303 Provide daily/monthly usage for paints used including VOC poundage. 203(b) Maintain monometer in good operating condition. 1171 Maintain and use only compliant cleaning solvents.	<u>OPEN/PENDING</u>
ADVANTECH OF CA LLC CIRCLE DRY CLEANERS	182184	NC	E40245	8/31/2017	8/31/2017	1102	1102 maintain complete operating logs and provide solvent purchase records. 222 apply for the registration of 2 boilers.	<u>CLOSED/RESOLVED</u>
ADVANTECH OF CA LLC CIRCLE DRY CLEANERS	182184	NC	E40245	8/31/2017	8/31/2017	222	1102 maintain complete operating logs and provide solvent purchase records. 222 apply for the registration of 2 boilers.	<u>CLOSED/RESOLVED</u>
AIR PROD & CHEM INC	3417	NC	E07238	12/22/2016	10/31/2015	2004(b)(2)	Please submit all required reports including but not limited to QCERs and APEPs on or before the end of the prescribed reconciliation period.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P60358	2/5/2016	7/1/2014	2004(e)(1)	Inaccurate certification of quarterly emissions for 1st, 2nd, and 4th quarters. Failure to report data by means of the data acquisition and handling system for the missing hours in accordance with applicable procedures for substituting missing data.	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P60358	2/5/2016	7/1/2014	2012 Appendix A, Chapter 2(B)(5)(f)	Inaccurate certification of quarterly emissions for 1st, 2nd, and 4th quarters. Failure to report data by means of the data acquisition and handling system for the missing hours in accordance with applicable procedures for substituting missing data.	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P63375	3/21/2018	7/1/2017	2004(F)(1)	1) Failure to comply with all rules & permit conditions applicable to the facility. 2) Failure to hold adequate RTCs at the commencement of each compliance year. 3) Failure to operate all equipment at a title V facility in compliance with terms.	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P63375	3/21/2018	7/1/2017	2005(f)(1)	1) Failure to comply with all rules & permit conditions applicable to the facility. 2) Failure to hold adequate RTCs at the commencement of each compliance year. 3) Failure to operate all equipment at a title V facility in compliance with terms.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P63375	3/21/2018	7/1/2017	3002(C)(1)	1) Failure to comply with all rules & permit conditions applicable to the facility. 2) Failure to hold adequate RTCs at the commencement of each compliance year. 3) Failure to operate all equipment at a title V facility in compliance with terms.	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NOV	P63380	10/2/2018	1/1/2018	3002(C)(1)	RULE 3002 (C) (1) __ ISSUED FOR SELF REPORTED TITLE V DEVIATIONS. SEE ATTACHED	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NC	E07786	1/10/2017	12/31/2016	2004	1) Submit all required reports including but not limited to QCERs and APEPs on or before the end of the prescribed reconciliation period. 2) Operate a direct monitoring device to measure NOx emissions for device D38, even if the unit is down.	<u>CLOSED/RESOLVED</u>
AIR PRODUCTS AND CHEMICALS, INC.	101656	NC	E07786	1/10/2017	12/31/2016	2012(C)(2)	1) Submit all required reports including but not limited to QCERs and APEPs on or before the end of the prescribed reconciliation period. 2) Operate a direct monitoring device to measure NOx emissions for device D38, even if the unit is down.	<u>CLOSED/RESOLVED</u>
AIR-TEC	82584	NOV	P71549	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 2708	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
AJRC INC	166599	NOV	P72479	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5905	<u>OPEN/PENDING</u>
AL LARSON BOAT SHOP	21862	NC	E41961	12/7/2017	12/6/2017	203(B)	Operate equipment in accordance with permit conditions requiring operation logs; maintain a copy of the permits with the equipment	<u>OPEN/PENDING</u>
AL LARSON BOAT SHOP	21862	NC	E41961	12/7/2017	12/6/2017	206	Operate equipment in accordance with permit conditions requiring operation logs; maintain a copy of the permits with the equipment	<u>OPEN/PENDING</u>
AL LARSON BOAT SHOP	21862	NC	E41272	2/22/2018	2/22/2018	42303		<u>CLOSED/RESOLVED</u>
ALBERTSONS STORE #6132	174437	NC	E34806	2/18/2016	2/18/2016	1110.2	MAINTAIN ENGINE OPERATION LOG PER PERMIT CONDITIONS.	<u>CLOSED/RESOLVED</u>
ALLIED QUALITY CLEANERS	133179	NC	E07947	5/24/2016	5/24/2016	1421	(1) Provide complete operating records for dry-cleaning machine; (2) Provide perc purchase receipts; (3) Provide proof of replacement of gaskets; (4) Provide proof of cleaning of cooling coils.	<u>CLOSED/RESOLVED</u>
ALLIED QUALITY CLEANERS	133179	NC	E07947	5/24/2016	5/24/2016	203	(1) Provide complete operating records for dry-cleaning machine; (2) Provide perc purchase receipts; (3) Provide proof of replacement of gaskets; (4) Provide proof of cleaning of cooling coils.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ALLOY PROCESSING	117435	NOV	P66461	2/14/2018	2/2/2018	1469(k)(3)(A)	Failure to submit Ongoing Compliance Status and Emission Report for calendar year 2017 by February 1st of 2018 deadline.	<u>OPEN/PENDING</u>
ALLOY PROCESSING	117435	NC	E35730	5/17/2017	2/1/2017	1469	OCS&E Report shall be submitted on or before February 1 for all sources & shall include information covering the preceding calendar year (January 1 through December 31).	<u>CLOSED/RESOLVED</u>
ALLOY PROCESSING	117435	NC	E40109	8/18/2017	8/18/2017	203(a), (b)	Obtain permit to operate Dichromate sealing tank. Fix pre_filter so pressure difference stay between 1.0 and 3.0 inches of water. add fume suppressant to reduce surface tension to below 31 dynes per centimeter	<u>CLOSED/RESOLVED</u>
ALVIN'S AUTO BODY & PAINT	60697	NC	E36583	7/29/2016	7/29/2016	203	MAINTAIN NATURAL GAS USAGE LOG TO DEMONSTRATE COMPLIANCE WITH CONDITIONS NO. 6, 7 AND 8 OF PO G1000.	<u>CLOSED/RESOLVED</u>
AMERICAN OIL	185084	NC	E38749	6/27/2017	6/27/2017	203(A)	apply for change of operator permit with AQMD _ form 400CO; schedule vapor recovery performance test within 10 days of initial operation after installation of vapor recovery test	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
AMERICAN OIL	185084	NC	E38749	6/27/2017	6/27/2017	461(e)(1)	apply for change of operator permit with AQMD _ form 400CO; schedule vapor recovery performance test within 10 days of initial operation after installation of vapor recovery test	<u>CLOSED/RESOLVED</u>
AMERICAN PET CORP	158433	NOV	P72381	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6610	<u>OPEN/PENDING</u>
AMERICAN PET CORP	158433	NC	E32435	8/25/2016	8/25/2016	41960.2	REPAIR OR REPLACE NOZZLE #7 - INOPERATIVE BUMP IN. PROVIDE PERIODIC COMPLIANCE INSPECTION REPORTS FOR 2016 AND 2015.	<u>CLOSED/RESOLVED</u>
AMERICAN PET CORP	158433	NC	E32435	8/25/2016	8/25/2016	461	REPAIR OR REPLACE NOZZLE #7 - INOPERATIVE BUMP IN. PROVIDE PERIODIC COMPLIANCE INSPECTION REPORTS FOR 2016 AND 2015.	<u>CLOSED/RESOLVED</u>
ANHEUSER-BUSCH SALES-BEACH CITIES	133656	NOV	P71681	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4016	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #105	177876	NOV	P72711	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5695	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
APRO LLC DBA UNITED OIL #105	177876	NC	E43037	4/26/2018	4/26/2018	461(c)(1) (A)(v), (c)(1)(A)(i v), (c)(2)(B)	Maintain spill buckets clean of liquid and debris. Repair/replace dust cap on tank #1 vapor side that has loose gasket. Repair faceplate on nozzle #3 that is twisted	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #106	177877	NOV	P72712	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5688	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #106	177877	NC	E38732	4/28/2017	4/28/2017	461(e)(2) (C)	Conduct next vapor recovery reverification test in September 2017, and every march and September thereafter	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #115	177902	NOV	P72720	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5602	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #118	177904	NOV	P67661	5/25/2018	10/1/2015	461(c)(2) (B)	Failure to maintain Healy quarterly inspections as required by the manufacturer.	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #118	177904	NOV	P72722	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5589	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
APRO LLC DBA UNITED OIL #118	177904	NC	E43041	5/3/2018	5/3/2018	203(b)	Maintain spill buckets clear of debris. Replace hose #1 that has braided wire showing. Maintain Healy Quarterly inspections. Provide throughput records for March and April 2018. Maintain ISD alarm log and record every alarm within 2 hours of the start...	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #118	177904	NC	E43041	5/3/2018	5/3/2018	461(c)(1) (A)(v), (c)(2)(B), (c)6)(D)	Maintain spill buckets clear of debris. Replace hose #1 that has braided wire showing. Maintain Healy Quarterly inspections. Provide throughput records for March and April 2018. Maintain ISD alarm log and record every alarm within 2 hours of the start...	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #120	177905	NOV	P67659	5/23/2018	4/1/2015	461(c)(2) (B)	Failure to maintain Healy quarterly inspections as required by the manufacturer	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #120	177905	NOV	P67667	7/5/2018	5/24/2018	461(C)(2) (B)	Failure to maintain Healy quarterly inspections as dictated in the VR-202 Installation and Operation Manual	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #120	177905	NOV	P72723	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5572	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
APRO LLC DBA UNITED OIL #120	177905	NC	E43038	4/26/2018	4/26/2018	461(c)(2) (B), (e)(7)	Replace torn boots on nozzle #'s 1, 7, 10, and 12. Repair/replace twisted faceplate on nozzle #3. Ensure nozzle #2 is fueling correctly and not shutting off prematurely. Provide records of Healy quarterly inspections.	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #151	177958	NOV	P72753	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5275	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #151	177958	NC	E46335	11/28/2018	11/28/2018	461(c)(1) (A)(v), (c)(3)(G)	Maintain spill buckets clear of liquid and debris. Ensure AQMD required decals are visibly posted at all fueling points (information covered over on dispenser 5/6)	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #165	177971	NOV	P72762	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5183	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #179	177983	NOV	P64335	11/17/2016	10/31/2015	203(B)	Operating a gasoline dispensing facility contrary to condition #26 of AQMD Permit to Operate N29178 (Exceeded monthly gasoline throughput limit of 650,000 gallons per month in: March 2016, October 2015, December 2015)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
APRO LLC DBA UNITED OIL #179	177983	NOV	P72774	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5060	<u>OPEN/PENDING</u>
APRO LLC DBA UNITED OIL #32	177843	NOV	P70667	11/29/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1531	<u>CLOSED/RESOLVED</u>
APRO LLC DBA UNITED OIL #32	177843	NOV	P72698	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5824	<u>OPEN/PENDING</u>
ARCO #42014, TREASURE FRANCHISE CO LLC	174641	NOV	P64947	8/8/2018	8/8/2018	461(e)(5)	Operating gasoline dispensing equipment components after a failed test: FP # 1 - 87, FP # 2 - 91, FP # 3 - 87 and 91, FP # 4 - all grades, FP # 5 - all grades, FP # 7 - 91	<u>OPEN/PENDING</u>
ARCO #42055, TESORO REFINING & MKTG. CO.	174631	NC	E38039	2/16/2017	2/16/2017	41960.2(e)	Replace hose #6 (hose crimped/flat); provide monthly gasoline throughput for 2015/2016; provide periodic compliance inspection for 2017;	<u>CLOSED/RESOLVED</u>
ARCO #42055, TESORO REFINING & MKTG. CO.	174631	NC	E38039	2/16/2017	2/16/2017	461(e)(6) (D), (d)(1)(B)	Replace hose #6 (hose crimped/flat); provide monthly gasoline throughput for 2015/2016; provide periodic compliance inspection for 2017;	<u>CLOSED/RESOLVED</u>
ARCO #42118	174628	NC	E40974	11/16/2017	11/16/2017	41960.2e	Repair or replace product cap at 91/East UST (missing gasket); repair or replace Nozzle # 7 - sticky interlock	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ARCO #42118	174628	NC	E40974	11/16/2017	11/16/2017	461c1Aiv	Repair or replace product cap at 91/East UST (missing gasket); repair or replace Nozzle # 7 - sticky interlock	<u>CLOSED/RESOLVED</u>
ARCO-KAVIR, INC.	152617	NC	E35779	5/27/2016	5/27/2016	203(B)	PROVIDE DAILY & WEEKLY INSPECTION RECORDS AND ISD ALARM AND MAINTENANCE & REPAIR LOGS. REPLACE VAPOR COLLECTION SLEEVES ON PUMPS #7 & 10 - CONTAIN HOLES/TEARS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID. USE COMPLIANT (CARB-APPROVED/CERTIFIED) VAPOR	<u>CLOSED/RESOLVED</u>
ARCO-KAVIR, INC.	152617	NC	E35779	5/27/2016	5/27/2016	41960.2	PROVIDE DAILY & WEEKLY INSPECTION RECORDS AND ISD ALARM AND MAINTENANCE & REPAIR LOGS. REPLACE VAPOR COLLECTION SLEEVES ON PUMPS #7 & 10 - CONTAIN HOLES/TEARS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID. USE COMPLIANT (CARB-APPROVED/CERTIFIED) VAPOR	<u>CLOSED/RESOLVED</u>
ARCO-KAVIR, INC.	152617	NC	E35779	5/27/2016	5/27/2016	461(C)(1) (A)	PROVIDE DAILY & WEEKLY INSPECTION RECORDS AND ISD ALARM AND MAINTENANCE & REPAIR LOGS. REPLACE VAPOR COLLECTION SLEEVES ON PUMPS #7 & 10 - CONTAIN HOLES/TEARS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID. USE COMPLIANT (CARB-APPROVED/CERTIFIED) VAPOR	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ARCO-KAVIR, INC.	152617	NC	E35779	5/27/2016	5/27/2016	461(C)(2)(B)	PROVIDE DAILY & WEEKLY INSPECTION RECORDS AND ISD ALARM AND MAINTENANCE & REPAIR LOGS. REPLACE VAPOR COLLECTION SLEEVES ON PUMPS #7 & 10 - CONTAIN HOLES/TEARS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID. USE COMPLIANT (CARB-APPROVED/CERTIFIED) VAPOR	<u>CLOSED/RESOLVED</u>
ARCO-KAVIR, INC.	152617	NC	E44713	6/15/2018	6/15/2018	461(c)(1)(A)(iv); (c)(3)(G); (e)(6)(D)	Repair or replace vapor dry break cap at west UST - cap is missing gasket; install missing AQMD Complaint # 800-242-4020 at AQMD signs - all dispensers; provide throughput totals from January 2018 to May 2018	<u>CLOSED/RESOLVED</u>
ARTISTIC WELDING, INC	167986	NC	E40241	8/18/2017	8/18/2017	109	1171_Use low VOC gun cleaning solvent, 203_apply for correction of filter numbers on PSB, 1107_use HVLP spray guns, 109_maintain daily records of coatings and solvents	<u>CLOSED/RESOLVED</u>
ARTISTIC WELDING, INC	167986	NC	E40241	8/18/2017	8/18/2017	1107	1171_Use low VOC gun cleaning solvent, 203_apply for correction of filter numbers on PSB, 1107_use HVLP spray guns, 109_maintain daily records of coatings and solvents	<u>CLOSED/RESOLVED</u>
ARTISTIC WELDING, INC	167986	NC	E40241	8/18/2017	8/18/2017	1171	1171_Use low VOC gun cleaning solvent, 203_apply for correction of filter numbers on PSB, 1107_use HVLP spray guns, 109_maintain daily records of coatings and solvents	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ARTISTIC WELDING, INC	167986	NC	E40241	8/18/2017	8/18/2017	203(A)	1171_Use low VOC gun cleaning solvent, 203_apply for correction of filter numbers on PSB, 1107_use HVLP spray guns, 109_maintain daily records of coatings and solvents	<u>CLOSED/RESOLVED</u>
ATLANTIC RETAIL, INC	176237	NC	E44869	8/2/2018	8/2/2018	203(B)	Provide/maintain ISD alarm log. Replace torn boot on nozzle #9. Replace hoses with braided wire showing (whip hoses on: 3, 7, 8, and 10 Curb hoses on: 1, 3, 9, and 10). Provide VST weekly inspection records. Provide/maintain repair logs.	<u>CLOSED/RESOLVED</u>
ATLANTIC RETAIL, INC	176237	NC	E44869	8/2/2018	8/2/2018	461(c)(2)(B), (d)(1)(A), (e)(6)(B), (e)(6)(C), (e)(6)(D)	Provide/maintain ISD alarm log. Replace torn boot on nozzle #9. Replace hoses with braided wire showing (whip hoses on: 3, 7, 8, and 10 Curb hoses on: 1, 3, 9, and 10). Provide VST weekly inspection records. Provide/maintain repair logs.	<u>CLOSED/RESOLVED</u>
ATLANTIC RETAIL, INC	176237	NC	E45442	9/20/2018	9/20/2018	461(e6C)	Conduct Methodology 4 and Methodology 6 Dynamic backpressure tests on next scheduled test and schedule as a performance test	<u>CLOSED/RESOLVED</u>
BDS NATURAL PRODUCTS	149431	NC	E40420	6/2/2017	6/2/2017	1415	submit rule 1415 registration plan for ac units containing more than 50 pounds of refrigerant every 2 years	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
BDS NATURAL PRODUCTS	149431	NC	E40421	6/2/2017	6/2/2017	42303	provide proof that boiler has been checked with a portable analyzer or provide 2 tune up results per year if boiler has used more than 18000 therms per year	<u>CLOSED/RESOLVED</u>
BIXBY KNOLLS CLEANERS, LINH CAO	163454	NC	E35432	4/15/2016	4/15/2016	42303	PROVIDE OPERATION RECORDS FOR DRY CLEANING OPERATION (ANNUAL REPORT, SOLVENT USAGE, ARB TRAINING LICENSE, PROOF COOLING COILS AND GASKETS HAVE BEEN SERVICED).	<u>CLOSED/RESOLVED</u>
BIXBY KNOLLS TOWERS	84659	NOV	P65790	5/22/2018	5/22/2018	222	failure to register 3 natural gas fired boilers rated 1_2 million btu/hr.	<u>OPEN/PENDING</u>
BIXBY KNOLLS TOWERS	84659	NC	E40403	5/11/2017	5/11/2017	222	submit rule 222 registration for boilers	<u>CLOSED/RESOLVED</u>
BIXBY KNOLLS TOWERS/RETIREMENT HOUSING F	125774	NC	E40402	5/11/2017	5/11/2017	1415	submit rule 1415 plans for ac units	<u>CLOSED/RESOLVED</u>
BREA CANON OIL COMPANY INC	82513	NC	E37228	12/8/2016	11/29/2016	1173(G)(1)	Repair, replace, or remove stuffing box from well 1-12	<u>CLOSED/RESOLVED</u>
C W SERVICES, INC	133266	NC	E40423	6/15/2017	6/15/2017	42303	provide SDS for metals showing and plasma arc cutter usage records	<u>CLOSED/RESOLVED</u>
C.J. FIBERGLASS	147172	NC	E35876	5/19/2016	5/19/2016	42303	PROVIDE VOC RECORDS FOR SPRAY BOOTH AND STYRENE MONOMER CONENT OF RESIN	<u>CLOSED/RESOLVED</u>
C.J. FIBERGLASS	147172	NC	E35872	6/17/2016	6/17/2016	203	MAINTAIN VOC RECORDS THAT CALCULATE VOC EMISSIONS WITH EMISSION FACTORS GIVEN IN PERMIT TO OPERATE	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CA GAS MINI MARKET CORPORATION	115124	NOV	P65716	6/15/2017	3/1/2017	461(c)(2)(B), (d)(1)(B), (e)(6)(D)	Operating a gasoline dispensing facility contrary to CARB certification (ISD pressure sensor not being read by ISD software, unable to make containment assessments); Failure to conduct periodic compliance inspection; Failure to provide monthly gasoline	<u>OPEN/PENDING</u>
CA GAS MINI MARKET CORPORATION	115124	NOV	P70692	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 1791	<u>CLOSED/RESOLVED</u>
CA GAS MINI MARKET CORPORATION	115124	NOV	P71951	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8588	<u>OPEN/PENDING</u>
CA GAS MINI MARKET CORPORATION	115124	NC	E38739	5/24/2017	5/24/2017	461(c)(2)(B), (e)(6)(D), (d)(1)(B)	Correct/repair issue with Veeder_Root ISD (software unable to detect vapor pressure; no pressure or vapor leak alarm assessments being made); provide monthly gasoline throughput records for 2016 and 2017; provide periodic compliance inspection for 2017	<u>CLOSED/RESOLVED</u>
CAL ST UNIV, DOMINGUEZ HILLS	2961	NOV	P71290	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0095	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CAL ST, HIGHWAY PATROL	16585	NOV	P71354	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0729	<u>OPEN/PENDING</u>
CALIBER COLLISION CENTER	176554	NC	E34530	2/16/2016	2/16/2016	42303	PROVIDE GAS BILLS TO DEMONSTRATE COMPLIANCE WITH CONDITON NO. 6 ON PERMIT TO OPERATE G31236.	<u>CLOSED/RESOLVED</u>
CALIBER COLLISION CENTER	176554	NC	E41189	12/7/2017	12/7/2017	42303	Provide gas bills for 2017. Provide paint usage/VOC records for 2017.	<u>CLOSED/RESOLVED</u>
CALIFORNIA WATER SERVICE CO	139513	NC	E37702	8/25/2016	8/25/2016	206	post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
CALIFORNIA WATER SERVICE CO	139513	NC	E37703	8/25/2016	8/25/2016	42303	provide quarterly water sample analysis and weekly H2S concentration records	<u>CLOSED/RESOLVED</u>
CARBON ACTIVATED CORPORATION	126299	NOV	P67109	6/12/2018	6/8/2018	203(b)	Operating equipment contrary to the conditions specified in the permit to operate (a.i. operating below 1450* degrees Fahrenheit)	<u>OPEN/PENDING</u>
CARDLOCK FUELS SYSTEM, INC.	115488	NOV	P65712	5/9/2017	9/1/2015	461(e)(2)(A)(i)	Failure to conduct vapor recovery tests semiannually (tests done 2-4-15, 2-2-16, 2-8-17 with monthly throughput greater than 100k gallons	<u>CLOSED/RESOLVED</u>
CARDLOCK FUELS SYSTEM, INC.	115488	NOV	P71960	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8670	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CARDLOCK FUELS SYSTEM, INC.	115488	NC	E38733	5/9/2017	5/9/2017	461(c)(2)(B)	Repair ISD/Fueling Points #5 and #6 not returning V/L data	<u>CLOSED/RESOLVED</u>
CARSON MINI TRUCK STOP, EDCO STATION INC	110932	NC	E41490	5/22/2018	5/22/2018	461(e)(6)(A); (e)(6)(C); (e)(6)(D); (d)(1)(B)	Provide current 2018 Daily / Weekly Maintenance Inspection records; provide copy of March 2018 Vapor Recovery test records; provide update gasoline throughput from January 2017 to April 2018; Provide March 2018 Periodic Compliance Inspection record	<u>CLOSED/RESOLVED</u>
CARSON RECLAMATION AUTHORITY	183607	NC	E43216	5/30/2018	5/30/2018	1150.1(3)	Submit 2015 annual report.	<u>CLOSED/RESOLVED</u>
CARSON TOYOTA	23016	NOV	P71384	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1023	<u>OPEN/PENDING</u>
CARSON VALERO, INC.	157293	NOV	P70820	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8763	<u>CLOSED/RESOLVED</u>
CCL TUBE, INC	155246	NC	E36446	5/6/2016	5/6/2016	42303	provide VOC content of inks, provide usage for inks, demonstrate rule 219 exemption for extruders	<u>CLOSED/RESOLVED</u>
CCL TUBE, INC	155246	NC	E36580	8/23/2016	8/23/2016	109	obtain permit to operate equipment not exempt per rule 219 and maintain VOC records per piece of equipment	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CCL TUBE, INC	155246	NC	E36580	8/23/2016	8/23/2016	203	obtain permit to operate equipment not exempt per rule 219 and maintain VOC records per piece of equipment	<u>CLOSED/RESOLVED</u>
CHANDLER'S RECYCLING	181904	NC	E46138	11/29/2018	11/29/2018	PERP 2460(b)(1)	Failure to contact the home district with 45 days after renewal of reg. to arrange required inspection.	<u>CLOSED/RESOLVED</u>
CHEMLINE CA, INC	182889	NC	E40776	9/6/2017	9/6/2017	42303	Request equipment specification for blender and storage tank. provide SDS with VOC information for raw materials	<u>OPEN/PENDING</u>
CHEMOIL TERMINALS CORP, CARSON TERMINAL	178770	NC	E30139	10/4/2017	8/7/2017	3002(a)(1)	submit application/fees to correct equipment description (burner model/rating) on the thermal oxidizer under A/N 570369 (P/O G36999)	<u>OPEN/PENDING</u>
CHEMOIL TERMINALS CORP, CARSON TERMINAL	178770	NC	E41161	3/27/2018	2/28/2018	3002(C)(1)	(1) Submit 500_ACC report to AQMD on or before deadline. (2) Submit 500_SAM report to AQMD on or before deadline.	<u>CLOSED/RESOLVED</u>
CHEMOIL TERMINALS CORPORATION, LONG BEAC	178769	NC	E36334	8/31/2017	8/31/2017	1142	R1172(g) Provide records in an electronic format of all loading, lightering, ballasting, and housekeeping events (including emergency venting) conducted in district waters from January 1, 2017 through August 30, 2017	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CIRCLE K STORES INC #2709493	174177	NOV	P64919	8/15/2017	8/15/2017	41960.2a	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturers' specification of the certified system; Faulty interlock by field test - Nozzle # 2 (failed "A" check) - failure to maintain gasoline dispensing	<u>CLOSED/RESOLVED</u>
CIRCLE K STORES INC #2709493	174177	NOV	P64919	8/15/2017	8/15/2017	461(c)(2) (B); (c)(3)(P)	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturers' specification of the certified system; Faulty interlock by field test - Nozzle # 2 (failed "A" check) - failure to maintain gasoline dispensing	<u>CLOSED/RESOLVED</u>
CIRCLE K STORES INC #2709493	174177	NOV	P70558	11/29/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0251	<u>CLOSED/RESOLVED</u>
CIRCLE K STORES INC., GARGES HANA, SITE	169321	NC	E43043	5/4/2018	5/4/2018	461(c)(1) (A)(ii)	Repair/replace dust caps on the vapor side of regular and special tanks.	<u>CLOSED/RESOLVED</u>
CIRCLE K STORES, INC. M THEIN MYINT SITE	169294	NC	E42325	3/28/2018	3/28/2018	461(c)(3) (G)	Correct AQMD Signage Complaint Phone # to 800-242-4020	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CITY OF LA, DEPT OF RECREATION & PARKS	96220	NOV	P71575	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 2951	<u>OPEN/PENDING</u>
CITY PAPER & METAL CO	60145	NC	E35116	3/8/2016	3/8/2016	42303	PROVIDE AND MAINTAIN NATURAL GAS USAGE LOG.	<u>CLOSED/RESOLVED</u>
CLASSIC AUTO RESTORATION	180472	NC	E36312	6/30/2016	6/30/2016	1171	203(a): Obtain a valid permit to operate; 42303: Provide VOC Usage records; 1171: Use compliant solvents	<u>CLOSED/RESOLVED</u>
CLASSIC AUTO RESTORATION	180472	NC	E36312	6/30/2016	6/30/2016	203	203(a): Obtain a valid permit to operate; 42303: Provide VOC Usage records; 1171: Use compliant solvents	<u>CLOSED/RESOLVED</u>
CLASSIC AUTO RESTORATION	180472	NC	E36312	6/30/2016	6/30/2016	42303	203(a): Obtain a valid permit to operate; 42303: Provide VOC Usage records; 1171: Use compliant solvents	<u>CLOSED/RESOLVED</u>
CLAYTON CHEMICAL	175116	NC	E40247	9/5/2017	9/5/2017	203	203_ submit application for permit to operate materials blending unit.	<u>CLOSED/RESOLVED</u>
COAST PLATING INC	21593	NC	E30740	5/19/2016	5/19/2016	42303	PROVIDE THE FOLLOWING RECORDKEEPING: SMOKE TEST, AMPER HOUR METER READING, CALIBRATION RECORDS, POSTED PERMITS	<u>OPEN/PENDING</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
COAST PLATING INC	21593	NC	E33843	9/28/2017	9/18/2017	42303	SHOW/PROVIDE PROOF OF APPLICATION FOR PERMIT TO OPERATE TANK 13B _ DILUTE CHROMATE SEAL; TANK 9 _ CHEMFILM AND; TANK 7 _ DEOXIDIZER	<u>OPEN/PENDING</u>
COAST PLATING INC	21593	NC	E26435	12/4/2017	12/4/2017	42303	SHOW PROOF/PROVIDE COPIES OF THE FOLLOWING: 1) SMOKE TEST; 2) HOUSEKEEPING LOG; 3) QUARTERLY/MAINTENANCE LOG.	<u>OPEN/PENDING</u>
COAST PLATING INC	21593	NC	E42713	2/27/2018	2/14/2018	42303	Provide SDS for solutions for tanks 52, 13b, 51, 51a, 54, 55, 24,20a and red/yellow/green/violet/blue dye tanks. Provide specs. For natural gas burner on tanks 13b, 5,18,20,22. Provide SDS for solvent based cleaners: oil based wax remover, Poly power degreaser	<u>CLOSED/RESOLVED</u>
COAST PLATING INC	21593	NC	E42714	2/27/2018	2/14/2018	203(B)	Failure to comply with permit condition #3 on PTO D57012 & D57013. Tank #'s 9, 9A, 9B and 42 are heated.	<u>CLOSED/RESOLVED</u>
COAST PLATING INC	21593	NC	E43579	8/28/2018	8/24/2018	203(b)	Operate paint spray booth P/O G24340 in accordance with condition 11 of the permit	<u>CLOSED/RESOLVED</u>
COAST PLATING INC	112968	NC	E30739	5/19/2016	5/19/2016	42303	PROVIDE THE FOLLOWING RECORDKEEPING: AMPER HOUR LOGS, HEPA LOGS (UPDATE), HOUSEKEEPING LOGS, CALIBRATION OF AMPER HOUR METER/RECTIFIER, SMOKE TEST	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
COAST PLATING INC	112968	NC	E33828	6/21/2016	5/19/2016	42303	PROVIDE SOURCE TEST REPORT FOR DRYING OVEN, APPLICATION # 522486; PROVIDE SOURCE TEST REPORTS FOR THE FOLLOWING: DRYING OVEN APPLICATION #'S 570418, 570419, 570420;	<u>OPEN/PENDING</u>
COAST PLATING INC	112968	NC	E30745	9/9/2016	9/9/2016	42303	HOME MAGNEHELIC GAUGES FOR CHROME TANK, #10 CHECKED FOR PROPER FUNCTION- SHOW PROOF & CORRECTION	<u>OPEN/PENDING</u>
COAST PLATING INC	112968	NC	E26436	12/4/2017	12/4/2017	42303	SHOW PROOF/PROVIDE RECORDS OF THE FOLLOWING: 1) SMOKE TEST; 2) HOUSEKEEPING LOG; 3) QUARTERLY/MAINTENANCE LOG (APC).	<u>OPEN/PENDING</u>
COAST PLATING INC	112968	NC	E43461	3/27/2018	3/21/2018	203(b)	FAILURE TO COMPLY WITH CONDITION #6B ON PERMIT TO OPERATE #G31392. A CONTINUOUS RECORDING, NON_RESETTABLE, AMPERE_HOUR METER IS NOT EQUIPPED ON THE SULFURIC ACID ANODIZING TANK NOS. A7, A9, A12 AND A22.	<u>CLOSED/RESOLVED</u>
COAST PLATING INC	112968	NC	E43464	3/27/2018	3/21/2018	42303	<b>**SEE REPORT TAB FOR COMPLIANCE**</b>	<u>CLOSED/RESOLVED</u>
COLLISION WORKS INC	121097	NC	E39854	7/25/2017	7/25/2017	203(B)	Have functional manometer working within permit limits.	<u>CLOSED/RESOLVED</u>
COLLISION WORKS INC	121097	NC	E39855	7/25/2017	7/25/2017	42303	Provide paint usage/VOC records for 2016/2017.	<u>CLOSED/RESOLVED</u>
COLOR KING WORLD	173878	NC	E34813	2/18/2016	2/18/2016	109	REPAIR MONOMETER AND MAINTAIN COMPLETE VOC RECORDS	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
COLOR KING WORLD	173878	NC	E34813	2/18/2016	2/18/2016	203	REPAIR MONOMETER AND MAINTAIN COMPLETE VOC RECORDS	<u>CLOSED/RESOLVED</u>
COLOR KING WORLD	173878	NC	E39215	7/11/2017	7/11/2017	42303	Provide paint usage/VOC records for 2016/2017.	<u>CLOSED/RESOLVED</u>
COLOR KING WORLD	173878	NC	E39216	7/11/2017	7/11/2017	203(B)	Have functional manometer working within permit limits.	<u>CLOSED/RESOLVED</u>
CORONET MFG CO INC	19144	NOV	P64013	5/17/2016	3/27/2016	3002(c)(1)	3002(c)(1): Facility failed to comply with conditions of Title V permit; 3003(a)(6): Facility failed to submit a timely Title V Permit renewal application, at least 180 days prior to date of present Title V Permit expiration	<u>CLOSED/RESOLVED</u>
CORONET MFG CO INC	19144	NOV	P64013	5/17/2016	3/27/2016	3003(a)(6)	3002(c)(1): Facility failed to comply with conditions of Title V permit; 3003(a)(6): Facility failed to submit a timely Title V Permit renewal application, at least 180 days prior to date of present Title V Permit expiration	<u>CLOSED/RESOLVED</u>
CORONET MFG CO INC	19144	NC	E36311	5/26/2016	5/17/2016	3002(c)(1)	3002(c)(1): Submit source test protocol for oven associated with A/N 557987.	<u>CLOSED/RESOLVED</u>
CUNICO CORP	131470	NC	E36439	5/3/2016	5/3/2016	203	MAINTAIN THROUGHPUT RECORDS FOR ABRASIVE BLASTING ROOM TO DEMONSTRATE COMPLIANCE WITH THROUGHPUT LIMIT	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
CUSTOM FIBREGLASS MFG. CO DBA SNUGTOP	185059	NC	E42756	3/20/2018	3/20/2018	42303	Provide total VOCs for facility. Provide quantities for P/Os G47611, G47622, G47624, and G47629. Provide fuel logs for P/O G47621. Provide zeolite/carbon adsorption activity efficiency results.	<u>CLOSED/RESOLVED</u>
DECORE PLATING	98554	NC	E43572	6/28/2018	6/28/2018	203(b)	see report	<u>OPEN/PENDING</u>
DELAMO PARK, INC.	112383	NOV	P70773	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8299	<u>CLOSED/RESOLVED</u>
DELAMO PARK, INC.	112383	NOV	P71935	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8427	<u>OPEN/PENDING</u>
DELAMO PETROLEUM	128278	NOV	P70920	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9791	<u>CLOSED/RESOLVED</u>
DELAMO PETROLEUM	128278	NOV	P72022	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9288	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
DEWEY PEST CONTROL	28822	NOV	P71408	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1269	<u>OPEN/PENDING</u>
DINO STATION	181985	NOV	P70892	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9494	<u>CLOSED/RESOLVED</u>
DINO STATION	181985	NOV	P68405	10/10/2018	10/10/2018	41960.2a	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturers' specification of the certified system; Operating a gasoline dispensing system contrary to the CARB Executive Order, including the IOM - uncertified	<u>OPEN/PENDING</u>
DINO STATION	181985	NOV	P68405	10/10/2018	10/10/2018	461(c)(2)(B); (c)(3)(P)	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturers' specification of the certified system; Operating a gasoline dispensing system contrary to the CARB Executive Order, including the IOM - uncertified	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
DINO STATION	181985	NC	E45338	10/10/2018	10/10/2018	461(e)(2)(C); (d)(1)(B); (e)(6)(D)	Conduct next reverification test in October 2018 to remain on April/October test schedule (late test was conducted November 2017); Provide 2018 Periodic Compliance Inspection record; Provide missing throughput totals from January 2017 to September 2018	<u>CLOSED/RESOLVED</u>
E&B NATURAL RESOURCES MGMT. CORP.	171049	NC	E40790	11/20/2018	11/20/2018	42303	Provide 1173 Records	<u>CLOSED/RESOLVED</u>
EAGLE MARINE SERVICES	112562	NOV	P71625	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 3453	<u>OPEN/PENDING</u>
ECO SERVICES OPERATIONS CORP.	180908	NOV	P66201	9/26/2017	12/15/2016	2004(F)(1)	Monitored SOx concentration exceeded 380 ppm	<u>OPEN/PENDING</u>
ECO SERVICES OPERATIONS CORP.	180908	NC	E29383	9/26/2017	1/1/2016	2004	See Report	<u>OPEN/PENDING</u>
ECO SERVICES OPERATIONS CORP.	180908	NC	E29383	9/26/2017	1/1/2016	2011APP ENDIX A	See Report	<u>OPEN/PENDING</u>
ECO SERVICES OPERATIONS CORP.	180908	NC	E29383	9/26/2017	1/1/2016	2012APP EN A	See Report	<u>OPEN/PENDING</u>
ECO SERVICES OPERATIONS CORP.	180908	NC	E42164	7/13/2018	7/13/2018	2011APP ENDIX A Att. B	Correctly apply bias adjustment factor (BAF) in emission calculations and provide to inspector.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ECO SERVICES OPERATIONS CORP.	180908	NC	E42164	7/13/2018	7/13/2018	2012APP EN A Att. B	Correctly apply bias adjustment factor (BAF) in emission calculations and provide to inspector.	<u>CLOSED/RESOLVED</u>
ECO SERVICES OPERATIONS CORP.	180908	NC	E42167	7/24/2018	7/24/2018	2004(e)(1), (b)(4)	Submit QCERs and APEP reports with accurate emissions on time.	<u>CLOSED/RESOLVED</u>
ELECTRO_TECH MACHINING	166289	NC	E37739	11/1/2016	11/1/2016	109	MAINTAIN VOC RECORDS FOR EPOXY RESIN AND PIGMENT CONTAINING VOCS	<u>CLOSED/RESOLVED</u>
ELITE 4 PRINT	169965	NC	E40147	8/31/2017	8/31/2017	203(b)	modify permit to match equipment	<u>CLOSED/RESOLVED</u>
ELRO MANUFACTURING COMPANY	102568	NC	E36433	6/21/2018	6/21/2018	203(b)	1) Make sure manometer is operating in good condition, 2) Keep and provide daily coating and solvent usage and provide purchase records for 2017 (stay below 1 gallons per day limit per permit)	<u>CLOSED/RESOLVED</u>
ENERY HOLDINGS LLC	186899	NC	E41973	6/7/2018	1/16/2018	2012(i)	Facility Permit Holder shall maintain all data required to be gathered, computed or reported pursuant to this rule and Appendix A for three years after each APEP report. All records shall be made available to the district staff upon request	<u>OPEN/PENDING</u>
ENERY HOLDINGS LLC	186899	NC	E45010	7/20/2018	1/16/2018	2004(b)(1); (e)(1); (b)(4)	Submit QCERS on or before 30 days following the end of the quarter; Submit all electronic reports using correct identifiers; Submit QCERS with accurate emissions; Submit APEP report in the manner and form specified by AQMD; Submit Title V Forms by due date	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ENERY HOLDINGS LLC	186899	NC	E45010	7/20/2018	1/16/2018	2012APP EN A Chapter 7 (D)(2)	Submit QCERS on or before 30 days following the end of the quarter; Submit all electronic reports using correct identifiers; Submit QCERS with accurate emissions; Submit APEP report in the manner and form specified by AQMD; Submit Title V Forms by due date	<u>CLOSED/RESOLVED</u>
ENERY HOLDINGS LLC	186899	NC	E45010	7/20/2018	1/16/2018	3002(C)(1)	Submit QCERS on or before 30 days following the end of the quarter; Submit all electronic reports using correct identifiers; Submit QCERS with accurate emissions; Submit APEP report in the manner and form specified by AQMD; Submit Title V Forms by due date	<u>CLOSED/RESOLVED</u>
ENERY HOLDINGS LLC	186899	NC	E45011	8/24/2018	1/16/2018	2004(b)(1); (e)(1)	Submit Quarter 1 QCER for 2018; Submit 500_ACC & 500_SAMs for 2017; Submit quarterly aggregate mass emissions for NOx process units electronic reporting (NPQ); Submit a correction for QCER 2018 to correctly categorize process unit emissions.	<u>CLOSED/RESOLVED</u>
ENERY HOLDINGS LLC	186899	NC	E45011	8/24/2018	1/16/2018	2012(e)(2)(B)	Submit Quarter 1 QCER for 2018; Submit 500_ACC & 500_SAMs for 2017; Submit quarterly aggregate mass emissions for NOx process units electronic reporting (NPQ); Submit a correction for QCER 2018 to correctly categorize process unit emissions.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ENERGY HOLDINGS LLC	186899	NC	E45011	8/24/2018	1/16/2018	3002(c)(1)	Submit Quarter 1 QCER for 2018; Submit 500_ACC & 500_SAMs for 2017; Submit quarterly aggregate mass emissions for NOx process units electronic reporting (NPQ); Submit a correction for QCER 2018 to correctly categorize process unit emissions.	<u>CLOSED/RESOLVED</u>
ENGINEERED COATINGS, INC.	178668	NC	E40150	9/5/2017	9/5/2017	206	post permit and provide records for VOC emission, amount of materials produced and total pounds of powder material	<u>CLOSED/RESOLVED</u>
ENGINEERED COATINGS, INC.	178668	NC	E40150	9/5/2017	9/5/2017	42303	post permit and provide records for VOC emission, amount of materials produced and total pounds of powder material	<u>CLOSED/RESOLVED</u>
ENI OIL & GAS INC	145144	NC	E35705	7/6/2016	7/5/2016	1150.1(F)(2)(A)	ANNUAL SOURCE TEST REPORT SHALL BE SUBMITTED TO EXECUTIVE OFFICER NO LATER THAN 45 DAYS AFTER THE ANNIVERSARY DATE OF THE INITIAL SOURCE TEST.	<u>CLOSED/RESOLVED</u>
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	NOV	P65318	10/11/2017	8/20/2016	2004(F)(1)	Failed to comply w/ Condition D90.5 for C845 of Title V RECLAIM Permit	<u>CLOSED/RESOLVED</u>
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	NOV	P65318	10/11/2017	8/20/2016	3002(C)(1)	Failed to comply w/ Condition D90.5 for C845 of Title V RECLAIM Permit	<u>CLOSED/RESOLVED</u>
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	NC	E27763	2/11/2016	7/1/2014	2012 Appendix A Ch3, K	Apply missing data procedures to the stack flow when valid data has not been obtained.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
EQUILON ENTER. LLC, SHELL OIL PROD. US	800372	NC	E27764	2/18/2016	7/1/2014	2004(e), 2004(b)(4)	Submit accurate QCERs and APEP. Do not include emissions not covered under RECLAIM program.	<u>CLOSED/RESOLVED</u>
EVERPORT TERMINAL SERVICES, INC.	183315	NC	E40753	9/28/2017	9/28/2017	222	Rule 222_ Submit application for the registration of a boiler.	<u>CLOSED/RESOLVED</u>
FED EX GROUND PACKAGE SYSTEMS	180329	NC	E40243	8/29/2017	8/29/2017	203	Rule 203_ Apply for a permit to operate Internal Combustion Engine	<u>CLOSED/RESOLVED</u>
FIBERGLASS ARTS BODY SHOP	108399	NC	108399	5/17/2016	5/17/2016	203	REPAIR OR REPLACE MONOMETER ON SPRAY BOOTH	<u>CLOSED/RESOLVED</u>
FIBERGLASS ARTS BODY SHOP	108399	NC	E35869	5/17/2016	5/17/2016	203	REPAIR OR REPLACE MONOMETER ON SPRAY BOOTH	<u>CLOSED/RESOLVED</u>
FS PRECISION TECH LLC	142267	NC	E37023	12/20/2016	12/20/2016	2012	Failure to electronically report Rule 219 emissions for the 4th QTR	<u>CLOSED/RESOLVED</u>
FS PRECISION TECH LLC	142267	NC	E39364	11/1/2017	8/31/2017	2012(g)(7)	Failure to accurately report Rule 219 emissions	<u>CLOSED/RESOLVED</u>
FS PRECISION TECH LLC	142267	NC	E40319	11/14/2018	8/23/2018	42303	To provide documents listed on RECLAIM Audit Document request provided/attached.	<u>CLOSED/RESOLVED</u>
G & M OIL CO, LLC #68	114686	NC	E43036	4/26/2018	4/26/2018	461(e)(6), (c)(2)(B)	Provide test results for Methodology 6 Dynamic Back pressure test (possibly performed 9/10/12). Replace torn boots at fueling point #2	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
GALAXY GAS INC.	187506	NC	E45459	11/28/2018	11/28/2018	203(B)	Maintain ISD alarm log including all instances of alarms, associated repairs, and alarm clears. Ensure Permit # N31598 is posted. Replace torn boot on nozzle #1. Maintain Healy weekly inspections. Ensure AQMD "nozzle problems" decals are visibly posted at	<u>CLOSED/RESOLVED</u>
GALAXY GAS INC.	187506	NC	E45459	11/28/2018	11/28/2018	206	Maintain ISD alarm log including all instances of alarms, associated repairs, and alarm clears. Ensure Permit # N31598 is posted. Replace torn boot on nozzle #1. Maintain Healy weekly inspections. Ensure AQMD "nozzle problems" decals are visibly posted at	<u>CLOSED/RESOLVED</u>
GALAXY GAS INC.	187506	NC	E45459	11/28/2018	11/28/2018	461(c)(2)(B), (c)(3)(G), (e)(6)(B), (e)(6)(C), (e)(6)(D)	Maintain ISD alarm log including all instances of alarms, associated repairs, and alarm clears. Ensure Permit # N31598 is posted. Replace torn boot on nozzle #1. Maintain Healy weekly inspections. Ensure AQMD "nozzle problems" decals are visibly posted at	<u>CLOSED/RESOLVED</u>
GS II, INC.	183567	NOV	P61576	4/25/2017	1/1/2016	1146	Operation of a Title V permitted asphalt roof covering facility: 1) Without doing 4Q2015 & 1Q2016 portable analyzer tests. 2) No. 1 is also a violation of permit condition No. 8 of section "K".	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
GS II, INC.	183567	NOV	P61576	4/25/2017	1/1/2016	3002(C)(1)	Operation of a Title V permitted asphalt roof covering facility: 1) Without doing 4Q2015 & 1Q2016 portable analyzer tests. 2) No. 1 is also a violation of permit condition No. 8 of section "K".	<u>CLOSED/RESOLVED</u>
GURUAAN LA II, LP	141000	NOV	P64665	11/17/2016	6/1/2016	461	R461(e)(2)(A) _ failure to conduct and successfully pass the reverification test for May 2016.	<u>CLOSED/RESOLVED</u>
GURUAAN LA II, LP	141000	NOV	P70704	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 1913	<u>CLOSED/RESOLVED</u>
GURUAAN LA II, LP	141000	NC	E36913	8/31/2016	8/31/2016	203(B)	PROVIDE COMPLETE DAILY & WEEKLY INSPECTION RECORDS FOR 2016 AND COMPLETE ISD ALARM AND REPAIR LOG. REPLACE VAPOR COLLECTION SLEEVE ON PUMPS # 5 & 7. OBTAIN AND PROVIDE COMPLETE VAPOR RECOVERY TEST RESULTS FOR 2015 & 2016.	<u>CLOSED/RESOLVED</u>
GURUAAN LA II, LP	141000	NC	E36913	8/31/2016	8/31/2016	41960.2	PROVIDE COMPLETE DAILY & WEEKLY INSPECTION RECORDS FOR 2016 AND COMPLETE ISD ALARM AND REPAIR LOG. REPLACE VAPOR COLLECTION SLEEVE ON PUMPS # 5 & 7. OBTAIN AND PROVIDE COMPLETE VAPOR RECOVERY TEST RESULTS FOR 2015 & 2016.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
GURUAAN LA II, LP	141000	NC	E36913	8/31/2016	8/31/2016	461	PROVIDE COMPLETE DAILY & WEEKLY INSPECTION RECORDS FOR 2016 AND COMPLETE ISD ALARM AND REPAIR LOG. REPLACE VAPOR COLLECTION SLEEVE ON PUMPS # 5 & 7. OBTAIN AND PROVIDE COMPLETE VAPOR RECOVERY TEST RESULTS FOR 2015 & 2016.	<u>CLOSED/RESOLVED</u>
GURUAAN LA II, LP	141000	NC	E36913	8/31/2016	8/31/2016	461(C)(2)(B)	PROVIDE COMPLETE DAILY & WEEKLY INSPECTION RECORDS FOR 2016 AND COMPLETE ISD ALARM AND REPAIR LOG. REPLACE VAPOR COLLECTION SLEEVE ON PUMPS # 5 & 7. OBTAIN AND PROVIDE COMPLETE VAPOR RECOVERY TEST RESULTS FOR 2015 & 2016.	<u>CLOSED/RESOLVED</u>
HAPPY CLEANERS	82662	NC	E37199	1/5/2017	1/5/2017	1102	R1102(f) Maintain records for 2016 annual mileage, solvent receipts, and solvent additions.	<u>CLOSED/RESOLVED</u>
HARBOR COGENERATION CO, LLC	156741	NOV	P60578	11/2/2016	3/9/2016	2012(C)(3)(A)	Failed to report device D1 electronically for 3/8/2016 and 5/10/2016 on the following day.	<u>CLOSED/RESOLVED</u>
HARBOR COGENERATION CO, LLC	156741	NC	E27762	1/6/2016	7/1/2014	2004(e)(1)	Submit accurate QCER including non-permitted equipment.	<u>CLOSED/RESOLVED</u>
HARBOR COGENERATION CO, LLC	156741	NC	E27770	10/26/2016	7/1/2016	2012(g)(7)	Report Rule 219 emissions electronically by the end of the reconciliation period.	<u>CLOSED/RESOLVED</u>
HARBOR COGENERATION CO, LLC	156741	NC	E27775	10/10/2017	10/1/2016	2004(e)(1)	1. Use proper emission calculations for the PERP registration equipment. 2. Report QCER accurately.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HARBOR COGENERATION CO, LLC	156741	NC	E27775	10/10/2017	10/1/2016	Rule 219(r)(3)	1. Use proper emission calculations for the PERP registration equipment. 2. Report QCER accurately.	<u>CLOSED/RESOLVED</u>
HARBOR COGENERATION CO, LLC	156741	NC	E39939	10/2/2018	8/9/2018	2004(b)(1)	2004(b)(1): Submit QCER on or before 30 days following the end of the quarter.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P57878	7/26/2016	1/1/2015	1128 (d)(2)	Failure to comply FPO Conditions # A72.1 and C409.1 not having VOC destruction efficiency 95% and failed to keep daily startup time respectively. Failed RAAs on 4/29/15 and 3/15/2016.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P57878	7/26/2016	1/1/2015	2004(F)(1)	Failure to comply FPO Conditions # A72.1 and C409.1 not having VOC destruction efficiency 95% and failed to keep daily startup time respectively. Failed RAAs on 4/29/15 and 3/15/2016.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P57878	7/26/2016	1/1/2015	2012App x. A, Ch. 3 (A)(6)(b)	Failure to comply FPO Conditions # A72.1 and C409.1 not having VOC destruction efficiency 95% and failed to keep daily startup time respectively. Failed RAAs on 4/29/15 and 3/15/2016.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P57878	7/26/2016	1/1/2015	3002(C)(1)	Failure to comply FPO Conditions # A72.1 and C409.1 not having VOC destruction efficiency 95% and failed to keep daily startup time respectively. Failed RAAs on 4/29/15 and 3/15/2016.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P65801	4/6/2017	1/1/2016	2004(b)(1)	1) Failed to reconcile quarterly NOx emissions in the second quarter of compliance year 2016.  2) NOx emissions from the beginning of the 2016 compliance year through the end of the second quarter exceeded the annual NOx emissions allocation in effect at	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P65801	4/6/2017	1/1/2016	2004(D)(1)	1) Failed to reconcile quarterly NOx emissions in the second quarter of compliance year 2016.  2) NOx emissions from the beginning of the 2016 compliance year through the end of the second quarter exceeded the annual NOx emissions allocation in effect at	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66204	12/7/2017	5/1/2016	2004(f)(1)	Failure to submit quarterly electronic reports. Failure to submit the Title V Form for the first half of 2016. Failure to provide annual calibration report for the temperature measuring and recording system monitoring Afterburner C45.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66204	12/7/2017	5/1/2016	2012(e)(2)(B)	Failure to submit quarterly electronic reports. Failure to submit the Title V Form for the first half of 2016. Failure to provide annual calibration report for the temperature measuring and recording system monitoring Afterburner C45.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66204	12/7/2017	5/1/2016	3002(c)(1)	Failure to submit quarterly electronic reports. Failure to submit the Title V Form for the first half of 2016. Failure to provide annual calibration report for the temperature measuring and recording system monitoring Afterburner C45.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66212	7/31/2018	1/1/2017	2004(e) & (b)(4) ; (f)(1)	See report	<u>OPEN/PENDING</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66212	7/31/2018	1/1/2017	2012(e)(2)(B)	See report	<u>OPEN/PENDING</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NOV	P66212	7/31/2018	1/1/2017	3002(c)(1)	See report	<u>OPEN/PENDING</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NC	E31514	7/8/2016	4/29/2015	42303	Provide accurate on a daily basis the percent annual conc. monitor availability of past 365 days on a rolling basis from 4/29/15. Also provide accurate average of hourly CEMS value of previous 12 months, average hourly CEMS of previous month, max hourly	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HENKEL ELECTRONIC MATERIALS, LLC	157359	NC	E31515	7/26/2016	4/29/2015	2012App x. A, Ch. 3 (K)	For Missing Data Procedure (MDP) use properly calculated daily percent concentration availability data to choose MDP options.	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NC	E38802	4/6/2017	5/1/2016	2004(b)(1) & (b)(4)	1) Failure of Facility Permit holder to submit QCERs on or before 30 days following the end of the first and second quarters  2) Failure of Facility Permit holder to submit APEP report in the manner and form specified by the Executive Officer on or before	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NC	E29388	11/17/2017	11/17/2017	2004(F)(1)	See report	<u>CLOSED/RESOLVED</u>
HENKEL ELECTRONIC MATERIALS, LLC	157359	NC	E29388	11/17/2017	11/17/2017	2012	See report	<u>CLOSED/RESOLVED</u>
HERC RENTALS INC	137307	NC	E40226	6/23/2017	6/23/2017	TITLE 13	PERP NC_ Affix green placard and orange sticker onto engine as per CARB requirements, per RULE 2453.	<u>OPEN/PENDING</u>
HERC RENTALS INC	137307	NC	E40028	6/27/2017	6/27/2017	PERP 2458	2458(a) Provide updated model ID on registration that reflects model ID on engine plate. (Reg# 121942)	<u>CLOSED/RESOLVED</u>
HERC RENTALS INC	137307	NC	E44664	7/6/2018	7/6/2018	TITLE13A RTICLE5S (f)	Affix registration sticker to metal placard; Maintain registration certification with equipment at all times	<u>CLOSED/RESOLVED</u>
HOLLANDER SLEEP PRODUCTS, LLC	178385	NC	E40149	9/5/2017	9/5/2017	203(a)	203a apply for permit	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HOME DEPOT CENTER	136321	NC	E34716	2/17/2016	2/17/2016	1470	222 - Register all charbroilers and boilers between 1 - 2 million BTU/hr. ; 1470: Maintain proper generator operating logs	<u>CLOSED/RESOLVED</u>
HOME DEPOT CENTER	136321	NC	E34716	2/17/2016	2/17/2016	222	222 - Register all charbroilers and boilers between 1 - 2 million BTU/hr. ; 1470: Maintain proper generator operating logs	<u>CLOSED/RESOLVED</u>
HORN'S COLLISION CENTER	168192	NC	E34807	2/24/2016	2/24/2016	42303	PROVIDE VOC RECODS FOR PAST 2 YEARS.	<u>CLOSED/RESOLVED</u>
HORN'S COLLISION CENTER	168192	NC	E35106	3/9/2016	3/9/2016	203	INSTALL GAS METER IN SPRAY BOOTH, MAINTAIN DAILY NATURAL GAS USAGE LOG, DON'T EXCEED 10K CF PER DAY	<u>CLOSED/RESOLVED</u>
HUSTLER CASINO	124529	NOV	P64017	7/12/2016	7/12/2016	1146.2(e)	1146.2(e): Failure to demonstrate compliance with Rule 1146.2 emissions limits for Teledyne Laars boilers	<u>CLOSED/RESOLVED</u>
HUSTLER CASINO	124529	NC	E36316	7/12/2016	7/12/2016	1146.2	203b - Maintain proper engine operating logs; 1415 - Register all chillers with > 50lbs refrigerant; 1146.2 - Do not operate non-compliant boilers	<u>CLOSED/RESOLVED</u>
HUSTLER CASINO	124529	NC	E36316	7/12/2016	7/12/2016	1415	203b - Maintain proper engine operating logs; 1415 - Register all chillers with > 50lbs refrigerant; 1146.2 - Do not operate non-compliant boilers	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
HUSTLER CASINO	124529	NC	E36316	7/12/2016	7/12/2016	203b	203b - Maintain proper engine operating logs; 1415 - Register all chillers with > 50lbs refrigerant; 1146.2 - Do not operate non-compliant boilers	<u>CLOSED/RESOLVED</u>
HYDROFORM USA	133930	NC	E39668	10/20/2017	10/20/2017	1415.1	Register the Russell refrigeration equipment with the California Air Resources Board.	<u>OPEN/PENDING</u>
HYDROFORM USA	133930	NC	E27818	3/1/2018	3/1/2018	203(b)	Do not air sparge any tanks in PTO F57508	<u>CLOSED/RESOLVED</u>
I S P WEST	118814	NC	E38350	6/8/2017	6/8/2017	109	Modify p/o f20506 to state correct number of exhaust filters on spray booth or cover 5 exhaust filters on spray booth. Maintain daily VOC records to demonstrate compliance with rule and permit conditions.	<u>CLOSED/RESOLVED</u>
I S P WEST	118814	NC	E38350	6/8/2017	6/8/2017	203	Modify p/o f20506 to state correct number of exhaust filters on spray booth or cover 5 exhaust filters on spray booth. Maintain daily VOC records to demonstrate compliance with rule and permit conditions.	<u>CLOSED/RESOLVED</u>
IKEA-CARSON #162	91821	NC	E34723	2/17/2016	2/17/2016	1415	1415 - Register chillers with greater than 50 lbs. refrigerant with AQMD	<u>CLOSED/RESOLVED</u>
INEOS POLYPROPYLENE LLC	124808	NC	C96344	12/2/2016	12/1/2016	2011(e)(7)	Emission form equipment exempt from permit shall also be reported quarterly to the district central station by the end the quarterly reconciliation period as specified by R2004(b)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
INEOS POLYPROPYLENE LLC	124808	NC	C96344	12/2/2016	12/1/2016	2012	Emission form equipment exempt from permit shall also be reported quarterly to the district central station by the end the quarterly reconciliation period as specified by R2004(b)	<u>CLOSED/RESOLVED</u>
INEOS POLYPROPYLENE LLC	124808	NC	E07166	11/9/2017	10/19/2017	2012	1) REPORT R219 quarterly emissions to waters by designation NRF, NWF as appropriate. 2) accurately calculate R219 emissions as required by R2012	<u>CLOSED/RESOLVED</u>
INEOS POLYPROPYLENE LLC	124808	NC	E43191	10/31/2018	10/30/2017	2004(b)(2) & (b)(4)	Accurately report NOx emissions on QCER(s) and APEP	<u>CLOSED/RESOLVED</u>
INEOS POLYPROPYLENE LLC	124808	NC	E43191	10/31/2018	10/30/2017	2012(d)(2)(B)	Accurately report NOx emissions on QCER(s) and APEP	<u>CLOSED/RESOLVED</u>
INFRATECH	181920	NC	E34724	3/23/2016	3/23/2016	203(A)	203(a): Obtain valid permit to operate for laser cutting equipment > 400 watts	<u>CLOSED/RESOLVED</u>
IPS CORPORATION	800367	NOV	P50741	9/14/2017	3/1/2017	3002	Failure to submit Semi Annual Monitoring report and Certified Annual report for the year 2016.	<u>CLOSED/RESOLVED</u>
IPS CORPORATION	800367	NC	E07588	10/26/2018	3/2/2018	3002	Submit certified Annual report for the year 2017.	<u>CLOSED/RESOLVED</u>
IRON MOUNTAIN	170917	NC	E40235	8/10/2017	8/10/2017	203(A)	Rule 203(a): Operating without a permit to operate. Submit application for permit.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
J&P TRUCK BODY SHOP	167708	NC	E35875	5/17/2016	5/17/2016	203	PROVIDE AND MAINTAIN VOC RECORDS, REPAIR OR REPLACE MONOMETER, MODIFY PERMIT TO REFLECT CORRECT NUMBER OF EXHAUST FILTERS ON SPRAY BOOTH	<u>CLOSED/RESOLVED</u>
J. B. I. INC	24647	NOV	P64014	5/18/2016	3/6/2016	3002(c)(1)	3002(c)(1): Facility failed to comply with conditions of Title V permit; 3003(a)(6): Facility failed to submit a timely Title V Permit renewal application, at least 180 days prior to date of present Title V Permit expiration	<u>CLOSED/RESOLVED</u>
J. B. I. INC	24647	NOV	P64014	5/18/2016	3/6/2016	3003(a)(6)	3002(c)(1): Facility failed to comply with conditions of Title V permit; 3003(a)(6): Facility failed to submit a timely Title V Permit renewal application, at least 180 days prior to date of present Title V Permit expiration	<u>CLOSED/RESOLVED</u>
J.B.I. INC	9406	NC	E34802	2/12/2016	2/12/2016	42303	PROVIDE USAGE RECORDS FOR SPRAY BOOTH	<u>CLOSED/RESOLVED</u>
JB STATION, INC	169219	NC	E32436	8/25/2016	8/25/2016	41960.2	REPLACE HOSE #1, - WIRE BRAID EXPOSED. PROVIDE VAPOR RECOVERY TEST RESULTS FOR SEPTEMBER 2015. ENSURE MAINTENANCE IS PROPERLY DOCUMENTED FOR SERVICING ISD ALARMS.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
JB STATION, INC	169219	NC	E32436	8/25/2016	8/25/2016	461	REPLACE HOSE #1, - WIRE BRAID EXPOSED. PROVIDE VAPOR RECOVERY TEST RESULTS FOR SEPTEMBER 2015. ENSURE MAINTENANCE IS PROPERLY DOCUMENTED FOR SERVICING ISD ALARMS.	<u>CLOSED/RESOLVED</u>
JL FURNISHINGS LLC	174172	NC	E40777	9/6/2017	9/6/2017	203(B)	Provide record keeping for VOC emission and daily usage. fix manometer with permit # G26976; G26977; G26978; G26980	<u>CLOSED/RESOLVED</u>
JL FURNISHINGS LLC	174172	NC	E40777	9/6/2017	9/6/2017	42303	Provide record keeping for VOC emission and daily usage. fix manometer with permit # G26976; G26977; G26978; G26980	<u>CLOSED/RESOLVED</u>
JOHNSON LAMINATING & COATING INC	14492	NOV	P50742	9/27/2017	4/2/2017	3002	Failure to conduct source test of Regenerative Thermal Oxidizer by date specified on permit.	<u>OPEN/PENDING</u>
JUANITA'S FOODS	78137	NOV	P64022	2/10/2017	3/5/2013	1146(d)(6)(A); (d)(8)	1146(d)(6)(A): Failure to source test every 3 years; 1146(d)(8): Failure to conduct portable analyzer testing/periodic monitoring of NOx monthly then quarterly; 203b, Condition 10: Failure to conduct source test within 180 days of receiving the permit.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
JUANITA'S FOODS	78137	NOV	P64022	2/10/2017	3/5/2013	203(b)	1146(d)(6)(A): Failure to source test every 3 years; 1146(d)(8) : Failure to conduct portable analyzer testing/periodic monitoring of NOx monthly then quarterly; 203b, Condition 10: Failure to conduct source test within 180 days of receiving the permit.	<u>OPEN/PENDING</u>
JUANITA'S FOODS	78137	NC	E27930	1/19/2016	1/19/2016	1415.1	1) REGISTER THE TWO (2) REFRIGERATION SYSTEMS WITH THE CALIFORNIA AIR RESOURCES BOARD	<u>CLOSED/RESOLVED</u>
K J LEE'S AUTOMOTIVE	147769	NC	E44627	8/8/2018	8/8/2018	109	Have functional manometer working within permit limits. Keep/Maintain daily paint usage/VOC records. Use compliant cleaner.	<u>CLOSED/RESOLVED</u>
K J LEE'S AUTOMOTIVE	147769	NC	E44627	8/8/2018	8/8/2018	1171	Have functional manometer working within permit limits. Keep/Maintain daily paint usage/VOC records. Use compliant cleaner.	<u>CLOSED/RESOLVED</u>
K J LEE'S AUTOMOTIVE	147769	NC	E44627	8/8/2018	8/8/2018	203(B)	Have functional manometer working within permit limits. Keep/Maintain daily paint usage/VOC records. Use compliant cleaner.	<u>CLOSED/RESOLVED</u>
KAM'S AUTOMOTIVE INC	146857	NOV	P64012	3/15/2016	3/15/2016	201	201: Constructing or installing a gasoline storage tank without first obtaining a permit to construct; 203(a): Operating a gasoline dispensing unit without a permit to operate	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
KAM'S AUTOMOTIVE INC	146857	NOV	P64012	3/15/2016	3/15/2016	203(A)	201: Constructing or installing a gasoline storage tank without first obtaining a permit to construct; 203(a): Operating a gasoline dispensing unit without a permit to operate	<u>CLOSED/RESOLVED</u>
KAZI ASSOCIATES, INC.	175427	NOV	P72644	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 6265	<u>OPEN/PENDING</u>
KAZI ASSOCIATES, INC.	175427	NC	E32437	8/25/2016	8/25/2016	41960.2	REPLACE HOSES #6 AND #8. WIRE BRAID EXPOSED	<u>CLOSED/RESOLVED</u>
KINDER MORGAN LIQUIDS TERMINALS, LLC	800057	NOV	P60285	10/10/2017	12/29/2016	3002(C)(1)	Failure to comply with P/O G6038 tank throughput limit of 241,667 bbls/month in December 2016.	<u>OPEN/PENDING</u>
LA USD GARDENA BUS GARAGE	74863	NOV	P71526	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2433	<u>OPEN/PENDING</u>
LA CITY, DWP HARBOR GENERATING STATION	800170	NOV	P62072	7/19/2016	4/13/2015	2004(e)(1)	In 2015 CY: Failed to submit accurate 3rd quarter QCER, electronic report of Major sources for 4/12/15, electronic report of R219 sources in 3rd quarter.	<u>CLOSED/RESOLVED</u>
LA CITY, DWP HARBOR GENERATING STATION	800170	NOV	P62072	7/19/2016	4/13/2015	2012(c)(3)(A), (g)(7)	In 2015 CY: Failed to submit accurate 3rd quarter QCER, electronic report of Major sources for 4/12/15, electronic report of R219 sources in 3rd quarter.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LA CITY, DWP HARBOR GENERATING STATION	800170	NOV	P66102	10/25/2017	5/1/2016	2004(b)(4)	Failed to submit electronic reports for Process Units, R219, and equipment without a permit emissions. Failed to submit accurate APEP report.	<u>CLOSED/RESOLVED</u>
LA CITY, DWP HARBOR GENERATING STATION	800170	NOV	P66102	10/25/2017	5/1/2016	2012(e)(2)(B), (g)(7), APP. A, Ch7-D	Failed to submit electronic reports for Process Units, R219, and equipment without a permit emissions. Failed to submit accurate APEP report.	<u>CLOSED/RESOLVED</u>
LA CITY, HARBOR DEPT	61962	NC	E29385	10/17/2017	4/6/2017	2004(F)(1)	Improve monitoring of Process Unit D118 to obtain corrected gas volumes for purposes of accurate RECLAIM reporting and demonstrating compliance with the 400,000 cubic feet of natural gas per month limit of Condition C1.23	<u>CLOSED/RESOLVED</u>
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	NOV	P66478	12/19/2018	7/15/2017	1146(c)(1)(J)	see report	<u>OPEN/PENDING</u>
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	NOV	P66478	12/19/2018	7/15/2017	3002(c)(1)	see report	<u>OPEN/PENDING</u>
LA CITY, TERMINAL ISLAND TREATMENT PLANT	10245	NC	E35723	3/16/2017	3/16/2017	3002(c)(1)	TIMELY SUBMIT 500_ACC REPORT BY MARCH 1. TIMELY SUBMIT 500_SAM REPORT BY FEBRUARY 28.	<u>CLOSED/RESOLVED</u>
LA CO. SANITATION DIST	800236	NOV	P66470	10/17/2018	7/10/2018	1146.1(d)(6)	see report	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LA CO. SANITATION DIST	800236	NOV	P66470	10/17/2018	7/10/2018	3002(c)(1) )	see report	<u>OPEN/PENDING</u>
LEKOS DYE AND FINISHING, INC	141295	NOV	P57883	3/27/2018	7/1/2016	2004(f)(1) )	Lacked sufficient NOx RTCs at the commencement of Compliance Year 2016 & 2017 (Cycle 2, Starts July 1 each year) to comply with permit conditions, I298.1 & I298.2 and I298.1, I298.2, and I298.3 at the commencements of CY 2016 & 2017 respectively.	<u>OPEN/PENDING</u>
LEKOS DYE AND FINISHING, INC	141295	NOV	P57883	3/27/2018	7/1/2016	2005(f)(1) )	Lacked sufficient NOx RTCs at the commencement of Compliance Year 2016 & 2017 (Cycle 2, Starts July 1 each year) to comply with permit conditions, I298.1 & I298.2 and I298.1, I298.2, and I298.3 at the commencements of CY 2016 & 2017 respectively.	<u>OPEN/PENDING</u>
LEKOS DYE AND FINISHING, INC	141295	NC	E25185	1/14/2016	7/15/2015	2012(J)(2) )	conduct source test for process unit D8 on time	<u>CLOSED/RESOLVED</u>
LEKOS DYE AND FINISHING, INC	141295	NC	E39371	12/5/2017	9/1/2016	(e)(2)(C) and Appendix A, Chapter 4, Section A-7	Failure to use correct emission factor for process unit D19 during the 3rd QTR Failure to convert fuel usage to standard conditions for process unit D19 during the 2nd QTR	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LEKOS DYE AND FINISHING, INC	141295	NC	E44155	12/6/2018	12/6/2018	2004(e), 2004(b)4 )	To submit QCER'S with accurate emissions for 1st, 2nd, 3rd qtr. of compliance year, to submit APEP with accurate emissions, to conduct tune-up of all equipment according to Appendix Table 5_B	<u>CLOSED/RESOLVED</u>
LEKOS DYE AND FINISHING, INC	141295	NC	E44155	12/6/2018	12/6/2018	2012, Appx A, Ch5, Sec C	To submit QCER'S with accurate emissions for 1st, 2nd, 3rd qtr. of compliance year, to submit APEP with accurate emissions, to conduct tune-up of all equipment according to Appendix Table 5_B	<u>CLOSED/RESOLVED</u>
LEVEL 3 COMMUNICATION S, LLC	182105	NC	E40754	10/10/2017	10/10/2017	203	Apply for model number correction and maintain operation logs for ICE	<u>CLOSED/RESOLVED</u>
LONG BEACH CITY UNIFIED SCHOOL DISTRICT	88113	NC	E42407	12/28/2017	12/28/2017	PERP 2460	Failure to contact district within 45 days.	<u>CLOSED/RESOLVED</u>
LONG BEACH CITY UNIFIED SCHOOL DISTRICT	88113	NC	E44846	7/13/2018	7/13/2018	109	Keep/Maintain paint usage/VOC records.	<u>CLOSED/RESOLVED</u>
LONG BEACH CITY, SERRF PROJECT	44577	NOV	P66479	12/19/2018	1/24/2018	3002(c)(1 )	see report	<u>OPEN/PENDING</u>
LONG BEACH CITY, SHORELINE MARINE FUELS	134591	NOV	P71282	12/1/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217313990	<u>CLOSED/RESOLVED</u>
LONG BEACH COLLISION CENTER CORP.	153914	NC	E37046	8/23/2016	8/23/2016	109	maintain VOC records and calculate VOC emissions in pounds per month	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LONG BEACH CONTAINER TERMINAL INC	52015	NOV	P71482	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2006	<u>OPEN/PENDING</u>
LONG BEACH GENERATION, LLC	115314	NOV	P57095	11/16/2016	6/19/2016	2004(b)( 4) , 2004(e)	Failure to apply the correct BAF after the completion of a RATA to the end of the period until the next RATA. Inaccurate Quarter 4 QCER (certification) Inaccurate APEP for CY 2015	<u>CLOSED/RESOLVED</u>
LONG BEACH GENERATION, LLC	115314	NOV	P57095	11/16/2016	6/19/2016	Rule 2012A, Attachm ent B.5.b.	Failure to apply the correct BAF after the completion of a RATA to the end of the period until the next RATA. Inaccurate Quarter 4 QCER (certification) Inaccurate APEP for CY 2015	<u>CLOSED/RESOLVED</u>
LONG BEACH MEMORIAL MEDICAL CENTER	14213	NC	E36457	7/8/2016	7/8/2016	42303	provide proof of rule 1415 registrations	<u>CLOSED/RESOLVED</u>
LONG BEACH MEMORIAL MEDICAL CENTER	155360	NC	E37736	11/2/2016	11/2/2016	1415	SUBMIT RULE 1415 PLAN NOTIFICATIONS FOR AC UNITS CONTAINING OVER 50 POUNDS OF REFRIGERANT AND MAINTAIN COMPLETE ENGINE OPERATION LOG THAT INCLUDES REASON FOR OPERATION	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LONG BEACH MEMORIAL MEDICAL CENTER	155360	NC	E37736	11/2/2016	11/2/2016	203	SUBMIT RULE 1415 PLAN NOTOFICATIONS FOR AC UNITS CONTAINING OVER 50 POUNDS OF REFRIGERANT AND MAINTAIN COMPLETE ENGINE OPERATION LOG THAT INCLUDES REASON FOR OPERATION	<u>CLOSED/RESOLVED</u>
LONG BEACH POLICE NORTH STATION	140298	NOV	P70969	12/1/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217316038	<u>CLOSED/RESOLVED</u>
LONG BEACH POLICE, WEST STATION	112655	NOV	P64222	1/13/2017	3/2/2015	461	Failure to submit monthly gasoline throughput data by march 1 each year.	<u>CLOSED/RESOLVED</u>
LONG BEACH SENIOR ARTIST COLONY, LP	171900	NC	E37707	8/26/2016	8/26/2016	203	post copy of permit within 8 meters of equipment; modify engine operation log to include hour meter reading and reason for operation; submit rule 222 registration for boilers rated over 1 million btu per hour	<u>CLOSED/RESOLVED</u>
LONG BEACH SENIOR ARTIST COLONY, LP	171900	NC	E37707	8/26/2016	8/26/2016	206	post copy of permit within 8 meters of equipment; modify engine operation log to include hour meter reading and reason for operation; submit rule 222 registration for boilers rated over 1 million btu per hour	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LONG BEACH SENIOR ARTIST COLONY, LP	171900	NC	E37707	8/26/2016	8/26/2016	222	post copy of permit within 8 meters of equipment; modify engine operation log to include hour meter reading and reason for operation; submit rule 222 registration for boilers rated over 1 million btu per hour	<u>CLOSED/RESOLVED</u>
LONG BEACH SENIOR CITIZEN HOUSING CORP.	155269	NC	E37048	8/23/2016	8/23/2016	206	post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
LONG BEACH UNISCH DIST;POLYTECHNIC HIGH	71075	NC	E35427	4/15/2016	4/15/2016	1415	REGISTER BOILERS RATED OVER 1MM BTU, SUBMIT RULE 1415 PLAN NOTIFICATIONS, AND PAY BACK FEES.	<u>CLOSED/RESOLVED</u>
LONG BEACH UNISCH DIST;POLYTECHNIC HIGH	71075	NC	E35427	4/15/2016	4/15/2016	203	REGISTER BOILERS RATED OVER 1MM BTU, SUBMIT RULE 1415 PLAN NOTIFICATIONS, AND PAY BACK FEES.	<u>CLOSED/RESOLVED</u>
LONG BEACH UNISCH DIST;POLYTECHNIC HIGH	71075	NC	E35427	4/15/2016	4/15/2016	222	REGISTER BOILERS RATED OVER 1MM BTU, SUBMIT RULE 1415 PLAN NOTIFICATIONS, AND PAY BACK FEES.	<u>CLOSED/RESOLVED</u>
LONG BEACH UNIFIED SCHOOL DISTRICT	113950	NC	E44842	7/13/2018	7/13/2018	1415	All A/C units over 50 lbs. /circuit must be registered every 2 years.	<u>CLOSED/RESOLVED</u>
LONG BEACH UNIFIED SCHOOL DISTRICT_MAINT	140187	NC	E44844	7/13/2018	7/13/2018	1415	All A/C units over 50 lbs. /circuit must be registered every 2 years.	<u>CLOSED/RESOLVED</u>
LOS ANGELES HARBOR GRAIN TERMINAL	56223	NC	E35424	4/5/2016	4/5/2016	203	REPAIR OR REPLACE PRESSURE GAGUES ON BAGHOUSES.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
LOYALTY COLLISION	185024	NC	E40778	9/13/2017	9/13/2017	1171	1171 shall not use H.E.T. or other cleaner solvents with VOC >25g/L. 42303 provide MSDS and VOC record keeping	<u>CLOSED/RESOLVED</u>
LOYALTY COLLISION	185024	NC	E40778	9/13/2017	9/13/2017	42303	1171 shall not use H.E.T. or other cleaner solvents with VOC >25g/L. 42303 provide MSDS and VOC record keeping	<u>CLOSED/RESOLVED</u>
LSC COMMUNICATION S, LA MFG DIV	185101	NC	E40831	10/26/2018	7/1/2017	2012App. A, Chap 5-C	1) Perform tune-ups of Process Units; 2) Submit 222 registrations for process water cooling towers.	<u>CLOSED/RESOLVED</u>
LSC COMMUNICATION S, LA MFG DIV	185101	NC	E40831	10/26/2018	7/1/2017	222	1) Perform tune-ups of Process Units; 2) Submit 222 registrations for process water cooling towers.	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NOV	P64657	6/30/2016	6/30/2016	41960.2	FAILURE TO OPERATE & MAINTAIN THE VAPOR RECOVERY SYSTEM & ASSOCIATED COMPONENTS IN A MANNER IN ACCORDANCE WITH MANUFACTURER'S SPECS. & CARB CERTIFICATION. FAILURE TO OPERATE & MAINTAIN SAID EQUIPMENT WITH NO MAJOR DEFECT. FAILURE TO MAINTAIN ALL	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
MAX CENTRAL CARSON, INC	171242	NOV	P64657	6/30/2016	6/30/2016	461(C)	FAILURE TO OPERATE & MAINTAIN THE VAPOR RECOVERY SYSTEM & ASSOCIATED COMPONENTS IN A MANNER IN ACCORDANCE WITH MANUFACTURER'S SPECS. & CARB CERTIFICATION. FAILURE TO OPERATE & MAINTAIN SAID EQUIPMENT WITH NO MAJOR DEFECT. FAILURE TO MAINTAIN ALL	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NOV	P64657	6/30/2016	6/30/2016	461(C)(2) (B)	FAILURE TO OPERATE & MAINTAIN THE VAPOR RECOVERY SYSTEM & ASSOCIATED COMPONENTS IN A MANNER IN ACCORDANCE WITH MANUFACTURER'S SPECS. & CARB CERTIFICATION. FAILURE TO OPERATE & MAINTAIN SAID EQUIPMENT WITH NO MAJOR DEFECT. FAILURE TO MAINTAIN ALL	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NOV	P70900	11/29/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9593	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NC	E35789	6/30/2016	6/30/2016	203(B)	PROVIDE DAILY AND WEEKLY INSPECTION RECORDS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID.	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NC	E35789	6/30/2016	6/30/2016	461(C)(1) (A)	PROVIDE DAILY AND WEEKLY INSPECTION RECORDS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
MAX CENTRAL CARSON, INC	171242	NC	E35789	6/30/2016	6/30/2016	461(C)(2)(B)	PROVIDE DAILY AND WEEKLY INSPECTION RECORDS. MAINTAIN SPILL CONTAINERS FREE OF LIQUID.	<u>CLOSED/RESOLVED</u>
MAX CENTRAL CARSON, INC	171242	NC	E42317	3/14/2018	3/14/2018	41960.2(e)	Repair or replace Nozzle # 3 due to sticky interlock	<u>CLOSED/RESOLVED</u>
MAXUM PETROLEUM	178698	NC	E07710	8/31/2017	8/31/2017	1142	Provide records in an electronic format of all loading, lightering, ballasting and housekeeping events (including emergency venting) conducted in district waters from January 1, 2017 to August 30, 2017.	<u>CLOSED/RESOLVED</u>
METROPOLITAN STEVEDORE COMPANY	8073	NOV	P65101	11/25/2016	11/18/2016	1155	Visible dust emissions of Sodium Sulfate while loading ship	<u>CLOSED/RESOLVED</u>
METROPOLITAN STEVEDORE COMPANY	8073	NOV	P65101	11/25/2016	11/18/2016	203(B), Permit F54534 Condition 1, Application 126157 Condition 5	Visible dust emissions of Sodium Sulfate while loading ship	<u>CLOSED/RESOLVED</u>
MQ POWER _ BUILDING B	129410	NC	E41955	11/29/2017	11/29/2017	PERP 2460 (b)(1)	Submit an inspection request form to the home district within 45 days of PERP registration/renewal issuance	<u>CLOSED/RESOLVED</u>
MULCAHY ENTERPRISES, INC.	26098	NOV	P65720	7/18/2017	2/1/2017	461(e)(2)(A)(i)	Failure to conduct vapor recovery test semiannually (test due January 2017, tested 7/17/17)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
MULCAHY ENTERPRISES, INC.	26098	NOV	P71812	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 0190 0000 6374 8322	<u>OPEN/PENDING</u>
MULCAHY ENTERPRISES, INC.	26098	NC	E40483	7/18/2017	7/18/2017	203(A)	replace hose #8 (wire braid exposed); place rule 461 attachment A stickers on all dispensers; ensure all ISD alarms and associated maintenance is properly documented; change AQMD permit to operate N21009 to show correct tank capacity for each tank	<u>CLOSED/RESOLVED</u>
MULCAHY ENTERPRISES, INC.	26098	NC	E40483	7/18/2017	7/18/2017	41960.2(e)	replace hose #8 (wire braid exposed); place rule 461 attachment A stickers on all dispensers; ensure all ISD alarms and associated maintenance is properly documented; change AQMD permit to operate N21009 to show correct tank capacity for each tank	<u>CLOSED/RESOLVED</u>
MULCAHY ENTERPRISES, INC.	26098	NC	E40483	7/18/2017	7/18/2017	461(c)(3)(G), (e)(6)(C)	replace hose #8 (wire braid exposed); place rule 461 attachment A stickers on all dispensers; ensure all ISD alarms and associated maintenance is properly documented; change AQMD permit to operate N21009 to show correct tank capacity for each tank	<u>CLOSED/RESOLVED</u>
MURRAY COMPANY	171749	NC	E40248	9/5/2017	9/5/2017	42303	H&S 42303: provide linear steel and stainless steel cutting records for past 12 months.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
NALCO COMPANY	139668	NC	E35423	3/24/2016	3/24/2016	42303	PROVIDE PORTABLE ANALYZER TESTS FOR BOILER, DAILY THROUGHPUT AND MONTHLY TURNOVER RECORDS, CURRENT 1415 NOTIFICATIONS, VEE LOGS FOR SCRUBBERS, AND GAS BILLS.	<u>CLOSED/RESOLVED</u>
NEILL AIRCRAFT CO	51232	NOV	P64211	5/19/2016	2/1/2015	203	exceeded VOC emissions limit	<u>CLOSED/RESOLVED</u>
NEILL AIRCRAFT CO	51232	NC	E35115	4/28/2016	4/28/2016	42303	PROVIDE VOC RECORDS TO DEMONSTRATE COMPLIANCE WITH PERMIT CONDITIONS	<u>CLOSED/RESOLVED</u>
NEW NGC, INC.	12428	NOV	P66902	11/29/2017	1/26/2017	2012(f)(2)(A)	1) Failure to comply with Large Source NOx concentration limit as determined by a Source Test; and 2) Failure to conduct daily calibration of NOx Major Source CEMS during a unit operating day.	<u>OPEN/PENDING</u>
NEW NGC, INC.	12428	NOV	P66902	11/29/2017	1/26/2017	2012APP EN A, Att. C (B)(1)	1) Failure to comply with Large Source NOx concentration limit as determined by a Source Test; and 2) Failure to conduct daily calibration of NOx Major Source CEMS during a unit operating day.	<u>OPEN/PENDING</u>
NEW NGC, INC.	12428	NOV	P66856	11/6/2018	7/9/2017	2012APP EN A Att. C (B)(1)	Failure to 1) maintain and operate a strip chart recorder according to CEMS certification [Rule 2012, Appx. A Chap.2 (a)(1)(g)]; 2) conduct daily CEMS calibration during unit operating day [Rule 2012Appx. A, Att. C(B)(1)]	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
NEW NGC, INC.	12428	NOV	P66856	11/6/2018	7/9/2017	2012APP EN A, CH (A)(1)(g)	Failure to 1) maintain and operate a strip chart recorder according to CEMS certification [Rule 2012, Appx. A Chap.2 (a)(1)(g)]; 2) conduct daily CEMS calibration during unit operating day [Rule 2012Appx. A, Att. C(B)(1)]	<u>OPEN/PENDING</u>
NEW NGC, INC.	12428	NC	E30134	1/12/2017	8/26/2016	2012app A, Ch. 3, I Large	Use correct MDP for Large Source greater than 2 months MDP period. (Uncontrolled EF instead of permitted EF).	<u>CLOSED/RESOLVED</u>
NEW NGC, INC.	12428	NC	E40310	3/29/2018	12/25/2017	1155(e)( 1)	Recordkeeping for Weekly VEE on each baghouse shall be maintained	<u>CLOSED/RESOLVED</u>
NEXEO SOLUTIONS, LLC	167091	NC	E35421	3/24/2016	3/24/2016	42303	PROVIDE CHEMICAL MONTHLY THROUGHPUT FOR PERMIT G29736 AND G29735	<u>CLOSED/RESOLVED</u>
NICKELL METAL SPRAY INC	146049	NC	E35870	5/27/2016	5/27/2016	109	INSTALL PRESSURE GAGUE FOR HEPA FILTERS AND CARTRIGE FILTERS ON SPRAY BOOTH. MAINTAIN USAGE RECORDS FOR SPRAY BOOTH.	<u>CLOSED/RESOLVED</u>
NICKELL METAL SPRAY INC	146049	NC	E35870	5/27/2016	5/27/2016	203	INSTALL PRESSURE GAGUE FOR HEPA FILTERS AND CARTRIGE FILTERS ON SPRAY BOOTH. MAINTAIN USAGE RECORDS FOR SPRAY BOOTH.	<u>CLOSED/RESOLVED</u>
NICKELL METAL SPRAY INC	146049	NC	E35871	5/27/2016	5/27/2016	42303	PROVIDE LIST OF MATERIALS AND COATINGS APPLIED IN SPRAY BOOTH AND THROUGHOUT REORDS FOR PAST 2 YEARS	<u>CLOSED/RESOLVED</u>
NOIL USA INC, COWLES	188581	NOV	P67684	11/13/2018	10/31/2018	203(A)	Operating a gasoline storage and dispensing facility without a valid SCAQMD Permit	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
NOIL USA INC, COWLES	188581	NC	E45446	10/16/2018	10/16/2018	203(A)	Submit change of ownership form	<u>CLOSED/RESOLVED</u>
NORTHSTAR CABINET CONSTRUCTION, INC	180645	NC	E36320	8/3/2016	8/3/2016	203a	203(a): Do not operate Cefla PSB without a valid permit to operate	<u>CLOSED/RESOLVED</u>
NUMBER ONE AUTO CENTER, JOSE MAGDALENO	162466	NC	E38333	1/3/2017	1/3/2017	109	maintain natural gas usage log; provide and maintain VOC records; and post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
NUMBER ONE AUTO CENTER, JOSE MAGDALENO	162466	NC	E38333	1/3/2017	1/3/2017	203	maintain natural gas usage log; provide and maintain VOC records; and post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
NUMBER ONE AUTO CENTER, JOSE MAGDALENO	162466	NC	E38333	1/3/2017	1/3/2017	206	maintain natural gas usage log; provide and maintain VOC records; and post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
OASIS FUELS/FIONA C ROCHE-LUCE	142115	NOV	P72140	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 4830	<u>OPEN/PENDING</u>
OASIS FUELS/FIONA C ROCHE-LUCE	142115	NC	E46342	12/19/2018	12/19/2018	461(c)(1) (A)(v); (c)(2)(B); (e)(6)(B); (e)(6)(C); (e)(6)(D); (d)(1)(A),	Maintain spill buckets clear of liquid and debris. Replace torn boot on pump #1. Provide VST weekly inspections. Provide current repair logs. Provide records of vapor recovery testing in 2017. Provide current monthly gasoline throughput records.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
OMNINET FREEWAY, LP	171923	NC	E35100	2/26/2016	2/26/2016	1415	SUBMIT RULE 1415 PLAN NOTIFICATIONS FOR AC UNITS	<u>CLOSED/RESOLVED</u>
OMNINET PACIFIC POINTE, LP	181665	NC	E40239	8/15/2017	8/15/2017	203(A)	Rule 206: post permit to operate, Rule 222: submit registration application for 2 boilers, Rule 203(a) Apply for correction on permit	<u>CLOSED/RESOLVED</u>
OMNINET PACIFIC POINTE, LP	181665	NC	E40239	8/15/2017	8/15/2017	206	Rule 206: post permit to operate, Rule 222: submit registration application for 2 boilers, Rule 203(a) Apply for correction on permit	<u>CLOSED/RESOLVED</u>
OMNINET PACIFIC POINTE, LP	181665	NC	E40239	8/15/2017	8/15/2017	222	Rule 206: post permit to operate, Rule 222: submit registration application for 2 boilers, Rule 203(a) Apply for correction on permit	<u>CLOSED/RESOLVED</u>
PACIFIC CONTINENTAL TEXTILES, INC.	59618	NOV	P66915	12/11/2018	1/1/2018	2004(b)(1) & (d)(1)	Failed to reconcile quarterly NOx emissions in the 3rd qtr. of CY2018. NOx emissions from the beginning of CY2018 through the end of the 3rd qtr. exceeded the annual NOx emission allocation in effect at the end of the reconciliation period for that qtr.	<u>OPEN/PENDING</u>
PACIFIC CONTINENTAL TEXTILES, INC.	59618	NC	E29381	9/20/2017	1/1/2016	2012APP EN A	Ensure retention of records necessary to demonstrate compliance with RECLAIM tune-up requirements.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PACIFIC CONTINENTAL TEXTILES, INC.	59618	NC	E40828	5/24/2018	1/1/2017	2004(b)(1); (e); (b)(4)	Conduct NOx source tests of Large Source boilers on time; submit QCERs on time; submit accurate QCERs; submit accurate APEP; submit electronic reports for R219 equipment by fuel type (NRF code)	<u>CLOSED/RESOLVED</u>
PACIFIC CONTINENTAL TEXTILES, INC.	59618	NC	E40828	5/24/2018	1/1/2017	2012(j)(2)	Conduct NOx source tests of Large Source boilers on time; submit QCERs on time; submit accurate QCERs; submit accurate APEP; submit electronic reports for R219 equipment by fuel type (NRF code)	<u>CLOSED/RESOLVED</u>
PACIFIC CONTINENTAL TEXTILES, INC.	59618	NC	E40828	5/24/2018	1/1/2017	2012APP EN A Chap. 7-D(2)	Conduct NOx source tests of Large Source boilers on time; submit QCERs on time; submit accurate QCERs; submit accurate APEP; submit electronic reports for R219 equipment by fuel type (NRF code)	<u>CLOSED/RESOLVED</u>
PACIFIC CRANE MAINTENANCE COMPANY, LLC	181447	NC	E41194	12/19/2017	12/19/2017	PERP 2460	Failure to contact district within 45 days.	<u>CLOSED/RESOLVED</u>
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	NC	E45061	8/7/2018	8/7/2018	109	Keep and provide VOC records, fix manometer, use VOC compliant reducer and cleaner solvent	<u>CLOSED/RESOLVED</u>
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	NC	E45061	8/7/2018	8/7/2018	1151	Keep and provide VOC records, fix manometer, use VOC compliant reducer and cleaner solvent	<u>CLOSED/RESOLVED</u>
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	NC	E45061	8/7/2018	8/7/2018	1171	Keep and provide VOC records, fix manometer, use VOC compliant reducer and cleaner solvent	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PACIFIC GATEWAY GENERAL TRUCK & AUTO	79760	NC	E45061	8/7/2018	8/7/2018	203(B)	Keep and provide VOC records, fix manometer, use VOC compliant reducer and cleaner solvent	<u>CLOSED/RESOLVED</u>
PALO WOODS COURTESY CLEANERS,E MENDOZA E	14690	NC	E07945	5/12/2016	5/12/2016	1102	Maintain complete operating records for dry-cleaning machine.	<u>CLOSED/RESOLVED</u>
PARAMOUNT FORGE INC	13101	NOV	P71339	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0576	<u>OPEN/PENDING</u>
PCH PACIFIC /MOBIL, SHANARI CORP	179110	NOV	P70678	11/29/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1647	<u>CLOSED/RESOLVED</u>
PCH PACIFIC /MOBIL, SHANARI CORP	179110	NC	E32446	11/9/2016	11/9/2016	206	Post AQMD Permit to Operate. Provide periodic compliance inspection for 2015 and 2016. Keep ISD Alarm Log updated and current, write down all ISD alarms, document any maintenance performed	<u>CLOSED/RESOLVED</u>
PCH PACIFIC /MOBIL, SHANARI CORP	179110	NC	E32446	11/9/2016	11/9/2016	461(d)(1) (b), (e)(6)(B)	Post AQMD Permit to Operate. Provide periodic compliance inspection for 2015 and 2016. Keep ISD Alarm Log updated and current, write down all ISD alarms, document any maintenance performed	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PCH PACIFIC /MOBIL, SHANARI CORP	179110	NC	E38736	5/23/2017	5/23/2017	41960.2(e)	Replace hose #6 (wire braid exposed); Provide maintenance log & ISD Alarm log; Provide monthly gasoline throughput for 2016 and 2017	<u>CLOSED/RESOLVED</u>
PCH PACIFIC /MOBIL, SHANARI CORP	179110	NC	E38736	5/23/2017	5/23/2017	461(e)(6)(B), (e)(6)(D)	Replace hose #6 (wire braid exposed); Provide maintenance log & ISD Alarm log; Provide monthly gasoline throughput for 2016 and 2017	<u>CLOSED/RESOLVED</u>
PELICAN ENDEAVORS, INC	184250	NC	E40499	9/13/2017	9/13/2017	461(c)(2)(B), (e)(6)(B), (e)(6)(D), (c)(3)(G)	Ensure Veeder_Root has a free, working RS_232 port (free port currently does not show in printout); Provide monthly gasoline throughput for 2017; Provide ISD alarm log and maintenance log for 2017; Place Rule 461 Attachment A stickers on all fueling point	<u>CLOSED/RESOLVED</u>
PENSKE TRUCK LEASING CO., L.P.	8311	NOV	P71219	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70150640000471798393	<u>OPEN/PENDING</u>
PENSKE TRUCK LEASING CO., L.P.	8311	NOV	P71317	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0361	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PETRO DIAMOND TERMINAL CO	800079	NOV	P61521	10/19/2016	9/8/2016	1176(E)(1)	Rule 463(d)(1)(F) Inspection found fac. vapor leak of 20,000 ppm VOC from loading arm 4_2 ; Rule 1176(e)(1) Emissions greater than 50,000 ppm VOC found from wastewater system	<u>CLOSED/RESOLVED</u>
PETRO DIAMOND TERMINAL CO	800079	NOV	P61521	10/19/2016	9/8/2016	462(D)(1)(F)	Rule 463(d)(1)(F) Inspection found fac. vapor leak of 20,000 ppm VOC from loading arm 4_2 ; Rule 1176(e)(1) Emissions greater than 50,000 ppm VOC found from wastewater system	<u>CLOSED/RESOLVED</u>
PETROLEUM MANAGEMENT & MARKETING INC	150812	NOV	P70897	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9555	<u>CLOSED/RESOLVED</u>
PETROLEUM MANAGEMENT & MARKETING INC	150812	NOV	P72256	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1653	<u>OPEN/PENDING</u>
PETROLEUM MANAGEMENT & MARKETING INC	150812	NC	E35790	6/30/2016	6/30/2016	41960.2	REPAIR/REPLACE LOOSE SPOUT ON PUMP #6.	<u>CLOSED/RESOLVED</u>
PETROLEUM MANAGEMENT & MARKETING, INC	165725	NOV	P70922	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9814	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PETROLEUM MANAGEMENT & MARKETING, INC	165725	NOV	P72468	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5745	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64601	4/14/2016	7/1/2014	2004(e)	2011/2012(c)(3)(A) failure to electronically report total daily mass emissions & daily status codes within the 24hr extension or (3) non-consecutive 96 hr. extension.;2004(e)-Inaccurate QCER; 2004(b)(4)-Inaccurate APEP. Inaccurate QCER & APEP for all Qtr.	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64601	4/14/2016	7/1/2014	2011	2011/2012(c)(3)(A) failure to electronically report total daily mass emissions & daily status codes within the 24hr extension or (3) non-consecutive 96 hr. extension.;2004(e)-Inaccurate QCER; 2004(b)(4)-Inaccurate APEP. Inaccurate QCER & APEP for all Qtr.	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64601	4/14/2016	7/1/2014	2012	2011/2012(c)(3)(A) failure to electronically report total daily mass emissions & daily status codes within the 24hr extension or (3) non-consecutive 96 hr. extension.;2004(e)-Inaccurate QCER; 2004(b)(4)-Inaccurate APEP. Inaccurate QCER & APEP for all Qtr.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Violation Description	Enforcement Action Case Status
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64607	9/21/2016	8/2/2016	1173(d)(1)(B);(e)(3)(A)	1173 and 1176 violations discovered during 2016 Blue Sky Inspection	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64607	9/21/2016	8/2/2016	1176(E)(1)	1173 and 1176 violations discovered during 2016 Blue Sky Inspection	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64607	9/21/2016	8/2/2016	1176(E)(3)(A)	1173 and 1176 violations discovered during 2016 Blue Sky Inspection	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64613	12/7/2016	12/6/2016	402	R402; CH & SC 41700: Discharge of air contaminants which cause nuisance or annoyance and endangered the comfort & repose to a considerable number of persons and the public	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64613	12/7/2016	12/6/2016	41700	R402; CH & SC 41700: Discharge of air contaminants which cause nuisance or annoyance and endangered the comfort & repose to a considerable number of persons and the public	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64614	1/12/2017	7/1/2015	2004	1) R2004(e) Inaccurate QCER (Q1,2 & 4) ; 2) R2004(b)(4) Inaccurate APEP; 3) R2012(g)(7) Failure to accurately report R219 equipment	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P64610	8/25/2017	1/1/2015	3002(C)(1)	R3002(c)(1) Self-Reported Title V deviations. Please see attached	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63373	10/27/2017	7/1/2016	3002(C)(1)	R3002(c)(1) Self-reported Title V deviations. See attachment	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63374	10/27/2017	1/1/2017	3002(C)(1)	R3002(c)(1) Issued for self-reported Title V deviations. See attachment (Violation dates 1/01/17 _ 6/30/17)	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63371	10/27/2017	9/5/2017	1173	R1173(d)(1)(B) Detected seven leaks greater than 50,000ppm VOC from components in light liquid/gas/vapor service; R1176(e)(1) Detected vapor two vapor leaks greater than 500ppm VOC from wastewater components during an inspection.	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63371	10/27/2017	9/5/2017	1176(E)(1)	R1173(d)(1)(B) Detected seven leaks greater than 50,000ppm VOC from components in light liquid/gas/vapor service; R1176(e)(1) Detected vapor two vapor leaks greater than 500ppm VOC from wastewater components during an inspection.	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63372	10/27/2017	9/6/2017	1173	R1173(d)(1)(B) detected five leaks > 50,000ppm VOC from components in light liquid/gas/vapor service; R1176(c)(5)(A) observed an opening in a junction box (one)	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P63372	10/27/2017	9/6/2017	1176	R1173(d)(1)(B) detected five leaks > 50,000ppm VOC from components in light liquid/gas/vapor service; R1176(c)(5)(A) observed an opening in a junction box (one)	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P67753	8/30/2018	8/30/2018	1173(d)(1)(B)	District inspectors detected leak greater than 50,000 ppm VOC from a component in light liquid/gas/vapor service.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P67756	10/5/2018	7/1/2017	3002(C)(1)	RULE 3002 (C)(1) FACILITY TITLE V DEVIATION SUMMARY FOR 07/01/2017_12/31/2017	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P67757	10/5/2018	1/1/2018	3002(C)(1)	RULE 3002 (C)(1) facility title v permit per LAR title v deviation summary report 01/01/2018_06/30/2018	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P67758	10/25/2018	10/25/2018	1173(D)(1)(C)	DISTRICT INSPECTION DETECTED LEAK GREATER THAN 500 PPM FROM COMPONENT IN HEAVY LIQUID SERVICE	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P66215	11/28/2018	7/1/2017	2004(e) & (b)(4)	Inaccurate QCERs and APEP	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NOV	P67759	12/7/2018	10/24/2018	1176(E)(1)	EMISSIONS GREATER THAN 500 PPM FOUND FROM WASTEWATER SYSTEM	<u>OPEN/PENDING</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NC	E07607	4/14/2016	1/1/2016	2004	Maintain records that clearly identify & justify all corrections to daily electronic emission reports. All corrections made within reconciliation period must be transmitted electronically	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NC	E07607	4/14/2016	1/1/2016	2011	Maintain records that clearly identify & justify all corrections to daily electronic emission reports. All corrections made within reconciliation period must be transmitted electronically	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NC	E07607	4/14/2016	1/1/2016	2012	Maintain records that clearly identify & justify all corrections to daily electronic emission reports. All corrections made within reconciliation period must be transmitted electronically	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NC	E46461	11/28/2018	7/1/2017	2011(e)(7)	REPORT NOX LARGE SOURCE D683 EMISSIONS MONTHLY & ENSURE ACCURACY OF ELECTRONICALLY REPORTED RULE 219 EMISSIONS	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	171107	NC	E46461	11/28/2018	7/1/2017	2012(d)(2)(B) & Appendix A, Chap. 3 & (g)(7)	REPORT NOX LARGE SOURCE D683 EMISSIONS MONTHLY & ENSURE ACCURACY OF ELECTRONICALLY REPORTED RULE 219 EMISSIONS	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 CO/WILMINGTON MARINE TERMINA	171123	NC	E07616	8/30/2017	8/30/2017	1142	1142(h) Submit records maintained by Phillips66 Marine Terminal of loading, lightering, ballasting or housekeeping event from 1/1/17 to 8/30/17	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64602	4/14/2016	1/1/2014	2004	2011/2012 Failure to electronic report total daily emissions & daily status codes w/ 24 hr. ext./3 nonconsecutive 96 hr. ext. Transmission of "0 lbs." as a placeholder transmission nt meet def electric report as def in R2000 & nt considered daily mass emission	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64602	4/14/2016	1/1/2014	2011	2011/2012 Failure to electronic report total daily emissions & daily status codes w/ 24 hr. ext./3 nonconsecutive 96 hr. ext. Transmission of "0 lbs." as a placeholder transmission nt meet def electric report as def in R2000 & nt considered daily mass emission	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64602	4/14/2016	1/1/2014	2012	2011/2012 Failure to electronic report total daily emissions & daily status codes w/ 24 hr. ext./3 non consecutive 96 hr. ext. Transmission of "0 lbs." as a placeholder transmission nt meet def electric report as def in R2000 & nt considered daily mass emission	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64604	6/29/2016	5/18/2016	1176(E)(1)	1176(e)(1) VOC emissions measured > 500ppm from wastewater system (11 counts);	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64603	6/29/2016	6/11/2016	1118(c)(1)(B)	1118(c)(1)(B) Failure to operate flare in a smokeless manner. Visible emissions exceeded five minutes as documented by AQMD Inspector	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64612	1/12/2017	1/1/2015	2004(e), (b)(4)	1) late daily emissions report (1 major device); 2) failure to apply missing data procedures for late daily transmissions (1 major device); 3) Failure to use correct missing data procedures (1 process device); 4) Inaccurate QCER (4 Qtrs.); 5) Inaccurate APEP	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64612	1/12/2017	1/1/2015	2011, 2012(c)(3) (c)	1) late daily emissions report (1 major device); 2) failure to apply missing data procedures for late daily transmissions (1 major device); 3) Failure to use correct missing data procedures (1 process device); 4) Inaccurate QCER (4 Qtrs.); 5) Inaccurate APEP	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64612	1/12/2017	1/1/2015	2011(C)( 3)(A), 2012(c)(3) (A)	1) late daily emissions report (1 major device); 2) failure to apply missing data procedures for late daily transmissions (1 major device); 3) Failure to use correct missing data procedures (1 process device); 4) Inaccurate QCER (4 Qtrs.); 5) Inaccurate APEP	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64612	1/12/2017	1/1/2015	2012(g)(7) )	1) late daily emissions report (1 major device);2) failure to apply missing data procedures for late daily transmissions (1 major device); 3) Failure to use correct missing data procedures (1 process device); 4) Inaccurate QCER (4 Qtrs.); 5) Inaccurate APEP	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64612	1/12/2017	1/1/2015	2012APP EN A, 2011	1) late daily emissions report (1 major device);2) failure to apply missing data procedures for late daily transmissions (1 major device); 3) Failure to use correct missing data procedures (1 process device); 4) Inaccurate QCER (4 Qtrs.); 5) Inaccurate APEP	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64611	8/25/2017	1/1/2015	3002(C)( 1)	R3002(c)(1) Self-Reported Title V deviations. Please see attached. Violation dates: 01/01/2015 _ 06/30/2015	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P65102	10/20/2017	9/6/2017	1173	R3002(c)(1) & 40 CFR60 692_5(e)(1) closed vent system open to atmosphere w/leak>500ppm; R1176 Leak>500ppm @NE corner of API Separator, Leak>500ppm @SW edge of API Separator, Leak>500ppm@sump located North API separator, leak on atmospheric PRD on gas	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P65102	10/20/2017	9/6/2017	1176	R3002(c)(1) & 40 CFR60 692_5(e)(1) closed vent system open to atmosphere w/leak>500ppm; R1176 Leak>500ppm @NE corner of API Separator, Leak>500ppm @SW edge of API Separator, Leak>500ppm@sump located North API separator, leak on atmospheric PRD on gas	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P65102	10/20/2017	9/6/2017	3002(C)( 1)	R3002(c)(1) & 40 CFR60 692_5(e)(1) closed vent system open to atmosphere w/leak>500ppm; R1176 Leak>500ppm @NE corner of API Separator, Leak>500ppm @SW edge of API Separator, Leak>500ppm@sump located North API separator, leak on atmospheric PRD on gas	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P65102	10/20/2017	9/6/2017	40 CFR	R3002(c)(1) & 40 CFR60 692_5(e)(1) closed vent system open to atmosphere w/leak>500ppm; R1176 Leak>500ppm @NE corner of API Separator, Leak>500ppm @SW edge of API Separator, Leak>500ppm@sump located North API separator, leak on atmospheric PRD on gas	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64418	10/31/2017	3/31/2015	2011APP ENDIX A, chapter 3, A5	1. NOx process unit C978 fuel use was not monitored or corrected to standard cubic feet 2. SOx process unit C978 fuel use was not monitored or corrected to standard cubic feet	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64418	10/31/2017	3/31/2015	2012APP EN A, chapter 4, A7	1. NOx process unit C978 fuel use was not monitored or corrected to standard cubic feet 2. SOx process unit C978 fuel use was not monitored or corrected to standard cubic feet	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67751	3/16/2018	3/8/2018	1173(d)( 1)(B)	District inspectors detected leak greater than 50,000 ppm VOC from components in light liquid/gas/vapor service	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67752	3/27/2018	3/7/2018	1173(d)( 1)(D)(ii)	1) Emissions greater than 500ppm VOC found from wastewater system. 2) District inspectors detected leak greater than 200 ppm from PRD on dissolved gas flotation tank.	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67752	3/27/2018	3/7/2018	1176(E)( 1)	1) Emissions greater than 500ppm VOC found from wastewater system. 2) District inspectors detected leak greater than 200 ppm from PRD on dissolved gas flotation tank.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64421	5/15/2018	6/15/2017	2011(c)(3) (C)	1.major source D294 SOx and NOx daily transmissions to the District Central Station were not sent within applicable deadlines from 6/15/17 to 7/8/17 2.D294 SOx and NOx emissions from 6/15/17 to 7/8/17 were not calculated using missing data procedures due	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64421	5/15/2018	6/15/2017	2011(C)(3)(A)	1.major source D294 SOx and NOx daily transmissions to the District Central Station were not sent within applicable deadlines from 6/15/17 to 7/8/17 2.D294 SOx and NOx emissions from 6/15/17 to 7/8/17 were not calculated using missing data procedures due	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64421	5/15/2018	6/15/2017	2012(c)(3) (C)	1.major source D294 SOx and NOx daily transmissions to the District Central Station were not sent within applicable deadlines from 6/15/17 to 7/8/17 2.D294 SOx and NOx emissions from 6/15/17 to 7/8/17 were not calculated using missing data procedures due	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P64421	5/15/2018	6/15/2017	2012(C)( 3)(A)	1.major source D294 SOx and NOx daily transmissions to the District Central Station were not sent within applicable deadlines from 6/15/17 to 7/8/17 2.D294 SOx and NOx emissions from 6/15/17 to 7/8/17 were not calculated using missing data procedures due	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67754	10/5/2018	7/1/2017	3002(C)( 1)	RULE 3002 (c)(1) FACILITY TITLE V PERMIT FOR 07/01/2017_12/31/2017	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67755	10/5/2018	1/1/2018	3002(C)( 1)	RULE 3002 (C)(1) FACILITY TITLE V PERMIT__ DEVIATION SUMMARY REPORT 01/01/2018_06/30/2018	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NOV	P67809	10/17/2018	7/1/2015	3002(C)( 1)	Issued for self-reported 2H 2015 compliance year Title V deviations	<u>OPEN/PENDING</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NC	E07610	4/14/2016	1/1/2016	2004	Maintain records clearly identify & justify all corrections to daily electronic emissions reports. All corrections made within reconciliation period must be transmitted electronically.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NC	E07610	4/14/2016	1/1/2016	2011	Maintain records clearly identify & justify all corrections to daily electronic emissions reports. All corrections made within reconciliation period must be transmitted electronically.	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NC	E07610	4/14/2016	1/1/2016	2012	Maintain records clearly identify & justify all corrections to daily electronic emissions reports. All corrections made within reconciliation period must be transmitted electronically.	<u>CLOSED/RESOLVED</u>
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	171109	NC	E07613	6/29/2016	5/18/2016	3002(C)(1) cond. E202.1	3002(c)(1) Condition E202.1 - Maintain extraction wells and ducts to ensure they are free of vapor leaks	<u>OPEN/PENDING</u>
PICK YOUR PART AUTO WRECKING	78175	NOV	P71533	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2501	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800417	NOV	P59392	2/4/2016	9/16/2014	2012(d)(2)(B)	Failing to electronically transmit emissions for each Large Source Unit in August of Compliance Year 2014.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800417	NOV	P60290	11/22/2017	1/1/2017	2012APP EN A, CH 5, C	Failing to conduct periodic RECLAIM tune-up for devices D1 and D2 per the applicable frequency (semiannual) in CY2016.	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800417	NC	E26895	10/4/2016	10/4/2016	42303	See report.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PLAINS WEST COAST TERMINALS LLC	800417	NC	E30140	10/9/2017	9/18/2017	1173(f)(1)(A) and (i)(2)	See Report	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800417	NC	E30140	10/9/2017	9/18/2017	3002(c)(1)	See Report	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800417	NC	E30140	10/9/2017	9/18/2017	463(f)(1)	See Report	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800417	NC	E37239	9/11/2018	9/11/2018	3002(C)(1)	(1) Resubmit TITLE V 500_SAM with correct due date. (2) Resubmit TITLE V 500_ACC with correct due date.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P59390	1/21/2016	9/16/2014	2012(d)(2)(B) and (e)(2)(B)	R2012(d) (2) (B) - Failing to electronically transmit emissions for each large source unit in August of compliance year 2014. R2012(e) (2) (B) - Failing to electronically transmit emissions for each process unit in the 3rd quarter of compliance year 2012	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P62954	12/27/2016	11/5/2015	2004(b)(4); (e)(1); (f)(1)	Failing to: identify deviations from permit req/compliance status, conduct monthly monitoring, calc/report emissions, determine fuel usage, report emissions, and comply w/ permit.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P62954	12/27/2016	11/5/2015	2004(F)(1)	Failing to: identify deviations from permit req/compliance status, conduct monthly monitoring, calc/report emissions, determine fuel usage, report emissions, and comply w/ permit.	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P62954	12/27/2016	11/5/2015	2012(d)(2)(B)	Failing to: identify deviations from permit req/compliance status, conduct monthly monitoring, calc/report emissions, determine fuel usage, report emissions, and comply w/ permit.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P62954	12/27/2016	11/5/2015	2012(D)(2)(A)	Failing to: identify deviations from permit req/compliance status, conduct monthly monitoring, calc/report emissions, determine fuel usage, report emissions, and comply w/ permit.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P62954	12/27/2016	11/5/2015	3002(c)	Failing to: identify deviations from permit req/compliance status, conduct monthly monitoring, calc/report emissions, determine fuel usage, report emissions, and comply w/ permit.	<u>CLOSED/RESOLVED</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P60287	10/10/2017	7/1/2016	2004(I)(1)(B)	Failure to comply with Title V permit conditions: Section K #22A for a late 500_N submission and #24(a)_(E) for failing to report all deviations as required on the Annual Compliance Certification (500_N).	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P60287	10/10/2017	7/1/2016	3002(C)(1)	Failure to comply with Title V permit conditions: Section K #22A for a late 500_N submission and #24(a)_(E) for failing to report all deviations as required on the Annual Compliance Certification (500_N).	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P66509	9/26/2018	10/7/2017	1149(c)(7)	failed to submit notification to district a minimum of 2 hours up to 2 days prior to when the roof is scheduled to land on its legs as a result of emptying organic liquid from the tank	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NOV	P66509	9/26/2018	10/7/2017	3002(c)(1)	failed to submit notification to district a minimum of 2 hours up to 2 days prior to when the roof is scheduled to land on its legs as a result of emptying organic liquid from the tank	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NC	E26897	10/4/2016	10/4/2016	42303	See report	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NC	E37951	11/14/2016	9/8/2016	42303	Provide gas bills for compliance year 2015 (7/1/15 - 6/30/16)	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NC	E30143	10/10/2017	9/18/2017	1173(i)(2)	Perform Operator inspection as required (audio visual every 8 hour operating period), and document/record as required	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NC	E30143	10/10/2017	9/18/2017	1173(F)(1) (a)	Perform Operator inspection as required (audio visual every 8 hour operating period), and document/record as required	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PLAINS WEST COAST TERMINALS LLC	800420	NC	E30144	11/22/2017	9/18/2017	2012APP EN A Ch. 5- C	use missing data for process units per rule (1 MDP period is equal to 1 quarter); document weekly/monthly usage for devices D114 & D114 (C1.10) appropriately (Date, beg/end readings, elapsed time used, and reason for operation)	<u>OPEN/PENDING</u>
PLAINS WEST COAST TERMINALS LLC	800420	NC	E37238	9/11/2018	9/11/2018	3002(C)(1)	(1) Resubmit TITLE V 500_SAM with correct due date. (2) Resubmit TITLE V 500_ACC with correct due date.	<u>CLOSED/RESOLVED</u>
PLANNED PARENTHOOD, LOS ANGELES	164175	NC	E37727	10/13/2016	10/13/2016	203	MAINTAIN COMPLETE ENGINE OPERATION LOG THAT INCLUDES REASON FOR OPERATION AND PAY BACKFEES	<u>CLOSED/RESOLVED</u>
PMM, INC.	127546	NOV	P70768	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8244	<u>CLOSED/RESOLVED</u>
PMM, INC.	127546	NOV	P72013	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9202	<u>OPEN/PENDING</u>
PMM, INC.	127546	NC	E38691	7/18/2017	7/18/2017	41960.2(e)	Vacuum Pump motor is running/active inside Dispenser 1/2 when not authorized. Contact technician to diagnose and repair	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PMM, INC.	127546	NC	E46336	11/28/2018	11/28/2018	203(B)	Maintain ISD alarm log with all instances of alarms, associated repairs, and alarm clears. Ensure 91 tank lid can be opened properly. Provide access to Healy tank. Replace torn boot on nozzle #11. Repair/replace nozzle #3 that has loose spout. Maintain	<u>CLOSED/RESOLVED</u>
PMM, INC.	127546	NC	E46336	11/28/2018	11/28/2018	461(c)(1)(A)(v), (c)(2)(B), (d)(1)(A), (e)(6)(B), (e)(6)(D)	Maintain ISD alarm log with all instances of alarms, associated repairs, and alarm clears. Ensure 91 tank lid can be opened properly. Provide access to Healy tank. Replace torn boot on nozzle #11. Repair/replace nozzle #3 that has loose spout. Maintain	<u>CLOSED/RESOLVED</u>
PORSCHE CARS NORTH AMERICA, INC.	182079	NOV	P71175	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217317288	<u>CLOSED/RESOLVED</u>
PORT OF LONG BEACH	172477	NOV	P71772	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4931	<u>OPEN/PENDING</u>
PORT OF LONG BEACH	172477	NC	E40752	9/28/2017	9/28/2017	203	203: Apply for model number correction on permit number G27746	<u>OPEN/PENDING</u>
PORT OF LONG BEACH	172477	NC	E40732	10/17/2017	10/17/2017	PERP 2460 (b)	Failure to contact the home district within 45 days of receiving registration renewals	<u>CLOSED/RESOLVED</u>

Appendix 4-237

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PRAXAIR INC	7416	NOV	P68252	4/12/2018	10/30/2017	2004(e) & (b)(4)	Submitting inaccurate QCER and APEP	<u>OPEN/PENDING</u>
PRAXAIR INC	7416	NC	E31526	8/9/2017	2/1/2016	2004(e); (b)(4)	Ensure emissions are reported accurately on QCERs. Ensure emissions are reported accurately on APEP. Ensure Rule 219 emissions are reported in the QCERs even if it is zero.	<u>OPEN/PENDING</u>
PRAXAIR INC	7416	NC	E31526	8/9/2017	2/1/2016	2012(g)(7)	Ensure emissions are reported accurately on QCERs. Ensure emissions are reported accurately on APEP. Ensure Rule 219 emissions are reported in the QCERs even if it is zero.	<u>OPEN/PENDING</u>
PRAXAIR, INC.	20681	NC	E42760	4/18/2018	4/18/2018	42303	Provide total monthly quantity of carbon dioxide produced at the facility for Plants A & B for years 2016, 2017, and 2018. Provide process gas analyses for outlets at plants A & B scrubbers for years 2016, 2017, through 2018.	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NOV	P57886	4/20/2018	1/1/2016	2004(F)(1)	1. Failure to comply all rules and permit conditions of the FPO. 2. Failure to hold adequate RTCs at the commencement of CY 2016 & C2017 in an amount of require offsets as listed in the permit conditions. 3. Failure to comply with Title V FPO conditions	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PRIME WHEEL	105903	NOV	P57886	4/20/2018	1/1/2016	2005(f)(1)	1. Failure to comply all rules and permit conditions of the FPO. 2. Failure to hold adequate RTCs at the commencement of CY 2016 & C2017 in an amount of require offsets as listed in the permit conditions. 3. Failure to comply with Title V FPO conditions	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NOV	P57886	4/20/2018	1/1/2016	3002(C)(1)	1. Failure to comply all rules and permit conditions of the FPO. 2. Failure to hold adequate RTCs at the commencement of CY 2016 & C2017 in an amount of require offsets as listed in the permit conditions. 3. Failure to comply with Title V FPO conditions	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NC	E31512	6/15/2016	4/16/2016	2004(f)(1)	Convert Large, Process, and R219 equipment fuel in standard million cubic feet by not using correct P/T readings properly. Comply with Facility Permit to Operate Condition # C1.4 for D21, exceeded by 42000 cubic feet. Did not calculate MDP for D17	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PRIME WHEEL	105903	NC	E31512	6/15/2016	4/16/2016	2012App x. A, Ch. 3, (A)(8); and Ch. 4 (a)(7)(a), Ch. 3 (H)(4)(e)	Convert Large, Process, and R219 equipment fuel in standard million cubic feet by not using correct P/T readings properly. Comply with Facility Permit to Operate Condition # C1.4 for D21, exceeded by 42000 cubic feet. Did not calculate MDP for D17	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NC	E31512	6/15/2016	4/16/2016	3002(C)(1)	Convert Large, Process, and R219 equipment fuel in standard million cubic feet by not using correct P/T readings properly. Comply with Facility Permit to Operate Condition # C1.4 for D21, exceeded by 42000 cubic feet. Did not calculate MDP for D17	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NC	E31522	5/11/2017	4/1/2016	2004(F)(1)	Comply with Permit Condition C1.4 by installing the implant meter for D24 or apply for modification of Permit Condition C1.4 to get a combined natural gas fuel usage limit per month.	<u>CLOSED/RESOLVED</u>
PRIME WHEEL	105903	NC	E31537	5/10/2018	4/1/2017	2004(e)	Make sure when submitting QCERs that they are accurate. 1st, 2nd, and 3rd Qtrs. of QCERs were inaccurate for CY 2017.	<u>CLOSED/RESOLVED</u>
PROPEL INC.	166919	NC	E38029	1/6/2017	1/6/2017	461(e)(6)(D), (c)(3)(G)	Provide monthly E-85 throughput for 2016; Place rule 461 attachment A sticker on dispenser	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
PURITAN BAKERY INC	41223	NOV	P71459	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1771	<u>OPEN/PENDING</u>
QUEEN BEACH PRINTERS	125268	NC	E35863	4/21/2016	4/21/2016	42303	PROVIDE VOC RECORDS AND SDS.	<u>CLOSED/RESOLVED</u>
RAINBOW TRANSPORT TANK CLEANERS, C. ALBIN	25965	NC	E35709	8/1/2016	7/28/2016	203(B)	INSTALLATION OF VAPOR COLLECTING PIPING AND VENTING OF HEADSPACE TO AN AIR POLLUTION CONTROL SYSTEM AS REPAIRED BY CONDITION #14 OF PERMIT TO OPERATE G31942;	<u>CLOSED/RESOLVED</u>
RALPHS GROCERY CO	20604	NOV	P65375	11/9/2017	12/31/2016	203(A)	Operating diesel fueled IC Engines that are >50 hp without a valid AQMD permit to operate.	<u>CLOSED/RESOLVED</u>
RALPHS GROCERY CO	20604	NC	E39618	8/9/2017	6/16/2017	1470(d)(7)	Maintain records of all hours of operation and reason for operation for all permitted IC engines.	<u>CLOSED/RESOLVED</u>
RALPHS GROCERY CO	20604	NC	E31545	11/30/2018	7/1/2018	2012(j)(2)	Make sure source tests are done on or before the due dates for Large Source boilers, D23 & D24, every three year period. The source tests for boilers were late.	<u>CLOSED/RESOLVED</u>
RAMSEY'S BODY SHOP, JOSE ALVARADO	119092	NC	E35110	3/10/2016	3/10/2016	203	REPAIR OR REPLACE MONOMETER	<u>CLOSED/RESOLVED</u>
RDS WIRE & CABLE, INC.	141813	NC	E36315	7/8/2016	7/8/2016	1171	1171: Use complaint solvents for cleaning; 42303: Provide VOC usage records	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
RDS WIRE & CABLE, INC.	141813	NC	E36315	7/8/2016	7/8/2016	42303	1171: Use complaint solvents for cleaning; 42303: Provide VOC usage records	<u>CLOSED/RESOLVED</u>
RESEARCH TOOL & DIE WORKS	98463	NC	E36319	7/27/2016	7/27/2016	202	202b - Submit source test protocol for oven associated with a/n 568869; conduct source test once protocol is approved.	<u>CLOSED/RESOLVED</u>
RJ'S DEMOLITION AND DISPOSAL	173437	NC	E34665	3/11/2016	9/9/2015	201	OBTAIN PERMIT TO CONSTRUCT/OPERATE FOR TROMMEL SCREEN (MCCLOSKEY 2005 MCI 621 RE, S/N 12506, RATED 200 TONS/HR, PERP 154685). OBTAIN PERMIT TO CONSTRUCT/OPERATE FOR TUB GRINDER (WHO PE13-63XSHDWF, S/N 1158, RATED 200 TONS/HOUR, PERP 157523)	<u>CLOSED/RESOLVED</u>
RJ'S DEMOLITION AND DISPOSAL	173437	NC	E30738	5/13/2016	5/13/2016	42303	PROVIDE THE FOLLOWING RECORDKEEPING: PERMIT OF TONNAYE ALLOWED AQMD REGISTRATION AND ANNUAL (UPDATES RULE 1133.1) DURING DAY/WET WEATHER LOG. SHOW PROOF THAT STOCK PILES ARE 8 FT. OR LESS.	<u>OPEN/PENDING</u>
RJ'S DEMOLITION AND DISPOSAL	173437	NC	E40015	8/15/2017	8/11/2017	1133	Submit annual update/registration form. Have hardcopy of permits available	<u>CLOSED/RESOLVED</u>
RJ'S DEMOLITION AND DISPOSAL	173437	NC	E40015	8/15/2017	8/11/2017	206	Submit annual update/registration form. Have hardcopy of permits available	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ROBERTSON'S READY MIX	170047	NC	E43207	3/23/2018	3/23/2018	42303	Provide through put records. Provide quarry information for cement and fly ash.	<u>CLOSED/RESOLVED</u>
ROCKET OIL #3	107219	NC	E38679	6/7/2017	6/7/2017	203	Please keep copy of current Permit # N24005 onsite; Please keep copies of updated VST Weekly Insertion Interlock records; Please provide missing copy of July 2016 Periodic Compliance Inspection record	<u>CLOSED/RESOLVED</u>
ROCKET OIL #3	107219	NC	E38679	6/7/2017	6/7/2017	461(c)(2)(B), (d)(1)(B), (c)(3)(i)(ii), (e)(6)(C)	Please keep copy of current Permit # N24005 onsite; Please keep copies of updated VST Weekly Insertion Interlock records; Please provide missing copy of July 2016 Periodic Compliance Inspection record	<u>CLOSED/RESOLVED</u>
ROYAL CARE SKILLED NURSING	155860	NC	E37722	9/14/2016	9/14/2016	203	DON'T OPERATE ICE BETWEEN 730 HOURS AND 1530 HOURS ON SCHOOL DAYS AND INCLUDE TIME OF DAY THAT ICE IS OPEATED IN ENGINE OPERATION RECORDS	<u>CLOSED/RESOLVED</u>
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NOV	P64320	4/14/2016	4/14/2016	41954	OPERATING A GASOLINE DISPENSING FACILITY: CONTRARY TO CARB CERTIFICATION - ALL NOZZLES NOT MAPPED TO ISD - DIESEL TANK MAPPED AS GASOLINE IN ISD; WITH MAJOR DEFECT - NOZZLE #5 INTERLOCK MECHANISM FAULTY - FAILS CHECK B.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NOV	P64320	4/14/2016	4/14/2016	41960.2	OPERATING A GASOLINE DISPENSING FACILITY: CONTRARY TO CARB CERTIFICATION - ALL NOZZLES NOT MAPPED TO ISD - DIESEL TANK MAPPED AS GASOLINE IN ISD; WITH MAJOR DEFECT - NOZZLE #5 INTERLOCK MECHANISM FAULTY - FAILS CHECK B.	<u>CLOSED/RESOLVED</u>
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NOV	P64320	4/14/2016	4/14/2016	461(C)	OPERATING A GASOLINE DISPENSING FACILITY: CONTRARY TO CARB CERTIFICATION - ALL NOZZLES NOT MAPPED TO ISD - DIESEL TANK MAPPED AS GASOLINE IN ISD; WITH MAJOR DEFECT - NOZZLE #5 INTERLOCK MECHANISM FAULTY - FAILS CHECK B.	<u>CLOSED/RESOLVED</u>
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NOV	P64320	4/14/2016	4/14/2016	461(C)(2) (B)	OPERATING A GASOLINE DISPENSING FACILITY: CONTRARY TO CARB CERTIFICATION - ALL NOZZLES NOT MAPPED TO ISD - DIESEL TANK MAPPED AS GASOLINE IN ISD; WITH MAJOR DEFECT - NOZZLE #5 INTERLOCK MECHANISM FAULTY - FAILS CHECK B.	<u>CLOSED/RESOLVED</u>
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NOV	P72179	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5226	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NC	E32410	4/14/2016	4/14/2016	461	PROVIDE 2015 & 2016 MONTHLY GASOLINE THROUGHPUT. REPLACE 87 DROP TUBE SO IT MEASURES LESS THAN 6" FROM TANK BOTTOM.	<u>CLOSED/RESOLVED</u>
ROYCE CHEVRON, ROYCE OIL INC, DBA	144633	NC	E32410	4/14/2016	4/14/2016	461(C)(1) (A)	PROVIDE 2015 & 2016 MONTHLY GASOLINE THROUGHPUT. REPLACE 87 DROP TUBE SO IT MEASURES LESS THAN 6" FROM TANK BOTTOM.	<u>CLOSED/RESOLVED</u>
ROYCE OIL	171203	NOV	P64323	5/11/2016	5/31/2012	203(B)	FAILURE TO ADHERE TO CONDITION #15 OF AQMD P/O N26847 - EXCEEDED E-85 MONTHLY THROUGHPUT LIMIT - EXCEEDED E-85 ANNUAL THOUGHPUT LIMIT IN 2015, 2014, 2013, 2012.	<u>CLOSED/RESOLVED</u>
ROYCE OIL	171203	NC	E32411	4/14/2016	4/14/2016	461	PROVIDE 2015 & 2016 MONTHLY GASOLINE THROUGHPUT.	<u>CLOSED/RESOLVED</u>
ROYCE OIL	171203	NC	E38047	3/7/2017	3/7/2017	461(e)(6) (D)	Provide Monthly gasoline E-85 throughput for 2016 and 2017	<u>CLOSED/RESOLVED</u>
S & M SERVICE STATION, INC	144027	NOV	P68402	9/21/2018	7/15/2016	41960.2a	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturer's specification of the certified system; Operating a gasoline dispensing system contrary to CARB Executive Order, including the IOM - ISD Software	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
S & M SERVICE STATION, INC	144027	NOV	P68402	9/21/2018	7/15/2016	461(C)(2) (B)	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturer's specification of the certified system; Operating a gasoline dispensing system contrary to CARB Executive Order, including the IOM - ISD Software	<u>OPEN/PENDING</u>
S & M SERVICE STATION, INC	144027	NOV	P68402	9/21/2018	7/15/2016	461(E) (1)	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturer's specification of the certified system; Operating a gasoline dispensing system contrary to CARB Executive Order, including the IOM - ISD Software	<u>OPEN/PENDING</u>
S & M SERVICE STATION, INC	144027	NOV	P68402	9/21/2018	7/15/2016	461(E)(2) (C)	Failure to maintain gasoline dispensing system in good working order in accordance with the manufacturer's specification of the certified system; Operating a gasoline dispensing system contrary to CARB Executive Order, including the IOM - ISD Software	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
S & M SERVICE STATION, INC	144027	NC	E37651	10/7/2016	10/7/2016	41960.2	REPLACE DEFECTIVE PRODUCT CAP ON MIDDLE TANK. REPLACE TORN HEALY VAPOR GUARDS (BOOTS) ON PUMPS # 2 & 6. PROVIDE 2016 VAPOR RECOVERY TESTING RECORDS, DAILY & WEEKLY INSPECTION RECORDS AND 2016 PERIODIC COMPLIANCE INSPECTION REPORT.	<u>CLOSED/RESOLVED</u>
S & M SERVICE STATION, INC	144027	NC	E37651	10/7/2016	10/7/2016	42303	REPLACE DEFECTIVE PRODUCT CAP ON MIDDLE TANK. REPLACE TORN HEALY VAPOR GUARDS (BOOTS) ON PUMPS # 2 & 6. PROVIDE 2016 VAPOR RECOVERY TESTING RECORDS, DAILY & WEEKLY INSPECTION RECORDS AND 2016 PERIODIC COMPLIANCE INSPECTION REPORT.	<u>CLOSED/RESOLVED</u>
S & M SERVICE STATION, INC	144027	NC	E37651	10/7/2016	10/7/2016	461(C)(1) (A)	REPLACE DEFECTIVE PRODUCT CAP ON MIDDLE TANK. REPLACE TORN HEALY VAPOR GUARDS (BOOTS) ON PUMPS # 2 & 6. PROVIDE 2016 VAPOR RECOVERY TESTING RECORDS, DAILY & WEEKLY INSPECTION RECORDS AND 2016 PERIODIC COMPLIANCE INSPECTION REPORT.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
SA RECYCLING	173824	NC	E43564	6/5/2018	6/5/2018	401(b)(1)	Do not discharge into atmosphere from any source of metal cutting operation for a period or periods aggregating more than three minutes in any hour.	<u>CLOSED/RESOLVED</u>
SAINT MARY'S MEDICAL CENTER	10267	NC	E36572	7/14/2016	7/14/2016	203	MAINTAIN ENGINE OPERATION LOG FOR CO-GEN, POST PERMIT WITHIN 8 METERS OF EQUIPMENT, AND MAINTAIN ENGINE OPERATION LOGS FOR ICES	<u>CLOSED/RESOLVED</u>
SAINT MARY'S MEDICAL CENTER	10267	NC	E36572	7/14/2016	7/14/2016	206	MAINTAIN ENGINE OPERATION LOG FOR CO-GEN, POST PERMIT WITHIN 8 METERS OF EQUIPMENT, AND MAINTAIN ENGINE OPERATION LOGS FOR ICES	<u>CLOSED/RESOLVED</u>
SAM'S BODY REPAIR & PAINT	171368	NC	E34805	2/24/2016	2/24/2016	42303	PROVIDE VOC RECORDS FOR PAST 2 YEARS	<u>CLOSED/RESOLVED</u>
SAN PEDRO CHEVRON	152177	NOV	P72271	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1783	<u>OPEN/PENDING</u>
SAN PEDRO CHEVRON	152177	NC	E32439	8/30/2016	8/30/2016	41960.2	REPLACE HOSES #1, 2 & 6 AND WHIP HOSES # 2, 4 & 7. - WIRE BRAID EXPOSED.	<u>CLOSED/RESOLVED</u>
SANTA MONICA SEAFOOD COMPANY, INC.	131500	NC	E27931	1/19/2016	1/19/2016	1415.1	REGISTER ALL REFRIGERATION SYSTEMS WITH A CAPACITY OF 50LBS. OR GREATER WITH CALIFORNIA AIR RESOURCES BOARD	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
SHELL	166764	NOV	P64328	8/11/2016	8/24/2014	203(B)	FAILURE TO ADHERE TO CONDITION #16 OF AQMD PERMIT TO OPERATE N26179 - RE-ENABLING DISPENSERS AND CLEARING ALARMS WITHOUT REPAIR OR ISOLATION. FAILURE TO MAINTAIN ADEQUATE ISD ALARM LOG. OPERATING A GASOLINE DISPENSING FACILITY WITH A "MAJOR DEFECT"-	<u>CLOSED/RESOLVED</u>
SHELL	166764	NOV	P64328	8/11/2016	8/24/2014	461	FAILURE TO ADHERE TO CONDITION #16 OF AQMD PERMIT TO OPERATE N26179 - RE-ENABLING DISPENSERS AND CLEARING ALARMS WITHOUT REPAIR OR ISOLATION. FAILURE TO MAINTAIN ADEQUATE ISD ALARM LOG. OPERATING A GASOLINE DISPENSING FACILITY WITH A "MAJOR DEFECT"-	<u>CLOSED/RESOLVED</u>
SHELL	166764	NOV	P64328	8/11/2016	8/24/2014	461(C)	FAILURE TO ADHERE TO CONDITION #16 OF AQMD PERMIT TO OPERATE N26179 - RE-ENABLING DISPENSERS AND CLEARING ALARMS WITHOUT REPAIR OR ISOLATION. FAILURE TO MAINTAIN ADEQUATE ISD ALARM LOG. OPERATING A GASOLINE DISPENSING FACILITY WITH A "MAJOR DEFECT"-	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
SHELL	166764	NOV	P65738	11/2/2017	9/26/2016	203(b)	Failure to adhere to condition #16 of P/O N26179 (Re_enabling dispensers and clearing alarms without evidence of repair or isolation); Failure to provide monthly gasoline throughput for 2017; Failure to place Rule 461 Attachment A stickers on fueling	<u>OPEN/PENDING</u>
SHELL	166764	NOV	P65738	11/2/2017	9/26/2016	461(e)(6) (D), (c)(3)(G)	Failure to adhere to condition #16 of P/O N26179 (Re_enabling dispensers and clearing alarms without evidence of repair or isolation); Failure to provide monthly gasoline throughput for 2017; Failure to place Rule 461 Attachment A stickers on fueling	<u>OPEN/PENDING</u>
SHELL	166764	NOV	P72480	12/11/2018	3/2/2018	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5912	<u>OPEN/PENDING</u>
SHELL	166764	NC	E40655	10/18/2017	10/18/2017	41960.2(e)	replace hoses #5 and #6 and whip hoses #7 and #8 (wire braid exposed); place rule 461 attachment a stickers on fueling points 1 through 4; provide periodic for 2017; provide ISD alarm log and maintenance log for Sept 2016 to Oct 2017; provide monthly	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
SHELL	166764	NC	E40655	10/18/2017	10/18/2017	461(c)(3)(G), (d)(1)(B), (e)(6)(B), (e)(6)(D)	replace hoses #5 and #6 and whip hoses #7 and #8 (wire braid exposed); place rule 461 attachment a stickers on fueling points 1 through 4; provide periodic for 2017; provide ISD alarm log and maintenance log for Sept 2016 to Oct 2017; provide monthly	<u>CLOSED/RESOLVED</u>
SO CAL AUTO IMAGE	185256	NC	E39857	7/25/2017	7/25/2017	109	Have permit to operate paint spray booth. Apply for change of operator. Keep/Maintain daily paint usage/VOC records.	<u>CLOSED/RESOLVED</u>
SO CAL AUTO IMAGE	185256	NC	E39857	7/25/2017	7/25/2017	203(A)	Have permit to operate paint spray booth. Apply for change of operator. Keep/Maintain daily paint usage/VOC records.	<u>CLOSED/RESOLVED</u>
SOLVAY USA, INC	177042	NC	E36575	8/5/2016	8/5/2016	42303	PROVIDE THROUGHOUT RECORDS FOR STORAGE TANKS, REACTORS, AND BLENDING EQUIPMENT.	<u>CLOSED/RESOLVED</u>
SONY CORP _ NDC	87976	NC	E40419	5/25/2017	5/25/2017	203(B)	maintain complete engine operation records for ice	<u>CLOSED/RESOLVED</u>
SONY CORP _ NDC	87976	NC	E40409	7/6/2017	7/6/2017	42303	provide complete engine operation records for permit no. f94155, provide current engine operation hours, provide specifications for air conditioning units	<u>CLOSED/RESOLVED</u>
SOURCE CORP BPS SOUTHERN CALIFORNIA	144730	NC	E36314	7/5/2016	7/5/2016	203(B)	203b: Maintain proper operating records for generator	<u>CLOSED/RESOLVED</u>
SOUTH PARK MANOR	185425	NC	E40240	8/15/2017	8/15/2017	203	Rule 203: Submit application for permit to operate	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
SPEEDIES DRY CLEANERS	167786	NOV	P64205	3/22/2016	2/23/2016	1102	DRY CLEANING MACHINE OBSERVED OPERATING WITH EXPIRED PERMIT TO OPERATE, NO DAILY RECORDS KEPT.	<u>CLOSED/RESOLVED</u>
SPEEDIES DRY CLEANERS	167786	NOV	P64205	3/22/2016	2/23/2016	203	DRY CLEANING MACHINE OBSERVED OPERATING WITH EXPIRED PERMIT TO OPERATE, NO DAILY RECORDS KEPT.	<u>CLOSED/RESOLVED</u>
SPEEDIES DRY CLEANERS	167786	NC	E35105	2/23/2016	2/23/2016	42303	PROVIDE SOLVENT PURCHASE RECORDS, POUNDAGE, LEAK INSPECTIONS, ANNUAL MILEAGE, HAZARDOUS WASTE MAINFESTS, SERVICE LOG, AND NAURAL GAS BILLS.	<u>CLOSED/RESOLVED</u>
STRATZEN INC.	178771	NC	E28737	8/15/2017	8/15/2017	203	Submit permit application to file for Change of Operator to Stratzen, Inc., and pay associated fees for administrative change; Maintain ISD alarm and repair log relating to issues with ISD Alarm occurrences.	<u>CLOSED/RESOLVED</u>
STRATZEN INC.	178771	NC	E28737	8/15/2017	8/15/2017	461(e)(6) (B)	Submit permit application to file for Change of Operator to Stratzen, Inc., and pay associated fees for administrative change; Maintain ISD alarm and repair log relating to issues with ISD Alarm occurrences.	<u>CLOSED/RESOLVED</u>
STRICKLIN-SNIVELY MORTUARY	39566	NC	E35425	4/5/2016	4/5/2016	42303	PROVIDE SOURCE TESTS FOR BURNERS TO DEMONSTRATE COMPLIANCE WITH RULE 1147 NOX EMISSIONS LIMIT.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
STRICKLIN-SNIVELY MORTUARY	39566	NC	E35866	5/24/2016	5/24/2016	42303	provide source test for crematory no. 3	<u>CLOSED/RESOLVED</u>
SUPERIOR ELECTRICAL ADVERTISING	43478	NC	E36574	8/4/2016	8/4/2016	109	maintain VOC records, conduct source test, modify permit	<u>CLOSED/RESOLVED</u>
SUPERIOR ELECTRICAL ADVERTISING	43478	NC	E36574	8/4/2016	8/4/2016	203	maintain VOC records, conduct source test, modify permit	<u>CLOSED/RESOLVED</u>
SUPERIOR GROCERS	161326	NC	E37735	9/15/2016	9/15/2016	203	maintain and provide complete engine operation logs and post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
SUPERIOR GROCERS	161326	NC	E37735	9/15/2016	9/15/2016	206	maintain and provide complete engine operation logs and post permit to operate within 8 meters of equipment	<u>CLOSED/RESOLVED</u>
SYUFY ENTER.	7699	NC	E41772	5/30/2018	5/30/2018	1150.1(f)(3)	Submit annual 1150.1report to SCAQMD	<u>CLOSED/RESOLVED</u>
TELL STEEL, INC	20882	NC	E36440	5/4/2016	5/4/2016	203	PROVIDE AND MAINTAIN THROUGHPUT RECORDS TO DEMONSTRATE COMPLIANCE WITH PERMIT CONDITIONS	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS LONG BEACH TERMINAL	172878	NC	E07164	8/30/2017	8/30/2017	1142(g)	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(g)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS LONG BEACH TERMINAL	172878	NC	E07164	8/30/2017	8/30/2017	42303	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(g)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO LOGISTICS MARINE TERMINAL 2	176377	NC	E07163	8/30/2017	8/30/2017	1142(g)	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(g)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS MARINE TERMINAL 2	176377	NC	E07163	8/30/2017	8/30/2017	42303	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(g)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS MARINE TERMINAL 2	176377	NC	E42416	1/4/2018	1/4/2018	PERP 2460	Failure to contact the district within 45 days.	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS TERMINAL 1 (BERTH 121)	176389	NC	E07165	8/31/2017	8/31/2017	1142	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(h)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS TERMINAL 1 (BERTH 121)	176389	NC	E07165	8/31/2017	8/31/2017	42303	Provide operation records for January 1, 2017 to August 30, 2017 as required by R1142(h)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS, CARSON CRUDE TERMINAL	174694	NOV	P56574	10/4/2017	8/25/2015	3002(c)(1)	Failure to properly maintain tanks (403 & 405); Title V Deviations _ failed to submit a written report w/in 14 days of discovery.	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	NOV	P67704	8/30/2018	8/7/2018	462(D)(1)(F)	Facility vapor leak greater than 3000 ppm detected at the loading head on Lane 4, Arm 44.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO LOGISTICS, WILMINGTON TERMINAL	167981	NC	E40788	8/31/2018	8/16/2018	3002(c)(1)	Resubmit Title V 500 SAM with correct due date	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS, CARSON PROD TERMINAL	174703	NOV	P65313	9/15/2017	8/23/2017	462(D)(1)(F)	Facility vapor leaks from loading rack no. 2 (loading arm 22)	<u>CLOSED/RESOLVED</u>
TESORO LOGISTICS, CARSON PROD TERMINAL	174703	NC	E40787	8/31/2018	8/16/2018	3002(c)(1)	Resubmit Title V 500 SAM with correct due date	<u>CLOSED/RESOLVED</u>
TESORO REF & MKT P. HONG #68626	152027	NC	E41499	6/7/2018	6/7/2018	41960.2e	Repair rotated faceplate at Nozzle # 4; Repair or replace orange dry break cap at South UST - handle broken/will not close fully; Install AQMD Signage (with complaint # 800-242-4020) at all dispensers; PV Valve suspected to be out of specs - provide 2018	<u>CLOSED/RESOLVED</u>
TESORO REF & MKT P. HONG #68626	152027	NC	E41499	6/7/2018	6/7/2018	461(c)(1)(A)(iv); (c)(3)(G); (c)(3)(I)(ii)	Repair rotated faceplate at Nozzle # 4; Repair or replace orange dry break cap at South UST - handle broken/will not close fully; Install AQMD Signage (with complaint # 800-242-4020) at all dispensers; PV Valve suspected to be out of specs - provide 2018	<u>CLOSED/RESOLVED</u>
TESORO REF & MKTG CO LLC, CALCINER	174591	NC	E34292	11/28/2017	5/1/2016	2004(b)(1)	Failure to submit a timely QCER for Quarter 1 of 2016	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P45981	4/27/2016	3/29/2016	1173	1) District inspectors detected leaks greater than 50,000 ppm VOC from components in light liquid/gas/vapor service. 2) District inspectors detected vapor leaks greater than 500 ppm VOC from waste water components	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P45981	4/27/2016	3/29/2016	1176(E)(1)	1) District inspectors detected leaks greater than 50,000 ppm VOC from components in light liquid/gas/vapor service. 2) District inspectors detected vapor leaks greater than 500 ppm VOC from waste water components	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P58238	6/21/2017	5/2/2017	1173(d)(1)(B)	1) Light service leak of 50,000 ppm or greater _ 1 count, 2) waste water emissions of 500ppm or greater _ 3 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P58238	6/21/2017	5/2/2017	1176(E)(1)	1) Light service leak of 50,000 ppm or greater _ 1 count, 2) waste water emissions of 500ppm or greater _ 3 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P58239	6/21/2017	5/3/2017	1173(d)(1)(B)	1) Light service leak of 50,000 ppm or greater _ 1 count, 2) waste water emissions of 500ppm or greater _ 1 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P58239	6/21/2017	5/3/2017	1176(E)(1)	1) Light service leak of 50,000 ppm or greater _ 1 count, 2) waste water emissions of 500ppm or greater _ 1 counts	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P58240	6/21/2017	5/9/2017	1176(E)(1)	waste water emissions of 500ppm or greater _ 1 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65601	8/16/2017	6/6/2016	1178	3002(c)(1) Facility Title V Permit; 463(c)(3)(c) Failure to vent to a fuel gas system or vapor recovery system with 95% or greater control efficiency; 1178(d)(4)(A)(i) Failure to vent tank emissions to emissions control with 95% or greater efficiency	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65601	8/16/2017	6/6/2016	3002(C)(1)	3002(c)(1) Facility Title V Permit; 463(c)(3)(c) Failure to vent to a fuel gas system or vapor recovery system with 95% or greater control efficiency; 1178(d)(4)(A)(i) Failure to vent tank emissions to emissions control with 95% or greater efficiency	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65601	8/16/2017	6/6/2016	40 CFR 60	3002(c)(1) Facility Title V Permit; 463(c)(3)(c) Failure to vent to a fuel gas system or vapor recovery system with 95% or greater control efficiency; 1178(d)(4)(A)(i) Failure to vent tank emissions to emissions control with 95% or greater efficiency	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65601	8/16/2017	6/6/2016	463(C)(3)(C)	3002(c)(1) Facility Title V Permit; 463(c)(3)(c) Failure to vent to a fuel gas system or vapor recovery system with 95% or greater control efficiency; 1178(d)(4)(A)(i) Failure to vent tank emissions to emissions control with 95% or greater efficiency	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65602	8/23/2017	1/1/2016	3002(C)(1)	3002(c)(1) Facility Title V Permit_ See attachment of descriptions.	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	1118	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	1173	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	1189	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	3002(C)(1)	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	401(A)(1)	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	60SUBPA RTA	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	60SUBPA RTGGGA	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	60SUBPA RTJ	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	61SUBPA RTFF	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65607	10/10/2017	7/1/2015	63SUBPA RTCC	R3002(c)(1) De_Nox steam was lost GTG 93 (D1236), Opacity > 20% for > 3 min in hr.; R1173(h)(1) Acoustic monitors exceeded 48 hrs. of downtime; R1189 Excess emissions based on high readings during source test;	<u>CLOSED/RESOLVED</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65615	6/12/2018	5/5/2018	402	Discharge of air contaminants which caused injury, detriment, nuisance, or annoyance to a considerable No. of people. Discharge of air contaminants which caused the above, or endangered the comfort, repose, health, or safety to persons or the public.	<u>OPEN/PENDING</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65615	6/12/2018	5/5/2018	41700	Discharge of air contaminants which caused injury, detriment, nuisance, or annoyance to a considerable NO. of people. Discharge of air contaminants which caused the above, or endangered the comfort, repose, health, or safety to persons or the public.	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P67804	9/26/2018	7/1/2016	3002(C)(1)	Issued for self reported Cycle 2 Compliance Year 2016 Title V deviations	<u>OPEN/PENDING</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P67807	9/26/2018	7/1/2017	3002(C)(1)	Issued for self reported Cycle 2 Compliance Year 2017 Title V deviations	<u>OPEN/PENDING</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65113	12/13/2018	12/13/2018	1173(d)(1)(b)	Light Service Vapor Leak > 50,000 ppm; 2 counts	<u>OPEN/PENDING</u>
TESORO REFINING & MARKETING CO, LLC	174655	NOV	P65112	12/14/2018	12/12/2018	1173(d)(1)(b)	Light Service Vapor Leak > 50,000 ppm ; 2 counts	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NOV	P64028	10/30/2017	1/1/2016	3002(C)(1)	R3002(c)(1) Self reported Title V deviations for the first half of 2016. Violation dates: 01/01/2016 _ 06/30/2016	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NOV	P67805	9/26/2018	7/1/2016	3002(C)(1)	Issued for self-reported 2H 2016 Title V deviations	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NOV	P67806	9/26/2018	1/1/2017	3002(C)(1)	Issued for self-reported 2017 Title V deviations	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E27778	12/3/2017	1/1/2016	2004(e)(1), 2004(b)(4)	Report large source total monthly mass emissions of NOx electronically and process unit quarterly mass emissions of NOx electronically. Submit accurate QCERs and APEP. Use conventional rounding.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E27778	12/3/2017	1/1/2016	2011(d)(2)(B)	Report large source total monthly mass emissions of NOx electronically and process unit quarterly mass emissions of NOx electronically. Submit accurate QCERs and APEP. Use conventional rounding.	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E27778	12/3/2017	1/1/2016	2012(d)(2)(B), 2012(e)(2)(B),	Report large source total monthly mass emissions of NOx electronically and process unit quarterly mass emissions of NOx electronically. Submit accurate QCERs and APEP. Use conventional rounding.	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2011(c)(3)(B)	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2011APP ENDIX A Ch. 5	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2011(C)(3)(A)	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2012APP EN A, Ch. 7	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2012(C)(3)(A)	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Violation Description	Enforcement Action Case Status
TESORO REFINING AND MARKETING CO, LLC	151798	NC	E40316	7/24/2018	3/20/2018	2012(C)(3)(B)	Submit daily NOx and Sox Major Source (MS) electronic emission report on time [2012/2011(c)(3)(A)]; submit monthly aggregate electronic report for NOx and SOx for MS [2012/2011(c)(3)(B)]; Submit quarterly aggregate electronic report for NOx MS and Large S	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P63366	9/30/2016	8/23/2016	1173	Detected leaks greater than 50,000 ppm VOC from components in light liquid/gas/vapor service. Detected vapor leaks greater than 500 ppm VOC from wastewater components during an inspection	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P63366	9/30/2016	8/23/2016	1176(E)(1)	Detected leaks greater than 50,000 ppm VOC from components in light liquid/gas/vapor service. Detected vapor leaks greater than 500 ppm VOC from wastewater components during an inspection	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P63369	8/23/2017	12/31/2014	3002(C)(1)	3002(c)(1) Issued for self-reported Title V deviations. Please see attached	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P63370	8/23/2017	7/1/2015	3002(C)(1)	3002(c)(1) Issued for self-reported Title V deviations. Please see attached	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64024	8/23/2017	8/1/2017	1176(e)(1)	(1) 1176(e)(1) Wastewater emissions above 500 ppm _1 count; (2) 40 CFR 60 Subpart QQQ section 60.692_2(a)(1) No water seal control 1_count	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Violation Description	Enforcement Action Case Status
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64024	8/23/2017	8/1/2017	40 CFR 60 Subpart QQQ section 60.692-2(a)(1)	(1) 1176(e)(1) Wastewater emissions above 500 ppm _1 count; (2) 40 CFR 60 Subpart QQQ section 60.692_2(a)(1) No water seal control 1_ count	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64025	8/23/2017	8/2/2017	1173(d)(1)(B)	(1) 1173(d)(1)(B) Light service leak above 50,000 ppm _ 7 counts; (2) 1178(d)(4)(A)(ii) Sample hatch not in vapor tight condition _ 1 count	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64025	8/23/2017	8/2/2017	1178(d)(4)(A)(ii)	(1) 1173(d)(1)(B) Light service leak above 50,000 ppm _ 7 counts; (2) 1178(d)(4)(A)(ii) Sample hatch not in vapor tight condition _ 1 count	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64026	8/23/2017	8/3/2017	1173(d)(1)(B)	1173(d)(1)(B) Light Service leak above 50,000 ppm _ 1 count; 1176(e)(1) Wastewater emissions above 500ppm _ 3 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64026	8/23/2017	8/3/2017	1176(E)(1)	1173(d)(1)(B) Light Service leak above 50,000 ppm _ 1 count; 1176(e)(1) Wastewater emissions above 500ppm _ 3 counts	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64031	10/30/2017	1/1/2016	3002(C)(1)	R3002(c)(1) Self-reported Title V deviation. Please see attached table. Violation date 01/01/2016 _ 06/30/2016	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P64036	10/30/2017	7/1/2016	3002(C)(1)	Rule 3002(c)(1) Please see attached table. Violation dates 07/01/2016 _ 12/31/2016	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P60589	11/10/2017	1/1/2016	2004(e)(1), 2004(b)(4)	Failed to submit accurate QCERs and APEP for the 1st, 2nd, 3rd and 4th Qtrs. of 2016 Compliance Year.	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P65110	11/30/2018	11/13/2018	1173(d)(1)(b)	Light Service Vapor Leak > 50,000 ppm; 2 Counts, Leak on wastewater system > 500 ppm; 1 count	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P65110	11/30/2018	11/13/2018	1176(E)(1)	Light Service Vapor Leak > 50,000 ppm; 2 Counts, Leak on wastewater system > 500 ppm; 1 count	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NOV	P65111	11/30/2018	11/14/2018	1176(E)(1)	Leak on Wastewater System > 500 ppm ; 1 count	<u>OPEN/PENDING</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NC	E27776	10/15/2017	12/10/2015	2012 Appendix A attachment B,5	Failed to update the bias adjustment factors to the CEMS data from the time and date of the failed bias test for devices D89 and D90.	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NC	E39938	7/17/2018	3/20/2018	2011(e)(7)	Electronically report all R219 Exempt Equipment NOx and SOx emissions by fuel type using the appropriate record identifiers.	<u>CLOSED/RESOLVED</u>
TESORO REFINING AND MARKETING CO, LLC	800436	NC	E39938	7/17/2018	3/20/2018	2012(g)(7)	Electronically report all R219 Exempt Equipment NOx and SOx emissions by fuel type using the appropriate record identifiers.	<u>CLOSED/RESOLVED</u>
THUMS LONG BEACH	800330	NOV	P65301	10/13/2016	9/1/2016	1176(E)(1)	Vapor leaks greater than 500 ppm VOC detected from wastewater system (skim basin).	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
THUMS LONG BEACH	800330	NOV	P65302	10/13/2016	9/9/2016	1176(E)(1)	Vapor leaks greater than 500 ppm VOC detected from wastewater system (WEMCO).	<u>CLOSED/RESOLVED</u>
THUMS LONG BEACH	800330	NC	E37226	10/13/2016	9/1/2016	2004(b)(1)	Correct Quarterly NOx emissions within the reconciliation period unless the error is caused by conditions beyond reasonable control as per Rule 2004(c)(1). Calculate and report emissions associated with a hot water heater and heaters used for space heating	<u>CLOSED/RESOLVED</u>
THUMS LONG BEACH	800330	NC	E37226	10/13/2016	9/1/2016	2012 Appendix A, Chapter 4, (F)(1)(a)	Correct Quarterly NOx emissions within the reconciliation period unless the error is caused by conditions beyond reasonable control as per Rule 2004(c)(1). Calculate and report emissions associated with a hot water heater and heaters used for space heating	<u>CLOSED/RESOLVED</u>
THUMS LONG BEACH	800330	NC	E37235	8/23/2018	8/23/2018	1148.2(e)(4)	Electronically report to the SCAQMD specific information on the chemicals used during well drilling, well completion, and well rework activities no later than 60 days after the activities are completed.	<u>CLOSED/RESOLVED</u>
THUMS LONG BEACH CO	129497	NC	E38804	5/11/2017	5/11/2017	2012App x A Att C (B)(1)(a)(i)	Use calibration gas of the appropriate concentration to meet the 0_20% and 80_100% for the 0_15 ppm range NOx analyzer	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
THUNDER STUDIOS, INC	176909	NC	176909	3/2/2016	3/2/2016	203	INSTALL GAS METER ON SPRAY BOOTH, MAINTAIN DAILY USAGE LOG, DON'T EXCEED 10K CF PER DAY	<u>CLOSED/RESOLVED</u>
THUNDER STUDIOS, INC	176909	NC	E35112	3/22/2016	3/22/2016	203(B)	Install non-resettable totalizing time meter on spray booth with P/O G30808, maintain a daily natural gas usage log, and do not exceed 10,000 cubic feet of natural gas/day.	<u>CLOSED/RESOLVED</u>
TIDELANDS OIL PRODUCTION CO	800325	NC	C56872	11/8/2016	9/12/2016	3002 , 3004(a)(4)(f) and Section K, Condition 23 of Title V Facility Permit	Submit 500-5AM report in timely manner.	<u>CLOSED/RESOLVED</u>
TIDELANDS OIL PRODUCTION CO	800325	NC	E40780	11/7/2017	10/26/2017	2004(b)(1)	Failure to submit quarterly certification of emission reports QCERS on or before 30 days following the end of the 2nd quarter.	<u>OPEN/PENDING</u>
TIDELANDS OIL PRODUCTION CO	800325	NC	E37241	9/20/2018	9/20/2018	3002(C)(1)	Resubmit TITLE V 500_SAM with correct due date	<u>CLOSED/RESOLVED</u>
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	NOV	P60579	1/12/2017	1/1/2016	2004(e),(b)(4)	1. Failed to perform annual Relative Accuracy Test Audit assessment for device D6. 2) Failed to submit accurate QCER and APEP for Compliance Year 2015.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	NOV	P60579	1/12/2017	1/1/2016	2012 Appendix A Attachment C-B2a	1. Failed to perform annual Relative Accuracy Test Audit assessment for device D6. 2) Failed to submit accurate QCER and APEP for Compliance Year 2015.	<u>CLOSED/RESOLVED</u>
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	NOV	P64425	10/30/2018	10/19/2017	2012 Attachment C, B2a and Attachment C, B1	1. Failure to perform a RATA for D6 by the 6/30/18 due date 2. failure to perform calibration error testing for D6 on operating days 10/19/17 and 10/20/17	<u>OPEN/PENDING</u>
TIDELANDS OIL PRODUCTION COMPANY ETAL	68118	NC	E27771	12/27/2016	7/1/2015	42303	Provide records listed in the email dated 12_21_2016. Email records to gwu@aqmd.gov.	<u>CLOSED/RESOLVED</u>
TOTAL TERMINALS LLC	139128	NOV	P71168	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217317219	<u>CLOSED/RESOLVED</u>
TTX COMPANY	183265	NOV	P71186	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217317394	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60360	9/2/2016	6/8/2016	1173(d)(1)(B)	(1) Five leaks >50,000 ppm VOC (2) Vapor leak >500 ppm VOC from wastewater component (3) opening in manhole cover (4) Four process drains without water seal	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ULTRAMAR INC	800026	NOV	P60360	9/2/2016	6/8/2016	1176(E)(1)	(1) Five leaks >50,000 ppm VOC (2) Vapor leak >500 ppm VOC from wastewater component (3) opening in manhole cover (4) Four process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60360	9/2/2016	6/8/2016	40 CFR 60 Subpart QQQ	(1) Five leaks >50,000 ppm VOC (2) Vapor leak >500 ppm VOC from wastewater component (3) opening in manhole cover (4) Four process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60362	1/13/2017	1/1/2015	2004	1) Inaccurate certification of quarterly emissions in RECLAIM cycle/compliance year 2015 2) Failure to correctly apply missing data procedure.	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60363	8/24/2017	6/27/2017	1176(E)(1)	1176(e)(1) _ Five (5) vapor leaks over 500ppm VOC from drain system components.	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60364	8/24/2017	6/28/2017	1173(d)(1)(B)	(1) 1173(d)(1)(B) Two leaks over 50,000ppm VOC from component in light liquid/vapor service; (2) 1176(e)(1) one vapor leak over 500ppm VOC from a drain system component; (3 &4) One process drain without water seal	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ULTRAMAR INC	800026	NOV	P60364	8/24/2017	6/28/2017	1173(d)(1)(B)	(1) 1173(d)(1)(B) Two leaks over 50,000ppm VOC from component in light liquid/vapor service; (2) 1176(e)(1) one vapor leak over 500ppm VOC from a drain system component; (3 &4) One process drain without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60364	8/24/2017	6/28/2017	1176(E)(1)	(1) 1173(d)(1)(B) Two leaks over 50,000ppm VOC from component in light liquid/vapor service; (2) 1176(e)(1) one vapor leak over 500ppm VOC from a drain system component; (3 &4) One process drain without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60364	8/24/2017	6/28/2017	40 CFR	(1) 1173(d)(1)(B) Two leaks over 50,000ppm VOC from component in light liquid/vapor service; (2) 1176(e)(1) one vapor leak over 500ppm VOC from a drain system component; (3 &4) One process drain without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60365	8/24/2017	6/29/2017	1176	(1) 1176(e)(1) Vapor leak over 500ppm VOC from drain system component; (2 & 3) Wiper seal on gauge well pulled back; A visible opening on tank 94_TK_9005, at wiper seal for gauge well; (4 &5) Two process drains without water seal	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ULTRAMAR INC	800026	NOV	P60365	8/24/2017	6/29/2017	1176(E)(1)	(1) 1176(e)(1) Vapor leak over 500ppm VOC from drain system component; (2 & 3) Wiper seal on gauge well pulled back; A visible opening on tank 94_TK_9005, at wiper seal for gauge well; (4 & 5) Two process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60365	8/24/2017	6/29/2017	1178	(1) 1176(e)(1) Vapor leak over 500ppm VOC from drain system component; (2 & 3) Wiper seal on gauge well pulled back; A visible opening on tank 94_TK_9005, at wiper seal for gauge well; (4 & 5) Two process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60365	8/24/2017	6/29/2017	40 CFR	(1) 1176(e)(1) Vapor leak over 500ppm VOC from drain system component; (2 & 3) Wiper seal on gauge well pulled back; A visible opening on tank 94_TK_9005, at wiper seal for gauge well; (4 & 5) Two process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60365	8/24/2017	6/29/2017	463(C)(1)(D)	(1) 1176(e)(1) Vapor leak over 500ppm VOC from drain system component; (2 & 3) Wiper seal on gauge well pulled back; A visible opening on tank 94_TK_9005, at wiper seal for gauge well; (4 & 5) Two process drains without water seal	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60367	9/7/2017	1/1/2015	3002(C)(1)	Self-Reported Title V deviations for 2015 compliance year, for first half	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ULTRAMAR INC	800026	NOV	P60367	9/7/2017	1/1/2015	407	Self-Reported Title V deviations for 2015 compliance year, for first half	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60366	9/28/2017	6/28/2017	1118(c)(1)(B), (c)(4)	1) R401(b)(1) & R1118(c)(1)(B)Visible Emissions from Refinery Flare C403; 2) R402 Discharge of air contaminants that caused a public nuisance; 3) R1118(c)(4) Failure to minimize Flaring; 4) Failure to comply with Title V conditions	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60366	9/28/2017	6/28/2017	3002(C)(1) - S56.1, H23.30, D323.2	1) R401(b)(1) & R1118(c)(1)(B)Visible Emissions from Refinery Flare C403; 2) R402 Discharge of air contaminants that caused a public nuisance; 3) R1118(c)(4) Failure to minimize Flaring; 4) Failure to comply with Title V conditions	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60366	9/28/2017	6/28/2017	401(B)	1) R401(b)(1) & R1118(c)(1)(B)Visible Emissions from Refinery Flare C403; 2) R402 Discharge of air contaminants that caused a public nuisance; 3) R1118(c)(4) Failure to minimize Flaring; 4) Failure to comply with Title V conditions	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P60366	9/28/2017	6/28/2017	402	1) R401(b)(1) & R1118(c)(1)(B)Visible Emissions from Refinery Flare C403; 2) R402 Discharge of air contaminants that caused a public nuisance; 3) R1118(c)(4) Failure to minimize Flaring; 4) Failure to comply with Title V conditions	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
ULTRAMAR INC	800026	NOV	P63562	12/19/2017	1/1/2016	2004(e)	Submitted inaccurate QCERs for quarters 1, 2, & 3 of the 2016 CY	<u>CLOSED/RESOLVED</u>
ULTRAMAR INC	800026	NOV	P63376	9/7/2018	9/3/2018	3002(C)(1)	USING FUEL GAS CONTAINING MORE THAN 100 PPM SULFUR BY VOLUME	<u>OPEN/PENDING</u>
ULTRAMAR INC	800026	NOV	P63377	10/3/2018	7/1/2017	3002(C)(1)	RULE 3002 (C)(1) ISSUED FOR SELF REPORTED TITLE V DEVIATIONS. SEE ATTACHED	<u>OPEN/PENDING</u>
ULTRAMAR INC	800026	NOV	P63378	10/3/2018	1/1/2018	3002(C)(1)	RULE 3002 (C)(1) ISSUED FOR SELF REPORTED TITLE V DEVIATIONS. SEE ATTACHED	<u>OPEN/PENDING</u>
ULTRAMAR INC	800026	NOV	P63381	10/12/2018	10/9/2018	1173	1173 AND 1176 VOC GREATER THAN ALLOWED LIMIT	<u>OPEN/PENDING</u>
ULTRAMAR INC	800026	NOV	P63382	10/12/2018	10/10/2018	1173(d)(1)(B)	RULE 1173 (d)(1)(B) - DISTRICT INSPECTORS DETECTED LEAKS GREATER THAN 50,000PPM VOC	<u>OPEN/PENDING</u>
ULTRAMAR INC	800198	NC	E07787	8/31/2017	8/31/2017	1142	R1172(h) _ Provide in electronic format all records of all loading, lightering, ballasting and housekeeping events conducted in District waters, from January 1, 2017 through August 30, 2017	<u>CLOSED/RESOLVED</u>
UNION PACIFIC RAILROAD	122101	NC	E37704	8/25/2016	8/25/2016	42303	provide daily usage records for silica to demonstrate compliance with permit conditions	<u>CLOSED/RESOLVED</u>
UNITED FAMILY LLC	160523	NOV	P72401	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6801	<u>OPEN/PENDING</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
UNITED FAMILY LLC	160523	NC	E38737	5/23/2017	5/23/2017	461(c)(2)(B), (e)(6)(B)	Re_map nozzle #6 to ISD (only two grades mapped); Ensure all ISD alarms are logging in ISD Alarm Log; Ensure all "test manually cleared" events and dispenser re-enabled events have associated maintenance records.	<u>CLOSED/RESOLVED</u>
UNITED RENTAL	145733	NOV	P64208	4/22/2016	4/22/2016	461	operating gasoline dispensing equipment with a major defect	<u>CLOSED/RESOLVED</u>
UNITED RENTAL	145733	NOV	P64220	1/10/2017	6/1/2016	461	failure to conduct reverification tests in the same month each year	<u>CLOSED/RESOLVED</u>
UNITED RENTAL	145733	NC	E35854	4/22/2016	4/22/2016	42303	PROVIDE ANNUAL THROUGHPUT AND REVERIFICATION TESTS FOR GASOLINE DISPENSING EQUIPMENT.	<u>CLOSED/RESOLVED</u>
US COAST GUARD ISC SAN PEDRO	4722	NC	E29961	8/16/2016	8/16/2016	2202	Submit overdue Rule 2202 plan and fees	<u>CLOSED/RESOLVED</u>
US GOVT, FED CORRECTIONAL INST (FCI)	25248	NOV	P71390	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1085	<u>OPEN/PENDING</u>
VALERO WILMINGTON ASPHALT PLANT	800393	NOV	P60359	4/6/2016	8/6/2015	1173(d)(1)(B)	1) Leak over 100,000 ppm VOC at Heater H-1 (Device D13) 2) Failure to comply with condition number E153A (for permit 800393) and failure to comply with facility permit condition 16 of permit number F96700, ID number 104280 (Envent Corporation)	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
VALERO WILMINGTON ASPHALT PLANT	800393	NOV	P60359	4/6/2016	8/6/2015	3002(c)(1)	1) Leak over 100,000 ppm VOC at Heater H-1 (Device D13) 2) Failure to comply with condition number E153A (for permit 800393) and failure to comply with facility permit condition 16 of permit number F96700, ID number 104280 (Envent Corporation)	<u>CLOSED/RESOLVED</u>
VALERO WILMINGTON ASPHALT PLANT	800393	NOV	P60361	9/2/2016	8/10/2016	1173(d)(1)(B)	Leaks greater than 50,000 ppm VOC at Heater H-1	<u>CLOSED/RESOLVED</u>
VAZQUEZ BODY REPAIR	133484	NC	E07566	1/27/2017	1/27/2017	203	Repair torn filters on paint spray booth.	<u>CLOSED/RESOLVED</u>
VAZQUEZ BODY REPAIR	133484	NC	E07584	6/15/2018	6/15/2018	109	(1) Repair manometer and filters on paint spray booth; (2) Provide coating usage and VOC logs.	<u>CLOSED/RESOLVED</u>
VAZQUEZ BODY REPAIR	133484	NC	E07584	6/15/2018	6/15/2018	1151	(1) Repair manometer and filters on paint spray booth; (2) Provide coating usage and VOC logs.	<u>CLOSED/RESOLVED</u>
VAZQUEZ BODY REPAIR	133484	NC	E07584	6/15/2018	6/15/2018	203	(1) Repair manometer and filters on paint spray booth; (2) Provide coating usage and VOC logs.	<u>CLOSED/RESOLVED</u>
VICTORIA GOLF COURSE	112037	NOV	P71277	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217313945	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
VILI GROUP INC	178964	NOV	P65731	9/12/2017	8/14/2015	203(A)	Operating a gasoline dispensing facility without a valid AQMD Permit to Operate (Incorrect equipment description, permit shows Phase I OPW VR_102, Site is operating CNI VR_104)	<u>CLOSED/RESOLVED</u>
VILI GROUP INC	178964	NC	E40498	9/12/2017	9/12/2017	461(e)(6)(D)	Provide Monthly gasoline throughput records for 2015 through 2017 (Gasoline only, no diesel)	<u>CLOSED/RESOLVED</u>
VONS FUEL CENTER #1625	127286	NOV	P72009	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9165	<u>OPEN/PENDING</u>
VOPAK TERMINAL LONG BEACH INC,A DELAWARE	137722	NC	E07788	8/31/2017	8/31/2017	1142	R1142(h) _ Provide records in an electronic format of all loading, lightering, ballasting, and housekeeping events (including emergency venting) conducted in District waters from January 1, 2017 through August 30, 2017	<u>CLOSED/RESOLVED</u>
VOPAK TERMINAL LOS ANGELES, INC.	6586	NC	E07789	8/31/2017	8/31/2017	1142	R1142(h) _ Provide records in an electronic format of all loading, lightering, ballasting, and housekeeping events (including emergency venting) conducted in District waters from January 1, 2017 through August 30, 2017	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
WARREN E&P, INC	144681	NOV	P66505	7/5/2018	6/24/2018	203(b)	Failure to report to Executive Officer by telephone at 1800_CUT_SMOG, any circumstance which affects the operator's ability to sell the gas as specified in condition #7 within 24 hours of when the operator knows or should have known of such circumstance.	<u>OPEN/PENDING</u>
WARREN E&P, INC	144681	NOV	P66508	7/27/2018	7/10/2018	1148.2	The operator of an onshore oil or gas well shall electronically notify the Executive Officer, using a format approved by the Executive Officer, of the following information [R1148.2(d)(1)(A-E)], no more than ten (10) calendar days (See Equipment Section)	<u>OPEN/PENDING</u>
WARREN E&P, INC	144681	NC	C98792	7/8/2016	6/22/2016	430	Report breakdowns of gas sales system to AQMD(800-CUT-SMOG) within one hour of reasonably knowing per Rule 430	<u>CLOSED/RESOLVED</u>
WARREN E&P, INC	144681	NC	E37237	8/23/2018	8/23/2018	1148.2(e) (4)	Electronically report to the SCAQMD specific information on the chemicals used during well drilling, well completion, and well rework activities no later than 60 days after the activities are completed.	<u>CLOSED/RESOLVED</u>
WASTE MANAGEMENT, INC.	47634	NOV	P70958	12/1/2017	3/2/2017	461(c)(3) (Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217316144	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
WATSON LEGACY 219	158964	NC	E38332	1/3/2017	1/3/2017	42303	provide engine operation records, engine hour reading, and proof that permit to operate is maintained within 8 meters of equipment	<u>OPEN/PENDING</u>
WEST COAST SANDBLASTING, INC.	162265	NC	E38338	12/15/2016	12/15/2016	109	maintain VOC records, collect dust in closed containers, and only process materials containing less than 0.015% hex chrome and/or less than 10% nickel	<u>CLOSED/RESOLVED</u>
WEST COAST SANDBLASTING, INC.	162265	NC	E38338	12/15/2016	12/15/2016	203	maintain VOC records, collect dust in closed containers, and only process materials containing less than 0.015% hex chrome and/or less than 10% nickel	<u>CLOSED/RESOLVED</u>
WEST COAST SANDBLASTING, INC.	162265	NC	E42414	12/29/2017	12/29/2017	PERP 2460	Failure to contact the district within 45 days.	<u>CLOSED/RESOLVED</u>
WEST COAST SANDBLASTING, INC.	162265	NC	E41781	1/18/2018	1/18/2018	PERP 2458(a)	Maintain records for units with CARB registrations	<u>CLOSED/RESOLVED</u>
WEST COAST SANDBLASTING, INC.	162265	NC	E41791	2/21/2018	2/21/2018	TITLE13A RTICLE5S	File for change of ownership on PERP registration within 30 days of purchase	<u>OPEN/PENDING</u>
WESTERN FUEL GROUP, INC	180438	NOV	P64321	4/15/2016	4/15/2016	41954	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - FAULTY INSERTION INTERLOCK MECHANISM NOZZLE #8 - FAILED CHECK B.	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
WESTERN FUEL GROUP, INC	180438	NOV	P64321	4/15/2016	4/15/2016	41960.2	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - FAULTY INSERTION INTERLOCK MECHANISM NOZZLE #8 - FAILED CHECK B.	<u>CLOSED/RESOLVED</u>
WESTERN FUEL GROUP, INC	180438	NOV	P64321	4/15/2016	4/15/2016	461(C)	OPERATING A GASOLINE DISPENSING FACILITY WITH A MAJOR DEFECT - FAULTY INSERTION INTERLOCK MECHANISM NOZZLE #8 - FAILED CHECK B.	<u>CLOSED/RESOLVED</u>
WESTERN FUEL GROUP, INC	180438	NC	E45456	11/14/2018	11/14/2018	461(c)(1)(A)(i), (c)(3)(G), (e)(6)(C)	Repair/replace fill tube caps in 91 and main 87 tank that both are missing the gasket. Ensure AQMD required decals are posted at all fueling points (missing or faded at pumps 1, 10, and 12). Provide Methodology 6 dynamic backpressure test results.	<u>CLOSED/RESOLVED</u>
WILLOW CLEANERS	16151	NC	E35114	3/23/2016	3/23/2016	42303	PROVIDE OPERATION RECORDS, NATURAL GAS BILLS, ATCM CERTIFICATE, AND PROOF GASKETS AND COOLING COILS HAVE BEEN SERVICED	<u>CLOSED/RESOLVED</u>
WILMINGTON PARK INC	154445	NOV	P70643	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1296	<u>CLOSED/RESOLVED</u>

Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	Enforcement Action Case Status
WILMINGTON PARK INC	154445	NOV	P72313	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 2179	<u>OPEN/PENDING</u>
WILMINGTON PARK INC	154445	NC	E44868	8/2/2018	8/2/2018	203(B)	Provide all ISD alarm log records for the last two years. Ensure Rule 461 required signage is posted at all fueling points. Replace torn boot on #1. Ensure breakaway on #2 is installed correctly (missing band). Provide VST weekly inspections for last 2	<u>CLOSED/RESOLVED</u>
WILMINGTON PARK INC	154445	NC	E44868	8/2/2018	8/2/2018	461 (c2B), (c3G), (d1A), (d4A), (e6B)	Provide all ISD alarm log records for the last two years. Ensure Rule 461 required signage is posted at all fueling points. Replace torn boot on #1. Ensure breakaway on #2 is installed correctly (missing band). Provide VST weekly inspections for last 2	<u>CLOSED/RESOLVED</u>
XEROX	183624	NC	E40137	8/9/2017	8/9/2017	203	203b maintain hour logs for ice generator	<u>CLOSED/RESOLVED</u>
Y&S UPHOLSTERY INC DBA A-1 AUTO REPAIR	177105	NC	E36313	6/30/2016	6/30/2016	109	203(a): Obtain valid permit to operate for PSBs; 109: Maintain Proper VOC records	<u>CLOSED/RESOLVED</u>
Y&S UPHOLSTERY INC DBA A-1 AUTO REPAIR	177105	NC	E36313	6/30/2016	6/30/2016	203	203(a): Obtain valid permit to operate for PSBs; 109: Maintain Proper VOC records	<u>CLOSED/RESOLVED</u>
YUSEN LOGISTICS (AMERICAS), INC.	145470	NC	E40406	5/24/2017	5/24/2017	203	obtain permit to operate fire pump	<u>CLOSED/RESOLVED</u>



Facility Name	Facility ID	Notice Type	Notice #	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	<del>Violation</del> Description	<u>Enforcement Action</u> <u>Case Status</u>
YUSEN TERMINALS LLC	139464	NC	E40733	10/20/2017	10/17/2017	TITLE13A RTICLE5S (f)	Maintain a copy of the registration certificate with the equipment	<u>CLOSED/RESOLVED</u>

## CARB Compliance History in WCWLB, January 2016 to December 2018 (Compiled from CARB Visualization Tool Data)

## CARB Vehicle and Fuels Enforcement History

Year	HDVIP - ECL	Off-Road	STB	Fuels	Total
<b>Total 2016 Inspections</b>	20	0	20	246	286
<b>Total 2016 NCU</b>	0	0	0	0	0
<b>% Compliant 2016</b>	100%	N/A	100%	100%	100%
<b>Total 2017 Inspections</b>	0	3	0	290	293
<b>Total 2017 NCU</b>	0	3	0	15	18
<b>% Compliant 2017</b>	N/A	0%	N/A	95%	94%
<b>Total 2018 Inspections</b>	0	1	0	208	209
<b>Total 2018 NCU</b>	0	0	0	1	1
<b>% Compliant 2018</b>	N/A	100%	N/A	99.5%	99.5%
<b>Total 2016 - 2018 Inspections</b>	20	4	20	744	788
<b>Total 2016 - 2018 Non-compliant units</b>	0	3	0	16	19
<b>% Compliant 2016 - 2018</b>	100%	25%	100%	98%	98%

## List of HDDV Inspections Conducted

Location	Drayage	HDVIP			Idling	Off-Road	STB	Smart Way	TRU	SWCV	Fuels	Total
		DEF	ECL	SO/T								
<b>Year: 2016</b>												
<b>Pier A St, Wilmington, CA 90744</b>			14				14					<b>28</b>
<b>Pier Dock @ Pier S, San Pedro, CA 90731</b>			6				6					<b>12</b>
<b>Port of LA, 2200 John S Gibson Blvd, San Pedro, CA 90731</b>											18	<b>18</b>
<b>Wilmington Refinery, 2402 E Anaheim St, Wilmington, CA 90744</b>											11	<b>11</b>

<b>Petro Diamond Inc., 1920 Lugger Way, Long Beach, CA 90813</b>											23	<b>23</b>
<b>Wilmington Refinery, 2201 E Pacific Coast Highway, Wilmington, CA 90744</b>											43	<b>43</b>
<b>Carson Terminal, 2000 E Sepulveda Blvd, Carson, CA 90810</b>											30	<b>30</b>
<b>Carson Terminal, 2149 Sepulveda Blvd, Carson, CA 90810</b>											3	<b>3</b>
<b>Carson Refinery, 2350 E 223rd St, Carson, CA 90749</b>											86	<b>86</b>
<b>Valero at Shell, 20945 S Wilmington Ave, Carson, CA 90746</b>											32	<b>32</b>
<b>Total 2016 Inspections (Non- compliant)</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>246</b>	<b>286 (0)</b>
<b>Year: 2017</b>												
<b>1500 LONG BEACH BLVD (GARDEN HOME), LONG BEACH, CA 90808</b>						1 (1)						<b>1</b>
<b>Carson St and Normandie Ave, Torrance, CA 90501</b>						2 (2)						<b>2</b>
<b>Wilmington Refinery, 1660 W Anaheim St, Wilmington, CA 90744</b>											8	<b>8</b>
<b>Port of LA, 2200 John S Gibson Blvd, San Pedro, CA 90731</b>											12	<b>12</b>
<b>Mormon Island, Berth 168, Wilmington, CA 90744</b>											24 (14)	<b>24</b>
<b>Speedy Fuels Station, 710 E D St, Wilmington, CA 90744</b>											1	<b>1</b>

Wilmington Refinery, 2402 E Anaheim St, Wilmington, CA 90744											6	6
Petro Diamond Inc., 1920 Lugger Way, Long Beach, CA 90813											34	34
Wilmington Refinery, 2201 E Pacific Coast Highway, Wilmington, CA 90744											39	39
Carson Terminal, 2000 E Sepulveda Blvd, Carson, CA 90810											40	40
Carson Refinery, 2350 E 223rd St, Carson, CA 90749											76	76
Valero at Shell, 20945 S Wilmington Ave, Carson, CA 90746											50 (1)	50 (1)
<b>Total 2017 Inspections (Non-compliant)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3 (3)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>290 (15)</b>	<b>293 (18)</b>
<b>Year: 2018</b>												
20100 N ALAMEDA ST ROAMNG, COMPTON, CA 90222						1						1
LA Harbor Terminal 1900 Wilmington, San Pedro, CA 90733											12	12
Mormon Island Berth 167-169, Wilmington, CA 90744											27	27
Long Beach Terminal 1920 Lugger Way, Long Beach, CA 90813											13	13
Wilmington Refinery 2402 E Anaheim St, Wilmington, CA 90744											3	3

<b>Wilmington Refinery 2201 E Pacific Coast Highway, Wilmington, CA 90744</b>											14	<b>14</b>
<b>Carson Terminal 2000 E Sepulveda Blvd, Carson, CA 90810</b>											22	<b>22</b>
<b>Carson Refinery 2350 E 223rd St, Carson, CA 90749</b>											91 (1)	<b>91 (1)</b>
<b>Carson Terminal 20945 S Wilmington Ave, Carson, CA 90746</b>											26	<b>26</b>
<b>Total 2016 - 2018 Inspections (Non-compliant)</b>			<b>20</b>			<b>4 (3)</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>744 (16)</b>	<b>788 (19)</b>

\*(Non-compliant vehicles, units, samples are in parentheses); HDVIP = Heavy-duty Vehicle Inspection Program; DEF = Diesel Emissions Fluid; ECL = Emissions Control Label; SO/T = Smoke Opacity/Tampering; TRU = Transportation Refrigeration Unit; STB = Statewide Truck and Bus; SWCV = Solid Waste Collection Vehicle.

#### CARB Marine Enforcement History

Type	Cargo Handling Equipment	Commercial Harbor Craft	Ocean Going Vessels	Shore Power	Total
<b>Total 2016 - 2018 Inspections</b>	28	78	2712	74	2892
<b>Total 2016 - 2018 Non-compliant units</b>	0	12	38	0	50
<b>Total 2016 - 2018 Pending cases</b>	28	8	0	2	38

#### List of Marine Inspections Conducted

Type/Location*	Cargo Handling Equipment	Commercial Harbor Craft	Ocean Going Vessel	Shore Power	Total
2018 Inspections/POLB	1	0	250	0	251
2018 Non-compliant/POLB	0	0	2	0	2
2018 Pending/POLB	1	0	0	0	1

2017 Inspections/POLB	5	7	165	2	179
2017 Non-compliant/POLB	0	0	4	0	4
2017 Pending/POLB	5	0	0	0	5
2016 Inspections/POLB	0	0	421	2	423
2016 Non-compliant/POLB	0	0	3	0	3
2016 Pending/POLB	0	0	0	0	0
2015 Inspections/POLB	0	0	425	2	427
2015 Non-compliant/POLB	0	0	7	1	8
2015 Pending/POLB	0	0	0	0	0
2017 Inspections/UP	1	0	0	0	1
2017 Non-compliant/UP	0	0	0	0	0
2017 Pending/UP	1	0	0	0	1
2017 Inspections/Keep on Trucking	1	0	0	0	1
2017 Non-compliant/Keep on Trucking	0	0	0	0	0
2017 Pending/Keep on Trucking	1	0	0	0	1
2015 Inspections/POLB/POLA	0	0	0	14	14
2015 Non-compliant/POLB/POLA	0	0	0	0	0
2015 Pending/POLB/POLA	0	0	0	0	0
2017 Inspections/POLB/POLA	0	2	0	13	15

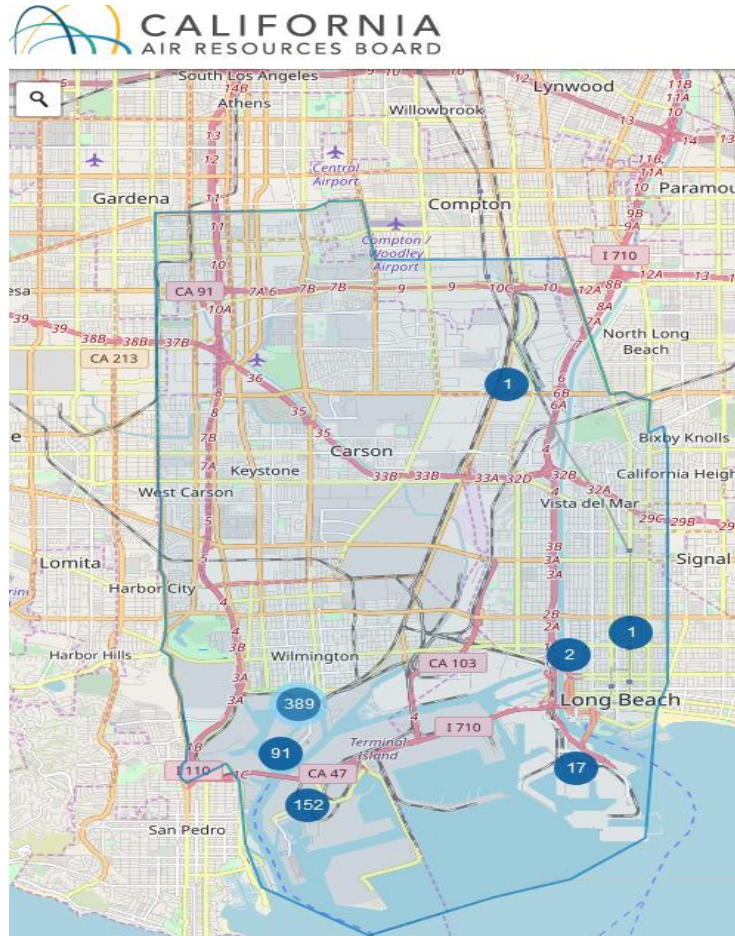
2017 Non-compliant/POLB/POLA	0	0	0	0	0
2017 Pending/POLB/POLA	0	0	0	1	1
2016 Inspections/POLB/POLA	0	0		11	11
2016 Non-compliant /POLB/POLA	0	0		0	0
2016 Pending/POLB/POLA	0	0		0	0
2015 Inspections/POLA	0	0	304	3	307
2015 Non-compliant /POLA	0	0	15	0	15
2015 Pending/POLA	0	0	0	0	0
2018 Inspections/POLA	0	0	107	0	107
2018 Non-compliant /POLA	0	0	1	0	1
2017 Inspections/POLA	6	30	94	4	134
2017 Non-compliant /POLA	0	6	6	0	12
2017 Pending/POLA	6	4	0	0	10
2016 Inspections/POLA	0	0	319	5	324
2016 Non-compliant /POLA	0	0	3	0	3
2016 Pending/POLA	0	0	0	0	0
Total 2015 Inspections (All locations)	0	0	729	19	748
Total 2015 Non-compliant (All locations)	0	0	22	1	23

Total 2015 Pending Cases (All locations)	0	0	0	0	0
Total 2016 Inspections (All locations)	0	0	740	18	758
Total 2016 Non-compliant (All locations)	0	0	6	0	6
Total 2016 Pending Cases (All locations)	0	0	0	0	0
Total 2017 Inspections (All locations)	13	39	259	19	330
Total 2017 Non-compliant (All locations)	0	6	10	0	16
Total 2017 Pending Cases (All locations)	13	4	0	1	18
Total 2018 Inspections (All locations)	1	0	357	0	358
Total 2018 Non-compliant (All locations)	0	0	3	0	3
Total 2018 Pending Cases (All locations)	1	0	0	0	1
<b>Total 2015 - 2018 Inspections (All locations)</b>	<b>14</b>	<b>39</b>	<b>2085</b>	<b>56</b>	<b>2194</b>
<b>Total 2015 - 2018 Non-compliant (All locations)</b>	<b>0</b>	<b>6</b>	<b>41</b>	<b>1</b>	<b>48</b>
<b>Total 2015 - 2018 Pending Cases (All locations)</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>19</b>

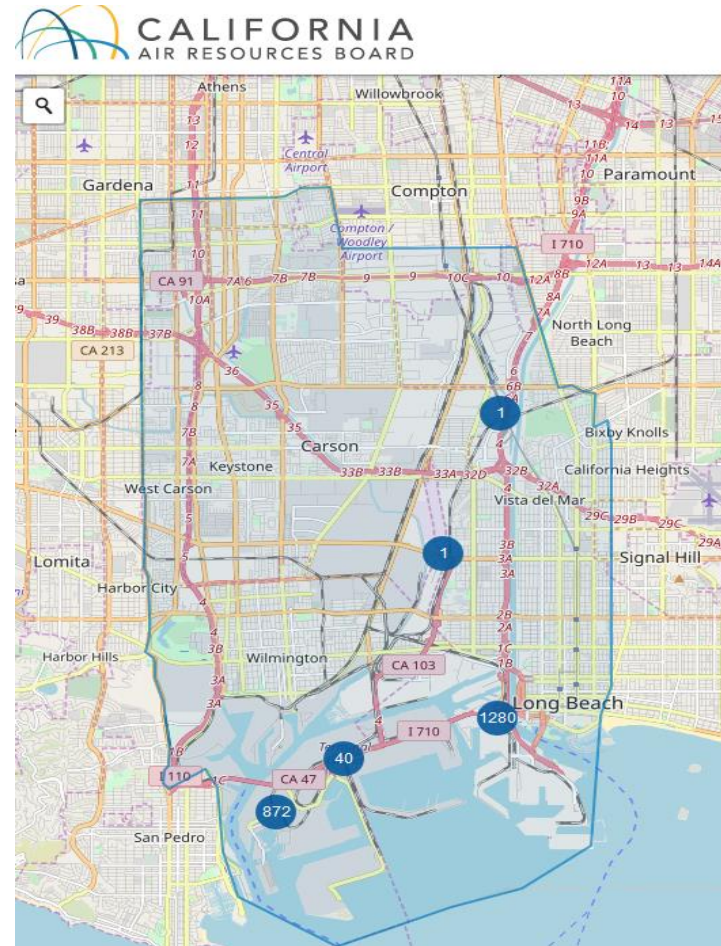


\*POLB = Port of Long Beach, 201 Pico Av., LB 90802; UP = Union Pacific Intermodal Container Transfer Facility, 2401 East Sepulveda Blvd, Long Beach, CA 90810; Keep on Trucking = 3025 E. Dominguez St., Carson 90810; POLB/POLA = Port of Long Beach/Port of Los Angeles, 390 Navy Way, San Pedro, CA 90731; POLA = Port of Los Angeles, 389 Terminal Way, San Pedro, CA 90731

### 2018 Enforcement Activities Map



**Diesel vehicle activity 2015 – 2018**



**Port activity 2015 -2018**

CARB Visualization Tool - <https://webmaps.arb.ca.gov/edvs/>; June 2019

## CARB Supplemental Environmental Project Process

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP). Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the WCWLB community through the proposal process.

Proposals of projects that meet the following four requirements: reducing direct/indirect air emissions or exposure to air pollution, relates to the violation, does not benefit the violator, and goes above and beyond regulatory requirements can be submitted for consideration for future settlements through the SEP proposal form (<https://calepa.ca.gov/sep-proposal-form>). Six SEPs have been funded in South Coast AQMD's jurisdiction including paid environmental education internships, planting trees, writing articles to inform community about air pollution and resources, conducting research (e.g., air monitoring, truck traffic survey), and school air quality education programs and filtration systems.

## Further Information on Technology Used for Compliance Investigations

### Toxic Vapor Analyzer

*Toxic Vapor Analyzers (TVA):* Using a Flame Ionization Detector (FID) or Photoionization Detector (PID), this instrument is capable of detecting a wide variety of organic and inorganic compounds. The unit must be calibrated to identify specific compounds. Any day that the instrument is used for conducting compliance inspections, a trained inspector calibrates the equipment to a set calibration standard depending on the inspection type. For example, in an oil and gas process leak inspection to identify VOCs, a 3-Point Methane Calibration Curve is used.

This instrument displays concentrations of the gas it is calibrated to in parts per million (ppm), also known as the number of molecules of that gas per one million molecules of air. Inspectors can use TVAs to identify organic and inorganic vapors according to a standard set by the US Environmental Protection Agency (EPA) Method 21 – Determination of Volatile Organic Compound Leaks.<sup>vi</sup> This document from EPA sets the standard for the specifications and performance criteria of the instrument, as well as the process of identifying a leak.

### Infrared Cameras

*Infrared Cameras:* Using infrared cameras equipped with Optical Gas Imaging (OGI) technology, inspectors can detect hydrocarbon leaks at a variety of facilities, including those in the oil and gas industry. The device uses a non-contact technology which identifies the infrared energy (heat) of a specific gas and converts it into an electronic signal. This signal is processed into an image, giving inspectors the ability to view emissions that would otherwise be invisible to the naked eye.

Using Infrared OGI cameras enables inspectors to scan areas for emissions and quickly gain an overall representation for any large leaks there may be at a facility. The technology generally used by OCE is specifically calibrated to methane, enabling users to visibly identify VOC leaks. Inspectors can follow up with a TVA to quantify

<sup>vi</sup> <https://www.epa.gov/emc/method-21-volatile-organic-compound-leaks>

the leak. Inspectors who use this equipment have training through a multi-day course to understand the technology, uses, and limitations.

#### XRF

*X-Ray Fluorescence (XRF):* A handheld instrument which uses a non-destructive method to determine the chemistry of a sample. The device sends an x-ray to the sample that displaces the electrons, causing a release of energy. The energy released is measured by the special detector to analyze the chemistry of the sample. Inspectors can scan surfaces for the presence of toxic metals to identify sources of contamination and fugitive emissions.

#### H<sub>2</sub>S Analyzer

*H<sub>2</sub>S Analyzers (Jerome Meters):* A handheld instrument that can detect hydrogen sulfide in the air. This device takes in a small sample of air and provides a reading on the amount of H<sub>2</sub>S within a few seconds, down to levels in the parts per billion (ppb) range. This instrument serves as a safety tool for inspectors conducting an inspection in an area with potential H<sub>2</sub>S and can be used to identify a potential source of rotten egg type odors.

#### CARB Statewide Truck and Bus Regulation

CARB is achieving compliance with the Statewide Truck and Bus Regulation (STB), section 2025 of Title 13, California Code of Regulations (CCR) ~~(STB)~~ by 2023 via a streamlined auditing process. STB requires diesel trucks with a Gross Vehicle Weight Rating (GVWR) greater than 14,000 pounds that operate in California to install diesel particulate filters or replace older engines with cleaner engine technology on a phased-in schedule based on the model year of the engine and GVWR. CARB staff process data from vehicle registration, compliance reporting, and inspection databases to identify potentially non-compliant fleets and prioritize them for enforcement action.

In April 2017, the Governor signed Senate Bill 1 (SB1) into law which included a provision that, beginning in 2020, a vehicle must demonstrate compliance with the STB regulation before it can be registered with the Department of Motor Vehicles (DMV). Beginning in 2020, the DMV, in conjunction with data provided by CARB, will deny vehicle registration to non-compliant heavy-duty diesel vehicles (HDDV) based on the model year of the HDDV, so that by the end of 2023, 100% compliance will be achieved for the truck and bus rule

#### Summary

Both South Coast AQMD and CARB are committed to working closely with the CSC to identify and investigate area quality issues in the community. For the mobile sources regulated by CARB, this will include actively enhancing enforcement activities through a combination of improved complaint reporting, more focused inspections, and report-back meetings to update the CSC on the status of inspections and to obtain additional areas of mobile source concern. CARB plans to have, at a minimum, annual meetings with the CSC in order to prioritize strategies and identify possible locations where non-compliant vehicles are present. CARB will report-back to the community with the number of inspections performed and the number of citations and/or Notices of Violations (NOVs) issued. Further information about CARB's and South Coast AQMD's commitments can be found in Chapter 5.

---

# APPENDIX 5B:

## REFINERIES

---

THIS PAGE IS INTENTIONALLY LEFT BLANK

## Appendix 5b: Refineries

### Rules and Regulations Applicable to Refineries and Related Facilities

Petroleum refineries, sulfur recovery plants, and hydrogen production plants are subject to rules and regulations, including, but not limited to, those adopted by the South Coast AQMD and regulations adopted by the U.S. EPA. The South Coast AQMD rules, as listed and U.S. EPA regulations listed below, are primarily focused address on refinery and related facility equipment and related operations. Administrative rules for permitting exemptions, New Source Review for new and modified sources for criteria pollutants or toxics, and source-specific rules regulating toxic air contaminants are not included. Refineries and their related facilities are additionally subject to South Coast AQMD regulations and rules such as general provisions or prohibitions. The South Coast AQMD rules and regulations are listed by the rule/regulation number, title of the rule/regulation, date of rule adoption or amendment, and a hyperlink to the rule/regulation language. A complete list of South Coast AQMD rules are available at: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book>. The U.S. EPA regulations are available at: [https://www.ecfr.gov/cgi-bin/text-idx?gp=&SID=0bd285c07143d1e24bc9b1c58799fd33&mc=true&tpl=/ecfrbrowse/Title40/40tab\\_02.tpl](https://www.ecfr.gov/cgi-bin/text-idx?gp=&SID=0bd285c07143d1e24bc9b1c58799fd33&mc=true&tpl=/ecfrbrowse/Title40/40tab_02.tpl).

### South Coast AQMD Rules

Rule or Regulation Number	Rule Title	Date of Adoption or Last Amendment	Rule or Rule Regulation Language
<u>463</u>	<u>Organic Liquid Storage</u>	<u>November 4, 2011</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-463.pdf">http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-463.pdf</a>
<u>1105<sup>1</sup></u>	<u>Fluid Catalytic Cracking Units - Oxides of Sulfur</u>	<u>September 1, 1984</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1105-fluid-catalytic-cracking-units---oxides-of-sulfur.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1105-fluid-catalytic-cracking-units---oxides-of-sulfur.pdf</a>
1105.1	Reduction of PM10 and Ammonia Emissions from Fluid Catalytic Cracking Units	November 3, 2003	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1105-1.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1105-1.pdf</a>



Rule or Regulation Number	Rule Title	Date of Adoption or Last Amendment	Rule or Rule-Regulation Language
<u>1109<sup>1</sup></u>	<u>Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries</u>	<u>August 5, 1988</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1109.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1109.pdf</a>
1114	Petroleum Refinery Coking Operations	May 3, 2013	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1114.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1114.pdf</a>
1118	Control of Emissions from Refinery Flares	July 7, 2017	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1118.pdf</a>
<u>1119<sup>1</sup></u>	<u>Petroleum Coke Calcining Operations - Oxides of Sulfur</u>	<u>March 2, 1979</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1119.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1119.pdf</a>
<u>1123</u>	<u>Refinery Process Turnarounds</u>	<u>December 7, 1990</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1123.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1123.pdf</a>
<u>1149</u>	<u>Storage Tank and Pipeline Cleaning and Degassing</u>	<u>May 2, 2008</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1149.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1149.pdf</a>
1173	Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants	February 6, 2009	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1173.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1173.pdf</a>
<u>1176</u>	<u>VOC Emissions from Wastewater Systems</u>	<u>September 13, 1996</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1176.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1176.pdf</a>

<sup>1</sup> Facilities operating under the provisions of the RECLAIM program are required to comply concurrently with all provisions of South Coast AQMD rules, except those provisions applicable to NOx emissions under the rules listed in Table 1 of Rule 2001 – Applicability adopted or amended prior to October 5, 2018, and those provisions applicable respectively to SOx emissions of the listed South Coast AQMD rules in Table 2 of Rule 2001 which have initial implementation dates in 1994.

Rule or Regulation Number	Rule Title	Date of Adoption or Last Amendment	Rule or Regulation Language
<u>1178</u>	<u>Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities</u>	<u>April 6, 2018</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1178.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1178.pdf</a>
1180	Refinery Fenceline and Community Air Monitoring	December 1, 2017	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1180.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1180.pdf</a>
<u>1189</u>	<u>Emission from Hydrogen Plant Process Vents</u>	<u>January 21, 2000</u>	<a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1189.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1189.pdf</a>
2000 – 2020	Regional Clean Air Incentives Market (RECLAIM)	<del>n/a</del> Varies	<a href="http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xx">http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xx</a>
3000 – 3008	Title V Permits	<del>n/a</del> Varies	<a href="http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxx">http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxx</a>

#### U.S. EPA

Regulation Number	<del>Rule</del> Regulation Title	Regulation Language
Title 40 Code of Federal Regulations, Part 60	Standards of Performance for New Stationary Sources	<a href="https://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40cfr60_main_02.tpl">https://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40cfr60_main_02.tpl</a>
Title 40 Code of Federal Regulations, Part 61	National Emission Standards for Hazardous Air Pollutants	<a href="https://www.ecfr.gov/cgi-bin/text-idx?SID=b7047ecc29ae267d320cbdb1a8210779&amp;mc=true&amp;node=pt40.10.61&amp;rgn=div5">https://www.ecfr.gov/cgi-bin/text-idx?SID=b7047ecc29ae267d320cbdb1a8210779&amp;mc=true&amp;node=pt40.10.61&amp;rgn=div5</a>
Title 40 Code of Federal Regulations, Part 63	National Emission Standards for Hazardous Air Pollutants for Source Categories	<a href="https://www.ecfr.gov/cgi-bin/text-idx?SID=e4a79356e89faea0e6812c9ed789eea&amp;mc=true&amp;node=pt40.16.63&amp;rgn=div5">https://www.ecfr.gov/cgi-bin/text-idx?SID=e4a79356e89faea0e6812c9ed789eea&amp;mc=true&amp;node=pt40.16.63&amp;rgn=div5</a>



Regulation Number	<del>Rule</del> Regulation Title	Regulation Language
<u>Title 40 Code of Federal Regulations, Part 68</u>	<u>Chemical Accident Prevention Provisions</u>	<a href="https://ecfr.io/Title-40/pt40.17.68">https://ecfr.io/Title-40/pt40.17.68</a>
<u>Title 40 Code of Federal Regulations, Part 112</u>	<u>Oil Pollution Prevention</u>	<a href="https://ecfr.io/Title-40/pt40.24.112">https://ecfr.io/Title-40/pt40.24.112</a>

# Inventory of Boilers and Heaters at Petroleum Refineries

Boilers and heaters are commonly used in petroleum refineries to heat crude oil during the distillation process and for other processes. The table below provides a list of boilers and heater units at petroleum refineries in the Wilmington, Carson, West Long Beach Community. The table specifies the type of units (equipment category), unit size based on rated heating value (MMBTU/hr), source of fuel (refinery or natural gas), whether the emissions from each unit are monitored using a continuous emissions monitoring system (CEMS), the annual emissions from each unit (year 2016 NOx and PM emissions in pounds per year), the type of emission controls on each unit (ultra-low NOx burners, Low NOx burners, and/or Selective Catalytic Reduction), and whether the unit is subject to BARCT.

Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
TESORO REFINING & MARKETING CO, LLC	552867	Boiler/Heater	550	Y	RG	112,212	23,116	Y	N	Y
	552796	Boiler/Heater	150	Y	RG	30,233	1,466	Y	N	Y
	552804	Boiler/Heater	130	Y	RG	32,299	1,961	Y	N	Y
	552799	Boiler/Heater	100	Y	RG	20,876	2,902	Y	N	Y
	552828	Boiler/Heater	300	Y	NG	17,983	1,906	Y	Y	Y
	552833	Boiler/Heater	120	Y	RG	27,827	1,586	Y	N	Y
	552937	Boiler/Heater	130	Y	RG	38,415	2,955	Y	N	Y
	552896	Boiler/Heater	130	Y	RG	35,378	2,000	Y	N	Y

Appendix 5b-5

<u>Facility</u>	<u>Equipment Specifications and Emissions</u>							<u>NOx Control</u>		<u>BARCT Assessment</u>
<u>Facility Name</u>	<u>Application Number</u>	<u>Equipment Category</u>	<u>Size (MMBTU/hr)</u>	<u>CEMS (Y/N)</u>	<u>Primary Fuel Type</u>	<u>Compliance Year 2016 Emissions (lbs/year)</u>		<u>Ultra-Low/Low NOx Burners</u>	<u>Selective Catalytic Reduction (SCR)</u>	<u>Subject to BARCT</u>
						<u>NOx</u>	<u>PM</u>			
	<u>552891</u>	<u>Boiler/Heater</u>	<u>130</u>	<u>Y</u>	<u>RG</u>	<u>32,353</u>	<u>2,616</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552962</u>	<u>Boiler/Heater</u>	<u>255</u>	<u>Y</u>	<u>RG</u>	<u>37,232</u>	<u>3,718</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552797</u>	<u>Boiler/Heater</u>	<u>310</u>	<u>Y</u>	<u>RG</u>	<u>59,137</u>	<u>13,931</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552802</u>	<u>Boiler/Heater</u>	<u>171</u>	<u>Y</u>	<u>RG</u>	-	-	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>552806</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>9,327</u>	<u>1,014</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552959</u>	<u>Boiler/Heater</u>	<u>52</u>	<u>Y</u>	<u>RG</u>	<u>10,655</u>	<u>768</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
<u>TESORO REFINING &amp; MARKETING CO, LLC</u>	<u>552965</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>8,892</u>	<u>916</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552922</u>	<u>Boiler/Heater</u>	<u>24</u>	<u>N</u>	<u>RG</u>	<u>6,350</u>	<u>223</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552930</u>	<u>Boiler/Heater</u>	<u>10</u>	<u>N</u>	<u>RG</u>	<u>2,739</u>	<u>316</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552926</u>	<u>Boiler/Heater</u>	<u>11</u>	<u>N</u>	<u>RG</u>	<u>2,263</u>	<u>150</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552943</u>	<u>Boiler/Heater</u>	<u>52</u>	<u>Y</u>	<u>RG</u>	<u>4,576</u>	<u>2,275</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552936</u>	<u>Boiler/Heater</u>	<u>82</u>	<u>Y</u>	<u>RG</u>	<u>8,911</u>	<u>3,630</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552919</u>	<u>Boiler/Heater</u>	<u>80</u>	<u>Y</u>	<u>RG</u>	<u>23,638</u>	<u>950</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552934</u>	<u>Boiler/Heater</u>	<u>22</u>	<u>N</u>	<u>RG</u>	<u>4,984</u>	<u>386</u>	<u>Y</u>	<u>N</u>	<u>Y</u>

Appendix 5b-6

<u>Facility</u>	<u>Equipment Specifications and Emissions</u>							<u>NOx Control</u>		<u>BARCT Assessment</u>
<u>Facility Name</u>	<u>Application Number</u>	<u>Equipment Category</u>	<u>Size (MMBTU/hr)</u>	<u>CEMS (Y/N)</u>	<u>Primary Fuel Type</u>	<u>Compliance Year 2016 Emissions (lbs/year)</u>		<u>Ultra-Low/Low NOx Burners</u>	<u>Selective Catalytic Reduction (SCR)</u>	<u>Subject to BARCT</u>
						<u>NOx</u>	<u>PM</u>			
	<u>552939</u>	<u>Boiler/Heater</u>	<u>12.5</u>	<u>N</u>	<u>NG</u>	<u>2,586</u>	<u>74</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552815</u>	<u>Boiler/Heater</u>	<u>650</u>	<u>Y</u>	<u>RMG</u>	<u>88,596</u>	<u>8,320</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>552818</u>	<u>Boiler/Heater</u>	<u>427</u>	<u>Y</u>	<u>NG/PG</u>	<u>23,464</u>	<u>2,460</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>553164</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>7,954</u>	<u>809</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552899</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>6,222</u>	<u>979</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552925</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>6,605</u>	<u>1,795</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
<u>TESORO REFINING &amp; MARKETING CO, LLC</u>	<u>552940</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RG</u>	<u>5,696</u>	<u>351</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>552945</u>	<u>Boiler/Heater</u>	<u>173</u>	<u>Y</u>	<u>RG</u>	<u>53,117</u>	<u>11,223</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469279</u>	<u>Boiler/Heater</u>	<u>45</u>	<u>Y</u>	<u>RG</u>	<u>19,228</u>	<u>1,598</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469913</u>	<u>Boiler/Heater</u>	<u>69</u>	<u>Y</u>	<u>RG</u>	<u>76,781</u>	<u>2,872</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>469917</u>	<u>Boiler/Heater</u>	<u>48.6</u>	<u>Y</u>	<u>RG</u>	<u>17,419</u>	<u>1,385</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469919</u>	<u>Boiler/Heater</u>	<u>203.8</u>	<u>Y</u>	<u>RG</u>	<u>22,295</u>	<u>1,332</u>	-	<u>N</u>	<u>Y</u>
	<u>469929</u>	<u>Boiler/Heater</u>	<u>63.2</u>	<u>Y</u>	<u>RG</u>	<u>2,471</u>	<u>1,701</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>469990</u>	<u>Boiler/Heater</u>	<u>145.97</u>	<u>Y</u>	<u>RG</u>	<u>13,814</u>	<u>23,852</u>	-	<u>Y</u>	<u>Y</u>

Appendix 5b-7

Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
	<u>469992</u>	<u>Boiler/Heater</u>	<u>139.5</u>	<u>Y</u>	<u>RG</u>	<u>5,319</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469994</u>	<u>Boiler/Heater</u>	<u>47.6</u>	<u>Y</u>	<u>RG</u>	<u>5,113</u>	<u>2,527</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>469995</u>	<u>Boiler/Heater</u>	<u>23.5</u>	<u>N</u>	<u>RG</u>	<u>1,993</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469997</u>	<u>Boiler/Heater</u>	<u>47.6</u>	<u>Y</u>	<u>RG</u>	<u>4,459</u>	<u>2,000</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>469998</u>	<u>Boiler/Heater</u>	<u>71.4</u>	<u>Y</u>	<u>RG</u>	<u>8,691</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>470000</u>	<u>Boiler/Heater</u>	<u>147</u>	<u>Y</u>	<u>RG</u>	<u>24,170</u>	<u>15,487</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
<u>TESORO REFINING &amp; MARKETING CO, LLC</u>	<u>509444</u>	<u>Boiler/Heater</u>	<u>198.98</u>	<u>Y</u>	<u>RG</u>	<u>78,366</u>	<u>9,456</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>509460</u>	<u>Boiler/Heater</u>	<u>218.4</u>	<u>Y</u>	<u>RG</u>	<u>101,638</u>	<u>6,115</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469243</u>	<u>Boiler/Heater</u>	<u>252</u>	<u>Y</u>	<u>RG</u>	<u>45,198</u>	<u>94,610</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>469957</u>	<u>Boiler/Heater</u>	<u>81</u>	<u>Y</u>	<u>RG</u>	-	-	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>469958</u>	<u>Boiler/Heater</u>	<u>76.8</u>	<u>Y</u>	<u>RG</u>	-	-	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>469960</u>	<u>Boiler/Heater</u>	<u>60</u>	<u>Y</u>	<u>RG</u>	<u>14,429</u>	<u>2,869</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>470285</u>	<u>Boiler/Heater</u>	<u>31.4</u>	<u>N</u>	<u>RG</u>	<u>3,250</u>	<u>16,363</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>470286</u>	<u>Boiler/Heater</u>	<u>31.4</u>	<u>N</u>	<u>RG</u>	<u>8,961</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469962</u>	<u>Boiler/Heater</u>	<u>55.8</u>	<u>Y</u>	<u>RG</u>	<u>4,169</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>

Appendix 5b-8

<u>Facility</u>	<u>Equipment Specifications and Emissions</u>							<u>NOx Control</u>		<u>BARCT Assessment</u>
<u>Facility Name</u>	<u>Application Number</u>	<u>Equipment Category</u>	<u>Size (MMBTU/hr)</u>	<u>CEMS (Y/N)</u>	<u>Primary Fuel Type</u>	<u>Compliance Year 2016 Emissions (lbs/year)</u>		<u>Ultra-Low/Low NOx Burners</u>	<u>Selective Catalytic Reduction (SCR)</u>	<u>Subject to BARCT</u>
						<u>NOx</u>	<u>PM</u>			
	<u>469964</u>	<u>Boiler/Heater</u>	<u>36.1</u>	<u>N</u>	<u>RG</u>	<u>4,365</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469970</u>	<u>Boiler/Heater</u>	<u>82.2</u>	<u>Y</u>	<u>RG</u>	<u>10,900</u>	<u>3,625</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>469974</u>	<u>Boiler/Heater</u>	<u>49.9</u>	<u>Y</u>	<u>RG</u>	<u>12,747</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469976</u>	<u>Boiler/Heater</u>	<u>28.5</u>	<u>N</u>	<u>RG</u>	<u>6,375</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>469986</u>	<u>Boiler/Heater</u>	<u>35</u>	<u>N</u>	<u>RG</u>	<u>6,869</u>	<u>1,157</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>509650</u>	<u>Boiler/Heater</u>	<u>69</u>	<u>Y</u>	<u>RG</u>	-	-	<u>Y</u>	<u>N</u>	<u>Y</u>
<u>TESORO REFINING &amp; MARKETING CO, LLC</u>	<u>470234</u>	<u>Boiler/Heater</u>	<u>183.54</u>	<u>Y</u>	<u>RG</u>	<u>78,583</u>	<u>8,051</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>470235</u>	<u>Boiler/Heater</u>	<u>183.54</u>	<u>Y</u>	<u>RG</u>	<u>70,754</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>470240</u>	<u>Boiler/Heater</u>	<u>183.54</u>	<u>Y</u>	<u>RG</u>	<u>112,663</u>	<u>9,885</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>470240</u>	<u>Boiler/Heater</u>	<u>183.54</u>	<u>Y</u>	<u>RG</u>	<u>129,763</u>	-	<u>Y</u>	<u>N</u>	<u>Y</u>
<u>PHILLIPS 66 CO/LOS ANGELES REFINERY</u>	<u>535219</u>	<u>Boiler/Heater</u>	<u>350</u>	<u>Y</u>	<u>RMG</u>	<u>142,663</u>	<u>21,550</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>535222</u>	<u>Boiler/Heater</u>	<u>153.6</u>	<u>Y</u>	<u>RMG</u>	<u>31,468</u>	<u>2,734</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535224</u>	<u>Boiler/Heater</u>	<u>153.6</u>	<u>Y</u>	<u>RMG</u>	<u>31,049</u>	<u>12,989</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535229</u>	<u>Boiler/Heater</u>	<u>175</u>	<u>Y</u>	<u>RMG</u>	<u>34,873</u>	<u>5,702</u>	<u>Y</u>	<u>N</u>	<u>Y</u>

Appendix 5b-9

<u>Facility</u>	<u>Equipment Specifications and Emissions</u>							<u>NOx Control</u>		<u>BARCT Assessment</u>
<u>Facility Name</u>	<u>Application Number</u>	<u>Equipment Category</u>	<u>Size (MMBTU/hr)</u>	<u>CEMS (Y/N)</u>	<u>Primary Fuel Type</u>	<u>Compliance Year 2016 Emissions (lbs/year)</u>		<u>Ultra-Low/Low NOx Burners</u>	<u>Selective Catalytic Reduction (SCR)</u>	<u>Subject to BARCT</u>
						<u>NOx</u>	<u>PM</u>			
	<u>535230</u>	<u>Boiler/Heater</u>	<u>175</u>	<u>Y</u>	<u>RMG</u>	<u>31,073</u>	<u>2,895</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535238</u>	<u>Boiler/Heater</u>	<u>70</u>	<u>Y</u>	<u>RMG</u>	<u>34,525</u>	<u>2,495</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>535241</u>	<u>Boiler/Heater</u>	<u>22</u>	<u>N</u>	<u>NG</u>	<u>3,808</u>	<u>104</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>535242</u>	<u>Boiler/Heater</u>	<u>340</u>	<u>Y</u>	<u>RMG</u>	<u>177,253</u>	<u>12,605</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535487</u>	<u>Boiler/Heater</u>	<u>352</u>	<u>Y</u>	<u>RMG</u>	<u>31,656</u>	<u>25,842</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>535488</u>	<u>Boiler/Heater</u>	<u>352</u>	<u>Y</u>	<u>RMG</u>	<u>190,640</u>	<u>7,490</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
<u>PHILLIPS 66 CO/LA REFINERY WILMINGTON PL</u>	<u>535181</u>	<u>Boiler/Heater</u>	<u>27</u>	<u>N</u>	<u>RMG</u>	<u>2,280</u>	<u>331</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535182</u>	<u>Boiler/Heater</u>	<u>60.2</u>	<u>Y</u>	<u>RMG</u>	<u>46,744</u>	<u>1,270</u>	-	<u>N</u>	<u>Y</u>
	<u>535183</u>	<u>Boiler/Heater</u>	<u>35</u>	<u>N</u>	<u>RMG</u>	<u>4,600</u>	<u>660</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535184</u>	<u>Boiler/Heater</u>	<u>17</u>	<u>N</u>	<u>RMG</u>	<u>4,260</u>	<u>615</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535188</u>	<u>Boiler/Heater</u>	<u>41.3</u>	<u>Y</u>	<u>NG</u>	<u>588</u>	<u>2,947</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>535186</u>	<u>Boiler/Heater</u>	<u>76</u>	<u>Y</u>	<u>RMG</u>	<u>17,876</u>	<u>662</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535187</u>	<u>Boiler/Heater</u>	<u>27</u>	<u>N</u>	<u>RMG</u>	<u>3,928</u>	<u>511</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535302</u>	<u>Boiler/Heater</u>	<u>350</u>	<u>Y</u>	<u>RMG</u>	<u>14,611</u>	<u>8,760</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Appendix 5b-10

<u>Facility</u>	<u>Equipment Specifications and Emissions</u>							<u>NOx Control</u>		<u>BARCT Assessment</u>
<u>Facility Name</u>	<u>Application Number</u>	<u>Equipment Category</u>	<u>Size (MMBTU/hr)</u>	<u>CEMS (Y/N)</u>	<u>Primary Fuel Type</u>	<u>Compliance Year 2016 Emissions (lbs/year)</u>		<u>Ultra-Low/Low NOx Burners</u>	<u>Selective Catalytic Reduction (SCR)</u>	<u>Subject to BARCT</u>
						<u>NOx</u>	<u>PM</u>			
	<u>535303</u>	<u>Boiler/Heater</u>	<u>460</u>	<u>Y</u>	<u>RMG</u>	<u>11,938</u>	<u>2,105</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>535306</u>	<u>Boiler/Heater</u>	<u>39</u>	<u>N</u>	<u>RMG</u>	<u>6,816</u>	<u>986</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535307</u>	<u>Boiler/Heater</u>	<u>17</u>	<u>N</u>	<u>RMG</u>	<u>2,068</u>	<u>299</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535308</u>	<u>Boiler/Heater</u>	<u>37</u>	<u>N</u>	<u>RMG</u>	<u>7,474</u>	<u>1,064</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535309</u>	<u>Boiler/Heater</u>	<u>135</u>	<u>Y</u>	<u>RMG</u>	<u>45,005</u>	<u>3,399</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535592</u>	<u>Boiler/Heater</u>	<u>142</u>	<u>Y</u>	<u>RMG</u>	<u>60,489</u>	<u>2,549</u>	<u>N</u>	<u>N</u>	<u>Y</u>
PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	<u>562111</u>	<u>Boiler/Heater</u>	<u>304</u>	<u>Y</u>	<u>RMG</u>	<u>24,376</u>	<u>7,057</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>
	<u>535594</u>	<u>Boiler/Heater</u>	<u>179</u>	<u>Y</u>	<u>RMG</u>	<u>72,018</u>	<u>2,215</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>535595</u>	<u>Boiler/Heater</u>	<u>250</u>	<u>Y</u>	<u>RMG</u>	<u>119,470</u>	<u>6,860</u>	<u>N</u>	<u>N</u>	<u>Y</u>
	<u>535189</u>	<u>Boiler/Heater</u>	<u>38</u>	<u>N</u>	<u>RMG</u>	<u>7,076</u>	<u>1,027</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535190</u>	<u>Boiler/Heater</u>	<u>30</u>	<u>N</u>	<u>RMG</u>	<u>6,245</u>	<u>906</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535194</u>	<u>Boiler/Heater</u>	<u>116</u>	<u>Y</u>	<u>RMG</u>	<u>26,790</u>	<u>2,654</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535195</u>	<u>Boiler/Heater</u>	<u>68</u>	<u>Y</u>	<u>RMG</u>	<u>23,617</u>	<u>2,654</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535196</u>	<u>Boiler/Heater</u>	<u>71</u>	<u>Y</u>	<u>RMG</u>	<u>6,120</u>	<u>2,654</u>	<u>Y</u>	<u>N</u>	<u>Y</u>

Appendix 5b-11



Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
	<u>535197</u>	<u>Boiler/Heater</u>	<u>56</u>	<u>Y</u>	<u>RMG</u>	<u>6,157</u>	<u>2,654</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535198</u>	<u>Boiler/Heater</u>	<u>19</u>	<u>N</u>	<u>RMG</u>	<u>640</u>	<u>120</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535200</u>	<u>Boiler/Heater</u>	<u>110</u>	<u>Y</u>	<u>RMG</u>	<u>41,708</u>	<u>2,533</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535201</u>	<u>Boiler/Heater</u>	<u>100</u>	<u>Y</u>	<u>RMG</u>	<u>22,556</u>	<u>1,728</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535202</u>	<u>Boiler/Heater</u>	<u>70</u>	<u>Y</u>	<u>RMG</u>	<u>5,612</u>	<u>1,071</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535203</u>	<u>Boiler/Heater</u>	<u>42</u>	<u>Y</u>	<u>RMG</u>	<u>3,678</u>	<u>803</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
<div>PHILLIPS 66 CO/LA REFINERY WILMINGTON PL</div>	<u>535204</u>	<u>Boiler/Heater</u>	<u>24</u>	<u>N</u>	<u>RMG</u>	<u>2,152</u>	<u>450</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535206</u>	<u>Boiler/Heater</u>	<u>31</u>	<u>N</u>	<u>RMG</u>	<u>5,558</u>	<u>801</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535311</u>	<u>Boiler/Heater</u>	<u>28.5</u>	<u>N</u>	<u>RMG</u>	<u>6421</u>	<u>482</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>582369</u>	<u>Boiler/Heater</u>	<u>73.6</u>	<u>Y</u>	<u>RMG</u>	<u>20701</u>	<u>2086</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535316</u>	<u>Boiler/Heater</u>	<u>15</u>	<u>N</u>	<u>NG</u>	<u>104</u>	<u>6</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>535209</u>	<u>Boiler/Heater</u>	<u>14</u>	<u>N</u>	<u>RMG</u>	<u>2,635</u>	<u>372</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>177999</u>	<u>Boiler/Heater</u>	<u>36</u>	<u>N</u>	<u>RMG</u>	<u>34,120</u>	<u>NA</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
<div>ULTRAMAR INC. (VALERO)</div>	<u>598858</u>	<u>Boiler/Heater</u>	<u>68</u>	<u>Y</u>	<u>RMG</u>	<u>16,590</u>	<u>NA</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
	<u>220601</u>	<u>Boiler/Heater</u>	<u>26.4</u>	<u>N</u>	<u>RMG</u>	<u>6,076</u>	<u>NA</u>	<u>Y</u>	<u>N</u>	<u>Y</u>

Appendix 5b-12

Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
ULTRAMAR INC. (VALERO)	220600	Boiler/Heater	29.7	N	RMG	6,028	NA	Y	N	Y
	598859	Boiler/Heater	110	Y	RMG	12,409	NA	Y	Y	Y
	447454	Boiler/Heater	30	N	RMG	2,411	NA	Y	Y	Y
	598860	Boiler/Heater	200	Y	RMG	18,321	NA	Y	Y	Y
	220593	Boiler/Heater	29.7	N	RMG	8,580	NA	Y	N	Y
	598861	Boiler/Heater	258	Y	RMG	63,506	NA	Y	N	Y
	598862	Boiler/Heater	57	Y	RMG	12,513	NA	Y	N	Y
	527886	Boiler/Heater	39	N	RMG	-	NA	Y	N	Y
	598863	Boiler/Heater	127.8	Y	RMG	4,903	NA	N	Y	Y
	598864	Boiler/Heater	245	Y	RMG	16,919	NA	Y	Y	Y
	598853	Boiler/Heater	159.2	Y	RMG	37,309	NA	Y	N	Y
	598854	Boiler/Heater	136	Y	RMG	26,885	NA	Y	N	Y
	530463	Boiler/Heater	49	Y	RMG	16,139	NA	Y	N	Y
	224454	Boiler/Heater	20	N	RMG	5,756	NA	Y	N	Y

Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
	598856	Boiler/Heater	144	Y	RMG	16,760	NA	Y	Y	Y
	598857	Boiler/Heater	95	Y	RMG	19,276	NA	Y	N	Y
VALERO WILMINGTON ASPHALT PLANT	467281	Boiler/Heater	19.3	N	NG	4,319	1,699	Y	N	Y
	388921	Boiler/Heater	15.4	N	NG	35	605	Y	N	Y
	467283	Boiler/Heater	14.65	N	NG	3,342	208	Y	N	Y
VALERO WILMINGTON ASPHALT PLANT	467284	Boiler/Heater	14.65	N	NG	3,342	124	Y	N	Y
AIR PROD & CHEM INC	491306	Boiler/Heater	764	Y	PG	29,172	13,708	Y	Y	Y
AIR PRODUCTS AND CHEMICALS, INC.	310075	Boiler/Heater	785	Y	PG	63,215	34,811	Y	Y	Y

Facility	Equipment Specifications and Emissions							NOx Control		BARCT Assessment
Facility Name	Application Number	Equipment Category	Size (MMBTU/hr)	CEMS (Y/N)	Primary Fuel Type	Compliance Year 2016 Emissions (lbs/year)		Ultra-Low/Low NOx Burners	Selective Catalytic Reduction (SCR)	Subject to BARCT
						NOx	PM			
Eco Services Operation Corp.	585633	Boiler/Heater	150	Y	NG	46411.75	7556.03	Y	N	Y
	585633	Boiler/Heater	50	Y	NG	908.79	52.43	N	N	Y
	585626	Boiler/Heater	49	Y	NG	388.2	62.64	N	N	Y

# 2017 Criteria Pollutants and Toxic Air Contaminants

The criteria pollutant and toxic air contaminant emissions from each refinery in the Wilmington, Carson, West Long Beach Community are provided in the table below. The emissions are based on year 2017 Annual Emission Reporting (AER) data. This emissions data is used for updates the South Coast AQMD's emissions inventory. Additional information about the South Coast AQMD AER program is available at: <https://www.aqmd.gov/home/rules-compliance/compliance/annual-emission-reporting>.

Facility ID	3417	101656	180908	171107	171109	151798	174655	800436	174591	800026	800393
	AIR PROD & CHEM INC	AIR PRODUCTS AND CHEMICALS, INC.	ECO SERVICES OPERATIONS CORP.	PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	TESORO REFINING AND MARKETING CO, LLC	TESORO REFINING & MARKETING CO, LLC	TESORO REFINING AND MARKETING CO, LLC	TESORO REF & MKTG CO LLC, CALCINER	ULTRAMAR INC (VALERO)	VALERO WILMINGTON ASPHALT PLANT
	CARSON	WILMINGTON	CARSON	WILMINGTON	CARSON	CARSON	CARSON	WILMINGTON	WILMINGTON	WILMINGTON	WILMINGTON
<b>Criteria Pollutants (tons/year)</b>											
CO	11.28	6.45	43.98	256.69	143.26	166.32	299.96	185.28	12.82	144.91	8.01
NOx	19.18	22.65	26.99	471.20	391.48	53.93	661.29	749.47	260.99	278.23	6.76
PM	5.06	1.84	6.69	174.11	67.28	32.98	341.39	222.42	55.49	84.72	0.93
SOx	0.24	1.81	14.23	109.21	240.81	7.01	339.66	175.39	375.55	125.21	0.20
VOC	7.23	6.20	0.03	250.66	93.15	29.36	494.22	261.54	2.12	162.44	13.71
<b>Toxic Air Contaminant (lb/year)</b>											
Ammonia	15,572.44	23,949.96	145.68	95,863.04	2,586.36	4,141.42	339,183.29	54,651.09	1,227.86	71,624.62	735.54
Asbestos	N/R	N/R	N/R	0.17	0.05	N/R	0.05	0.03	N/R	N/R	N/R
Benzene	23.03	25.39	0.46	579.41	728.10	35.31	1,245.21	2,461.65	0.07	837.76	97.25
Beryllium	N/R	N/R	N/R	2.04	1.99	0.07	0.53	3.39	0.00	0.14	0.00
Butadiene [1,3]	N/R	0.05	N/R	225.01	69.64	3.39	34.17	50.09	0.00	391.60	0.25
Cadmium	N/R	0.00	N/R	8.35	9.49	0.34	6.29	18.65	20.76	0.95	0.00
Carbon tetrachloride	N/R	N/R	N/R	3.35	N/R	N/R	0.24	0.00	N/R	N/R	0.02

Appendix 5b-16

Facility ID	3417	101656	180908	171107	171109	151798	174655	800436	174591	800026	800393
	AIR PROD & CHEM INC	AIR PRODUCTS AND CHEMICALS, INC.	ECO SERVICES OPERATIONS CORP.	PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	TESORO REFINING AND MARKETING CO, LLC	TESORO REFINING & MARKETING CO, LLC	TESORO REFINING AND MARKETING CO, LLC	TESORO REF & MKTG CO LLC,CALCINER	ULTRAMAR INC (VALERO)	VALERO WILMINGTON ASPHALT PLANT
	CARSON	WILMINGTON	CARSON	WILMINGTON	CARSON	CARSON	CARSON	WILMINGTON	WILMINGTON	WILMINGTON	WILMINGTON
Chlorinated dioxins and dibenzofurans	N/R	N/R	N/R	0.00	N/R	N/R	0.00	0.00	0.00	N/R	N/R
Ethylene dibromide {1,2-Dibromoethane}	N/R	N/R	N/R	1.29	N/R	N/R	0.29	0.66	N/R	N/R	0.02
Ethylene dichloride {1,2-Dichloroethane}	N/R	N/R	N/R	N/R	N/R	N/R	0.16	0.69	N/R	N/R	0.01
Formaldehyde	50.42	54.09	3.13	2,065.11	368.36	440.24	8,168.81	7,685.15	220.91	2,564.38	18.28
Chromium, hexavalent (and compounds)	N/R	0.00	N/R	0.30	0.04	0.02	1.50	1.64	0.38	2.29	0.00
Arsenic and Compounds (inorganic)	N/R	0.00	N/R	2.65	11.20	0.68	6.64	12.63	4.90	5.40	0.00
Lead compounds (inorganic)	N/R	0.00	N/R	21.58	6.41	1.00	13.28	28.00	93.82	9.60	0.00
Methylene chloride {Dichloromethane}	N/R	N/R	N/R	4.00	N/R	N/R	0.13	0.00	N/R	N/R	0.05
Nickel	N/R	0.00	N/R	149.96	45.02	4.13	9.27	97.19	38.88	53.92	0.14
Perchloroethylene {Tetrachloroethene}	N/R	N/R	N/R	368.72	N/R	N/R	82.21	17.92	N/R	22.06	N/R
PAHs [PAH, POM]	5.37	5.98	0.04	527.09	270.13	4.78	3,813.91	540.11	24.36	156.18	26.63
Vinyl chloride	N/R	N/R	N/R	N/R	N/R	N/R	0.10	0.00	N/R	N/R	0.01
Methyl chloroform {1,1,1-Trichloroethane}	N/R	N/R	N/R	0.09	0.11	N/R	N/R	344.23	N/R	N/R	N/R

N/R = Not Reported

THIS PAGE IS INTENTIONALLY LEFT BLANK

---

# APPENDIX:

## RESPONSE TO COMMENTS

---



## Appendix Response to Comments

### Table of Contents

Public Meeting Comments (CSC Meeting #7 – June 13, 2019) .....	4
Public Meeting Comment #1: Alicia Rivera – Communities for a Better Environment .....	4
Public Meeting Comment #2: Christopher Chavez – West Long Beach Active Resident .....	8
Public Meeting Comment #3: Jesse Marquez – Coalition for a Safe Environment .....	8
Public Meeting Comment #4: William Koons – Carson Active Resident .....	9
Public Meeting Comment #5: Sylvia Betancourt – Long Beach Alliance for Children with Asthma...	10
Public Meeting Comment #6: Jill Johnston – University of Southern California .....	11
Public Meeting Comment #7: Linda Bassett – Gulf Avenue Elementary School .....	11
Public Meeting Comment #8: McKina Alexander – City of Carson.....	11
Public Meeting Comment #9: Salvador Lara – Wilmington Active Resident .....	12
Public Meeting Comments (CSC Meeting #8 – July 11, 2019) .....	13
Public Meeting Comment #10: Jesse Marquez – Coalition for a Safe Environment .....	13
Public Meeting Comment #11: Brissa Sotelo – Long Beach Area Chamber of Commerce.....	13
Public Meeting Comment #12: Christopher Chavez – West Long Beach Active Resident .....	14
Public Meeting Comment #13: Susan Stark – Marathon Petroleum Company.....	14
Public Meeting Comment #14: Alicia Rivera– Communities for a Better Environment .....	15
Public Meeting Comment #15: Flavio Mercado– Wilmington Active Resident.....	15
Public Meeting Comment #16: Maribel Alejandre – SBCC Thrive LA .....	16
Public Meeting Comments (CSC Meeting #9 – August 7, 2019) .....	17
Public Meeting Comment #17: Susan Stark – Marathon Petroleum Company.....	17
Public Meeting Comment #18: Jill Johnston - University of Southern California .....	17
Public Meeting Comment #19: Jesse Marquez – Coalition for a Safe Environment .....	18
Public Meeting Comment #20: Alicia Rivera – Communities for a Better Environment .....	20
Public Meeting Comment #21: Christopher Chavez – West Long Beach Active Resident, Coalition for Clean Air .....	21
Public Meeting Comment #22: Judeth Luong– Long Beach Department of Public Health .....	22
Public Meeting Comment #23: William Koons – Carson Active Resident .....	22
Public Meeting Comment #24: Sylvia Arredondo – Wilmington Active Resident .....	22
Public Meeting Comment #25: Salvador Lara– Wilmington Active Resident.....	23
Public Meeting Comment #26: Linda Bassett– Gulf Avenue Elementary School .....	23

Public Meeting Comment #27: Dulce Altamirano – Wilmington Active Resident.....	24
Public Meeting Comments (Stationary Source Committee – July 26, 2019) .....	25
Public Meeting Comment #28: Jesse Marquez – Coalition for a Safe Environment .....	25
Public Meeting Comment #29: Kevin Maggay – Southern California Gas Company (SoCalGas).....	25
Public Meeting Comment #30: Florence Gharibian – Del Amo Action Committee.....	25
Public Meeting Comment #31: Christopher Chavez – West Long Beach Active Resident, Coalition for Clean Air .....	26
Comment Letters .....	27
Comment Letter #1: Jesse Marquez – Coalition for a Safe Environment .....	27
Comment Letter #2: Greg Roche – Clean Energy Fuels .....	33
Comment Letter #3: Matt Baca – Los Angeles County Department of Public Health .....	37
Comment Letter #4: Ray Cheung – SmartAir LA .....	39
Comment Letter #5: Alyssa Beltran – County of Los Angeles Department of Public Health.....	43
Comment Letter #6: Lupe Valdez – Union Pacific (letter on behalf of Union Pacific and BNSF Railway).....	45
Comment Letter #7: Alyssa Beltran – County of Los Angeles Department of Public Health.....	48
Comment Letter #8: Christopher Chavez – West Long Beach Resident, Coalition for Clean Air.....	56
Comment Letter #9: Tim DeMoss – Port of Los Angeles .....	66
Comment Letter #10: Uduak-Joe Ntuk – City of Los Angeles Office of Petroleum and Natural Gas Administration and Safety .....	70
Comment Letter #11: Janet Whittick – California Council for Environmental and Economic Balance (CCEEB).....	75
Comment Letter #12: Alicia Rivera, et al. – Communities for a Better Environment (CBE) .....	80
Comment Letter #13: Jesse Marquez – Coalition For A Safe Environment .....	93
Comment Letter #14: Bridget McCann – Western States Petroleum Association (WSPA) .....	145
Comment Letter #15: Marie Cobian – City of Los Angeles .....	150
Comment Letter #16: Alicia Rivera, et al – Communities for a Better Environment (submitted for Stationary Source Committee).....	152
Comment Letter #17: Alex Spataru – The ADEPT Group, Inc. ....	155
Comment Letter #18: Christopher Chavez – Coalition for Clean Air .....	160
Comment Letter #20: Priscilla Hamilton – Southern California Gas Company (SoCalGas).....	172
Comment Letter #21: Alicia Rivera, et al – Communities for a Better Environment.....	179
Comment Letter #22: Bridget McCann – Western States Petroleum Association (WSPA) .....	185
Comment Letter #23: Alicia Rivera, et al – Communities for a Better Environment.....	199

Appendix RTC-2

Comment Letter #24: McKina Alexander – City of Carson ..... 206

Comment Letter #25: Harvey Eder – Public Solar Power Coalition ..... 210

## Public Meeting Comments (CSC Meeting #7 – June 13, 2019)

### Public Meeting Comment #1: Alicia Rivera – Communities for a Better Environment

- 1-1: The commenter requests information regarding the feasibility of flaring emission reductions.
- 1-2: The commenter would like a reference to emissions reduction goals in the plan that goes beyond flaring, such as an overall emissions reduction target. The commenter requested an estimate of the average amount of emissions in the community, how much of that baseline can be reduced, and by when. The commenter did not see specific emissions reduction plan or additional requirements for refinery boilers and heaters. The commenter would like to see a requirement for wet scrubbers on all catalytic crackers. The commenter requests South Coast AQMD for a phase out of fossil fuels and a cap on refinery expansion. The commenter would like to see improvements on VOC emissions.
- 1-3: The commenter would like to know if it is possible to set pollution prevention requirements in rules before finishing air quality monitoring, and identify new requirements for specific emission reductions.
- 1-4: The commenter would like the CERP to address sulfur, carbon sulfide, and other chemicals such as hydrogen sulfide. There is not a clear commitment for new regulations, and that the plan continues to require monitoring before taking actions. The South Coast AQMD should assume that oil drilling facilities are guilty until they prove they are otherwise and write a regulation.

#### Response to Public Meeting Comment #1-1

The South Coast AQMD staff provided 10 years of flaring emissions data for refineries and related facilities to the CSC members at CSC meeting #7 (held on June 13, 2019). This data is based on reporting in compliance with South Coast AQMD Rule 1118. Additionally, the CERP includes an action (see Action 3 of Chapter 5b) to initiate rule development for Rule 1118. Action 3 of Chapter 5b provides measures for evaluating methods and practices to reduce flaring (e.g., methods to reduce power failures and increased capacity to store gases during shutdowns). The goal of this action is to reduce refinery flaring events and/or emissions by 50%, if feasible. The South Coast AQMD staff estimates that this goal will result in 19 tons per year (tpy) of NO<sub>x</sub>, 11 tpy of SO<sub>x</sub> and 1 tpy of VOC emissions from flaring in the Wilmington, Carson, West Long Beach community.

#### Response to Public Meeting Comment #1-2

##### *Emissions Baseline and Emission Reductions*

Overall emission reduction targets are in Chapter 5a of the CERP. A summary of the emission reduction targets are in the table below. Baseline emissions refers to expected future emissions without any new action or regulation beyond those already adopted.

Emissions	NO <sub>x</sub>	SO <sub>x</sub>	VOCs	DPM
2017 Emissions (tpy)	10,614	1,437	5,641	120
Projected 2024 Emissions Baseline (tpy)	8,819	1,659	5,306	86
Emission Reductions from CERP, by 2024 (tpy)	606	--	20.6	9
Emission Reductions from CERP, by 2024 (%)	7	--	<1	10
Projected 2029 Emissions Baseline <sup>1</sup> (tpy)	9,250	1,715	5,256	93
Emission Reductions from CERP, by 2030 (tpy)	3,207 <sup>2</sup>	11	64	20
Emission Reductions from CERP, by 2030 <sup>3</sup> (%)	35% <sup>4</sup>	<1%	<1%	22%

The emission reduction targets in the table above are based on the actions in the Draft Final CERP. These actions will be implemented using six different strategies including incentives, outreach, collaboration, air monitoring, regulations, and enforcement that result in emission reductions. For example, the CERP includes 3 actions that require the South Coast AQMD to develop new rules and amend existing rules to achieve further emission reductions from petroleum refineries in this community by 2030. Additionally, the Draft Final CERP includes actions to reduce emissions from mobile sources (e.g., heavy-duty trucks, locomotives, cargo handling equipment, and ships). The mobile source actions will be implemented by strategies, such as, enhanced enforcement efforts from South Coast AQMD and regulations that are developed by CARB to reduce emissions from heavy-duty trucks, ships and other mobile sources (see the list of CARB measure in Table 5a-2).

<sup>1</sup>Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029. However, the emission reductions in this table target a 2030 completion date, due to the complexity of the efforts. While the baseline emissions were not calculated for 2030, staff expect the emissions to be similar to the 2029 estimates (details presented in Appendix 3B).

<sup>2</sup>Based on maximum NO<sub>x</sub> emission reductions that may be reduced from Action 5 in Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Rule 1109.1 – Refinery Equipment

<sup>3</sup>Based on maximum NO<sub>x</sub> emission reductions that may be reduced from Action 5 in Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Rule 1109.1 – Refinery Equipment

<sup>4</sup>Percent calculated based on 2029 emissions baseline

Several actions in the CERP also emphasize emission reductions from fugitive emissions sources that are not quantifiable at this time. For example, an action to reduce leaks from oil wells requires enhanced air monitoring along with follow-up strategies (e.g., rule development and enforcement activities) to quantify and target reductions in fugitive emissions. Based on the information that is currently available, the resulting emission reductions from this action cannot be estimated at this time.

#### *Boilers, Heaters and Other Equipment at Refineries*

The CERP includes an action to Achieve further NO<sub>x</sub> emission reductions from boiler, heaters and other equipment at refineries through the adoption of Proposed Rule 1109.1 (See Action 5 of Chapter 5b). Under this Action the South Coast AQMD would pursue emission reductions from refinery equipment including existing boilers, heaters, gas turbines, fluid catalytic cracking units, sulfur recovery units, incinerators and a coke calciner. Adoption of Proposed Rule 1109.1 will require the installation of BARCT level controls on boilers, heaters and other refinery equipment. Additional information about Proposed Rule 1109.1 is available on the South Coast AQMD website at: <http://www.aqmd.gov/home/rules-compliance/rules/scagmd-rule-book/proposed-rules#1109.1>

#### *Requirements for Wet Scrubbers and Fluid Catalytic Cracking Units (FCCUs)*

Rule 1105.1 – Reduction of PM<sub>10</sub> and Ammonia Emissions from Fluid Catalytic Cracking Units (FCCUs) applies to all existing, new or modified fluid catalytic cracking units at petroleum refineries. The PM<sub>10</sub> emission limits required by Rule 1105.1 are the most stringent in the nation. For example, Regulation 6, Rule 5: Particulate Emissions from Refinery Fluidized Catalytic Cracking Units adopted by the Bay Area Air Quality Management District (BAAQMD) in December of 2018 does not specify emission limits for PM<sub>10</sub>. However, it does have similar emission limits for ammonia slip. The BAAQMD is currently conducting rulemaking activities for FCCUs.

All petroleum refineries in the Wilmington, Carson, West Long Beach community operate FCCUs. Refineries can install electrostatic precipitators (ESPs), wet electrostatic precipitators (WESPs) or wet gas scrubbers to meet the Rule 1105.1 emission limits. Also, refineries can use more than one of these technologies to comply with these limits, for example, Philips 66 uses both a wet gas scrubber and a WESP to comply with Rule 1105.1. The CERP commits South Coast AQMD staff to monitor the progress of the BAAQMD's rulemaking effort to assess whether additional PM emission reductions from FCCUs are feasible (see page 5b-4 of the CERP).

#### *Phase Out of Fossil Fuels and Caps on Refinery Expansions*

Staff believes that any policy that aims to phase-out the use of fossil fuels needs to be coordinated with a number of state agencies, including the Public Utilities Commission (PUC), the California Energy Commission (CEC), and CARB. State law (SB 100, 2018) already calls for a phase out of fossil fuels (zero-carbon goal) in the electricity generating sector by 2045, through

coordinated action of these state agencies. According to the Energy Information Administration, almost all petroleum used in California is used in the transportation sector. Under both the Clean Air Act and state law, South Coast AQMD does not have authority over the composition of motor vehicle fuels. So, the South Coast AQMD could not phase out fossil fuel use in motor vehicles. While the South Coast AQMD is not preempted from setting fuel requirements for off road engines, it would be prohibited from requiring zero-emission for these sources, which would constitute a preempted emission standard. The South Coast AQMD can set emission standards for refineries and their equipment as long as those standards are not arbitrary or capricious, but likely could not set standards for the purpose of limiting the production of fuels available for motor vehicles.

The South Coast AQMD has in place a number of regulations limiting emissions from refinery operations, including a requirement for best available control technology (BACT) for new or modified sources. If a refinery project meets the requirements of South Coast AQMD rules, South Coast AQMD is required to issue permits for the project. Our authority to adopt rules is limited to regulating air pollution emissions, rather than directly limiting refinery throughput.

#### *Improvements for VOC Emissions*

Action 2 of Chapter 5 is to conduct refinery monitoring to identify and address VOC leaks. This action includes goals that VOC emission reductions including:

- Establishing a 2020 emissions baseline for fugitive VOC's from all refineries in the Wilmington, Carson, West Long Beach community, and
- Working with the CSC to perform an assessment to determine the feasibility of reducing fugitive VOC emissions from refineries below 2020 baseline emission levels by 25% beginning in 2024, and 50% beginning in 2030

#### Reponses to Public Meeting Comment #1-3

Rule requirements may include emission limits or require control measures. Rules may also include maintenance requirements to ensure equipment is working properly. Monitoring described in the community air monitoring plan (CAMP) is a separate process from the rule development process. During the implementation period of the CERP, which will include rule development, monitoring efforts will continue. Any new requirements will be required to undergo the rule development process to allow for more focused meetings with all stakeholders to assess feasibility of proposed requirements or updated emission standards.

#### Reponses to Meeting Comment #1-4

##### *Pollutants:*

The Wilmington, Carson, West Long Beach Community Air Monitoring Plan (CAMP) outlines the air monitoring that will be conducted to address the community's prioritized air quality concerns and support effective implementation of the CERP. The CAMP addresses pollutants of interest emitted by the emissions sources prioritized by the CSC. The CAMP is available at South Coast

AQMD website at: [https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb\\_camp.pdf?sfvrsn=6](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb_camp.pdf?sfvrsn=6)

### *Regulations and Air Monitoring*

The CERP commits to the development of numerous rules to address the air quality priorities identified by the CSC. For example, the CERP includes an action to Amend Rule 1118 (See Action 3 in Chapter 5b). The action includes considerations to further reduce flaring and an emission reduction goal of approximately 19 tpy of NO<sub>x</sub>, 11 tpy of SO<sub>x</sub>, and 1 tpy of VOC. The estimated timeline calls for initiating rule development activities by the first quarter of 2020. Air monitoring is not a prerequisite to most of the actions in the CERP, however, air monitoring can help track the progress of various actions.

### **Public Meeting Comment #2: Christopher Chavez – West Long Beach Active Resident**

- 2-1: The commenter requests information about boilers and wanted to know the timeline and process for BARCT and the rules related to refineries. The commenter requested an update on the BARCT Clearinghouse.
- 2-2: The commenter suggested that the indirect source rule should be tailored to the specific needs of the community.

### **Response to Public Meeting Comment #2-1**

Refinery equipment and related operations are subject to South Coast AQMD rules and U.S. EPA regulations. These are listed in Appendix 5b of the CERP. A new rule, Proposed Rule 1109.1 focuses on refinery equipment (e.g., boilers, heaters, fluid catalytic cracking units, etc.) and will include a Best Available Retrofit Control Technology (BARCT) assessment and requirements. Proposed Rule 1109.1 is scheduled to be considered by the Governing Board in late 2019 or early 2020. Information regarding the statewide BARCT Clearinghouse and information for each air district can be found online on the CARB website.

### **Response to Public Meeting Comment #2-2**

South Coast AQMD staff is currently crafting a Memorandum of Understanding (MOU) with the Ports. Staff is also developing Indirect Source Rules (ISR) for warehouses and railyards. Staff will consider the CSC's comments in the ISR rule development process, and staff encourages CSC members to participate in the ongoing working group meetings for ISR (warehouses, rails) and the MOU with the Ports.

### **Public Meeting Comment #3: Jesse Marquez – Coalition for a Safe Environment**

- 3-1: The commenter requested that South Coast AQMD provide a list of all technologies and their effectiveness in helping to reduce emissions at refineries. The commenter would like South Coast AQMD to identify every location or refinery where these technologies can be



applied. The commenter requests a plan to mandate these technologies. The commenter requests an emissions inventory for the community.

- 3-2: The commenter emphasized the need for community involvement in air monitoring. The commenter acknowledged that South Coast AQMD met with him and discussed his concerns and suggestions.

Response to Public Meeting Comment #3-1

All available technologies are being reviewed as part of the rule development process and BARCT assessment. Currently, Proposed Rule 1109.1 is undergoing the rule development process and NOx control technologies for equipment at refineries is being reviewed and will be made available to the public. The additional concerns and suggestions will also be addressed through the rule development process for Rule 1118 and Rule 1178 within the implementation period of the CERP (see Chapter 5b, Action 3 and Chapter 5b, Action 4). The source attribution analysis includes emissions inventory information in Appendix 3b.

Response to Public Meeting Comment #3-2

South Coast AQMD will collaborate with community organizations in implementing the CAMP, where appropriate.

**Public Meeting Comment #4: William Koons – Carson Active Resident**

- 4-1: The commenter requests that South Coast AQMD research current technologies available for vapor recovery. The commenter suggested that refineries should replace all gas pilot lights with non-gas pilot lighters.
- 4-2: The commenter brought up concerns that truck traffic in the community leads to truck idling. The commenter requested there be a complaint line that he could call about such incidents.
- 4-3: The commenter expressed that school air filtration systems should be mandatory in all schools.

Response to Public Meeting Comment #4-1

Current technologies for vapor recovery to avoid flaring will be addressed through the rule development process through amendments to Rule 1118 (see Chapter 5b, Action 3). The feasibility of replacing all gas pilot lights with non-gas pilot lighters can also be assessed in the rule development process. The rule development process allows for more focused meetings with all stakeholders to assess feasibility of proposed requirements or updated emission standards.

Response to Public Meeting Comment #4-2

Staff is aware that truck traffic can lead to truck idling. Improvements to congestion or truck traffic can be addressed through collaboration with cities or transportation agencies. The CERP

includes actions to address truck idling through focused inspections via collaboration with the CSC and CARB. Members of the public can make complaints at 1-800-CUT-SMOG.

Response to Public Meeting Comment #4-3

South Coast AQMD cannot mandate that schools have air filtration systems. However, staff will work with the local school districts to install air filtration systems at schools prioritized by the CSC.

Public Meeting Comment #5: Sylvia Betancourt – Long Beach Alliance for Children with Asthma

5-1: The commenter asked if the CERP addresses accidental flaring events. The commenter would like to see a cap on refinery expansions in the CERP.

5-2: The commenter would like to see goals or metrics in the CERP achieve a health standard. The commenter would like to see emissions reductions tied to health outcomes.

Response to Public Meeting Comment #5-1

Accidental or unplanned flaring events will be addressed through the rule development process (see Chapter 5b, Action 3). The CERP includes a commitment to amend Rule 1118 to address refinery flaring emissions.

The South Coast AQMD has in place a number of regulations limiting emissions from refinery operations, including a requirement for best available control technology (BACT) for new or modified sources. If a refinery project meets the requirements of South Coast AQMD rules, South Coast AQMD is required to issue permits for the project. Our authority to adopt rules is limited to regulating air pollution emissions, rather than directly limiting refinery throughput.

Response to Public Meeting Comment #5-2

Conducting a health study to establish a health baseline and track improvements will not provide a direct measurement of the success of the AB 617 program as there are many factors which contribute to health outcomes. Emission reductions in the CERP will provide long-term benefits for public health. Consistent with CARB's Blueprint, the CERP includes a series of specific metrics to directly measure implementation of the strategies for each of the actions. Key metrics include emission reduction goals for refinery emissions within the community, reduction of flaring, commitments for air measurements, and rule development to address fugitive VOC emissions.

The overall goal of AB 617 and the CERP is to improve public health from air quality related issues within the community. The CERP includes actions and strategies to meet this goal. Chapter 5g includes actions for direct public health improvement programs (e.g., asthma management programs).

#### Public Meeting Comment #6: Jill Johnston – University of Southern California

6-1: The CERP should include more metrics and details. The commenter wants to know what pollutants will be monitored, what actions can reduce these pollutants, and how actions will be prioritized. Mobile monitoring should include more details.

##### Response to Public Meeting Comment #6-1

The CERP outlines how the air quality priorities will be addressed. Step-by-step details are described in each of the actions. The goals section of each of the actions establishes metrics. Emission reduction targets have been incorporated in Chapter 5a (see Response to Public Meeting Comment # 1-2). More information can be found throughout Chapter 5 of the CERP on what actions will be implemented to address different priorities and pollutants. The community air monitoring plan includes more details on how mobile monitoring will be used and which pollutants will be monitored to address the air quality priorities.

#### Public Meeting Comment #7: Linda Bassett – Gulf Avenue Elementary School

7-1: The commenter would like to know what type of reductions will lead to emission reductions of at least 50%. The commenter would like more information on causes of death and illness.

##### Response to Public Meeting Comment #7-1

Information on emissions reduction targets can be found in Chapter 5a of the CERP (see Response to Public Meeting Comment # 1-2). Health data is available through other agencies, such as the County of Los Angeles Public Health, but note that cause of death information is not always accurate; hospitalization data may be more accurate. Mortality rates may be more accurate and can be found here: [https://admin.publichealth.lacounty.gov/ivpp/pdf\\_reports/reports\\_home.htm](https://admin.publichealth.lacounty.gov/ivpp/pdf_reports/reports_home.htm).

#### Public Meeting Comment #8: McKina Alexander – City of Carson

8-1: The commenter requested to have Wilmington Avenue added to the truck idling inspection list, specifically the section from the 91 freeway leading to the Ports. The commenter wanted to know who conducts inspections and how many are available. The commenter requested to know how monitoring will be subsidized.

##### Response to Public Meeting Comment #8-1

Wilmington Avenue was added to the list of locations prioritized by the CSC. South Coast AQMD and CARB enforcement are responsible for truck idling inspections. Action 1 of Chapter 5b addresses truck idling by conducting quarterly idling sweeps and focused inspections in high priority locations identified by the CSC. Enforcement staff will work to address idling at locations prioritized by the CSC. Monitoring is being funded through AB 617 funds.

Public Meeting Comment #9: Salvador Lara – Wilmington Active Resident

9-1: The commenter stated that past green spaces projects have failed due to lack of watering and water use restrictions. The commenter noted that the lack of maintenance resources makes it difficult for the communities to have green space in Wilmington.

Response to Public Meeting Comment #9-1

South Coast AQMD will encourage the use of native, drought tolerant plants as part of Chapter 5g, Action 4.

## Public Meeting Comments (CSC Meeting #8 – July 11, 2019)

### Public Meeting Comment #10: Jesse Marquez – Coalition for a Safe Environment

10-1: South Coast AQMD should help establish a public health baseline. The commenter recommends a public health survey, specifically a Community Assessment for Public Health Emergency Response (CASPER) study. South Coast AQMD should track public health and allocate \$1 million towards the public health baseline.

10-2: The commenter does not want a Memorandum of Understanding (MOU) for the Ports and requests an Indirect Source Rule (ISR).

#### Response to Public Meeting Comment #10-1

The issue of measuring AB617 health outcomes has been discussed at length during CARB's statewide AB617 consultation group meetings, of which the commenter is a member. The result of those discussions was that such studies will be difficult and expensive, and while they are desired, they are outside of the scope of the AB617 statute and funding. Additional funding and involvement of public health agencies will be sought. Also, see Response to Public Meeting Comment # 5-2.

#### Response to Public Meeting Comment #10-2

Pursuant to South Coast AQMD's Governing Board direction, staff is currently working with the Ports of Los Angeles and Long Beach (Ports) staff to develop an MOU based on the implementation of strategies in the San Pedro Bay Ports Clean Air Action Plan (CAAP) to accelerate the deployment of commercially available zero and near zero-emission vehicles and equipment in port-related operations and to achieve near-term emission reductions. In the event that the MOU approach with the Ports is not successful and emission reductions are not achieved, staff will recommend a regulatory approach, such as ISR, to the South Coast AQMD Governing Board.

### Public Meeting Comment #11: Brissa Sotelo – Long Beach Area Chamber of Commerce

11-1: The source attribution analysis has not been provided to the committee and the CERP does not adequately outline the current or proposed reductions at a comprehensive level.

#### Response to Public Meeting Comment #11-1

The source attribution analysis is in Chapter 3b of the CERP. Additionally, emission reduction targets are in Chapter 5a of the CERP (see Response to Public Meeting Comment # 1-2). The emission reduction targets included in Chapter 5a are based upon mobile source incentive data from replacement of heavy duty diesel trucks and equipment, statewide mobile source regulations, and proposed refinery regulations. Some actions in the CERP will result in emission reductions that are not currently quantifiable, such as VOC fugitive emissions. Fugitive emissions cannot be estimated until monitoring and enforcement actions occur to identify the location and

source of the emissions. Some rules and regulations require the rule development process to progress before emission reductions can be quantified.

**Public Meeting Comment #12: Christopher Chavez – West Long Beach Active Resident**

12-1: There is a need for tangible reductions. Community members would like to know how much cleaner their air will become. It is important to employ a scientific process to answer this question.

12-2: MOU must be as strong as possible. There was a concern about off-ramps being included in the CAAP.

**Response to Public Meeting Comment #12-1**

Chapter 5a outlines the emissions reduction targets from mobile source incentives from the replacement of heavy duty diesel trucks and cargo handling equipment, statewide mobile source regulations and proposed refinery regulations (where quantifiable).

Focused outreach may result in additional incentive application submittals from this community and any additional projects approved will result in more emission reductions than anticipated. Strategies such as monitoring and focused enforcement will result in emission reductions, but are not quantifiable at this time. Monitoring and follow-up inspections will identify where fugitive emissions are occurring and will result in emission reductions (e.g., trucks idling, leaks from emissions such as oil wells and oil tankers). Furthermore, large emission reductions will be achieved through rule development. However, the rule development process must occur to determine emission reductions for certain rules and regulations. The process includes a number of factors to determine emission reductions (e.g., applicable equipment, types of controls or emissions limits, cost-effectiveness, etc.). Rules will continue to apply and be enforced beyond the implementation period of this CERP.

**Response to Public Meeting Comment #12-2**

Pursuant to South Coast AQMD's Governing Board direction, staff is currently working with the Ports of Los Angeles and Long Beach (Ports) staff to develop an MOU based on the implementation of strategies in the San Pedro Bay Ports Clean Air Action Plan (CAAP) to accelerate the deployment of commercially available zero and near zero-emission vehicles and equipment in port-related operations and to achieve near-term emission reductions. Regardless of off-ramps, in the event that the MOU approach with the Ports is not successful and emission reductions are not achieved, staff will recommend a regulatory approach, such as ISR, to the South Coast AQMD Governing Board.

**Public Meeting Comment #13: Susan Stark – Marathon Petroleum Company**

13-1: It is important to link the source attribution to all of the CERP measures.

**Response to Public Meeting Comment #13-1**

Thank you for your comment. The source attribution analysis can be found in Chapter 3b. This analysis is used to establish baseline emissions to determine emission reductions linked to the actions in the CERP.

#### Public Meeting Comment #14: Alicia Rivera– Communities for a Better Environment

14-1: There should be an increase in criteria and metrics to meet health standards.

14-2: The anticipated projections for air pollution needs to be addressed.

14-3: The CERP needs to include an estimation of oil refinery emissions and inventory levels.

#### Response to Public Meeting Comment #14-1

See Response to Public Meeting Comment #5-2.

#### Response to Public Meeting Comment #14-2

Since this comment was made, Chapter 5a was updated to include an emission reductions target for NO<sub>x</sub>, SO<sub>x</sub>, VOC, and Diesel PM. The source attribution analysis was also added to Chapter 3b. The source attribution analysis includes the baseline reference (2017) and projected emissions in future milestone years of 2024 and 2029. The future milestone years include reductions from all rules and regulations that have been adopted since 2016. The projected emissions do not include any of the CERP actions.

#### Response to Public Meeting Comment #14-3

Appendix 5b of the CERP includes year 2017 emissions data for criteria pollutants (tons/year) and toxic air contaminants (pounds/year) for petroleum refineries within the Wilmington, Carson, West Long Beach community. Additionally, Chapter 5a of the CERP includes emission reduction goals for oil refineries based on CERP actions that address petroleum refineries.

#### Public Meeting Comment #15: Flavio Mercado– Wilmington Active Resident

15-1: Key points from the committee should be mentioned in the CERP.

15-2: Smokestacks at the refineries need to be addressed.

#### Response to Public Meeting Comment #15-1

Appendix 2 in the CERP includes links to all meeting summaries which summarize all the main points made by the CSC. Key points from the CSC were written down on large notepads during Committee Discussions during the CSC meetings and incorporated into the meeting summaries. Furthermore, the CERP was developed through direct input with the CSC received during monthly meetings and personal correspondence with CSC members via phone calls or email. The CERP also incorporates comments received through the written comments submitted. The key points raised by the CSC have been one of the main drivers guiding the development of the CERP, and

are incorporated into the actions where appropriate. All points raised by the CSC are being responded to in this Response to Comments appendix.

Response to Public Meeting Comment #15-2

All emissions including refinery smokestacks are limited by South Coast AQMD's Rule 401 – Visible Emissions, through opacity. Emissions from refineries will be monitored through South Coast AQMD's Rule 1180 – Refinery Fenceline and Community Air Monitoring. Rule 1180 requires real-time fenceline air monitoring systems and establishes a fee schedule to fund refinery-related community air monitoring systems. These systems will provide air quality information regarding levels of various criteria air pollutants, volatile organic compounds and other compounds at or near the property boundaries of petroleum refineries to the public and local response agencies. Starting in 2020, this sophisticated network of fenceline and community air monitoring systems will continuously (24 hours a day, 7 days a week) provide near-real time air quality information in this community. Furthermore, as of January 30, 2019, Rule 1118 – Control of Emissions from Refinery Flares requires refineries to keep a video monitor on each flare. The video monitors are required to monitor all flares for visible emissions using color video monitors with date and time stamp, capable of recording a digital image of the flare and the flame of flares that are not enclosed, at a rate of no less than one frame per minute. South Coast AQMD staff can provide these videos to the public upon request.

Public Meeting Comment #16: Maribel Alejandre – SBCC Thrive LA

16-1: The focus should be on tracking emission reductions and source attribution. The data should be made clearer than what has been presented thus far, as it is confusing to read.

Response to Public Meeting Comment #16-1

Chapter 5a outlines the emissions reduction targets from mobile source incentives, statewide mobile source measure regulations, and proposed refinery regulations (where quantifiable). Incentive-based emission reductions are based on historical performance of mobile source incentive projects and projections for specific rules. Focused outreach may result in additional incentive application submittals from this community and any additional projects approved will result in more emission reductions than anticipated. Strategies such as monitoring and focused enforcement will result in emission reductions, but are not quantifiable at this time. Monitoring and follow-up inspections will identify where fugitive emissions are occurring and will result in emission reductions (e.g., trucks idling, leaks from emissions such as oil wells and oil tankers). Furthermore, large emission reductions will be achieved through rule development. However, the rule development process must occur to determine more precise emission reductions for certain rules and regulations. The process includes a number of factors to determine emission reductions (e.g., applicable equipment, types of controls or emissions limits, cost-effectiveness, etc.). Rules will continue to apply and be enforced beyond the implementation period of this CERP. The source attribution analysis is available in Chapter 3b and Appendix 3b. Staff has worked to simplify the data and language to be more reader-friendly.



## Public Meeting Comments (CSC Meeting #9 – August 7, 2019)

### Public Meeting Comment #17: Susan Stark – Marathon Petroleum Company

17-1: South Coast AQMD should conduct a full source attribution analysis for Year 1, including determining pollutants that are driving the exposure risk, finding areas where concentrations are the highest, identifying equipment contributing to air pollution, determining what controls are currently available, and what additional efforts can be made. Benzene is only 2% of the health risk while Diesel PM is 86%. Source attribution is an essential assessment to complete to determine where emissions are coming from, from which facilities, and what the contributing factors are. It is important to prioritize scarce resources and focus on the true contributors. Significant rule development will be occurring. The commenter was surprised that the South Coast AQMD already has an idea of what the emission reductions will be, and would like to hear more about this.

#### Response to Public Meeting Comment #17-1

It is staff's goal to have a better understanding of the specific sources of emissions that stem from this community. Thus, staff has included a source attribution analysis based on emissions inventories in Chapter 3b and Appendix 3b. Staff is committed to updating source attribution data through the technical advisory group (TAG) as more tools and information become available. For example, when MATES V data becomes available staff will share this information. A more thorough analysis of the emission sources and controls will be conducted as a part of the rule development process for refinery flares and storage tanks. Proposed Rule 1109.1 is in the rule development process and includes reviewing equipment at refineries and a BARCT assessment. Staff is working on determining the estimated emission reductions from rule projects, such as Rule 1109.1. The CERP includes other actions to address diesel PM in the community such as replacing diesel equipment in railyards.

### Public Meeting Comment #18: Jill Johnston - University of Southern California

- 18-1: South Coast AQMD should develop a method to quantify emission reductions and include this in the CERP for the CSC to review the method. Determine how to track improvement over time.
- 18-2: With respect to health metrics, data should be collected to inform a health impact assessment. South Coast AQMD can help develop this or a different agency to understand the relationship between exposure reduction and health improvement.
- 18-3: During the initial CSC meetings, the CSC was shown a figure of a pie chart that identified diesel and benzene as top two toxics in this community. It is important to use black carbon or ultrafine as a marker for diesel rather than only using PM. Benzene should also be

monitored. Staff should identify a marker that will be used for fugitive emissions (e.g., methane) and how we can follow this marker over time.

Response to Public Meeting Comment #18-1

Staff added a VOC quantification method in Chapter 5b for refineries and staff will commit to further development of a methodology through the Technical Advisory Group (TAG). Air monitoring will help track progress. In addition, metrics such as number of citations or number of trucks replaced would be provided at the quarterly CSC updates, which will help track progress.

Response to Public Meeting Comment #18-2

See Response to Public Meeting Comment #5-2.

Response to Public Meeting Comment #18-3

Similar to previous MATES studies, staff will work to identify what portion of measured PM is DPM, and black carbon is a good marker that has been used before. Benzene will be directly monitored to help track progress. Diesel PM hotspots are looked at through multiple surrogates including black carbon, ultrafine, and NOx. Staff can measure methane emissions. Methane can also be used as a surrogate for other fugitive emissions such as natural gas. In any event, staff will use the appropriate marker or surrogate for the specific fugitive emissions identified.

**Public Meeting Comment #19: Jesse Marquez – Coalition for a Safe Environment**

19-1: The current CERP does not have goals nor measurable metrics of any type. The commenter used truck idling as an example, where, a goal would be to reduce truck idling, metrics would include identify a number of locations, identifying areas of concern, count the number of trucks idling at each location. Report back with number of citations given over a certain amount of time.

The commenter showed an example of what he would like the actions to entail with examples of goals, metrics, and tasks.

## Coalition For A Safe Environment

Received 8/7/19

### Examples of Metrics to Track Progress

<b>Goal # 1:</b>	<b>Reduce PM Emissions at oil refineries</b>
<b>Objective # 1:</b>	<b>Reduce Flaring Emissions</b>
<b>Metric # 1</b>	Identify the number of flare events at each refinery in 2000 - 2018
<b>Task</b>	<ul style="list-style-type: none"> <li>a. AQMD complete assessment by 1<sup>st</sup> quarter 2020</li> <li>b. AQMD post assessment report on website by 3<sup>rd</sup> quarter 2020</li> <li>c. AQMD host public meeting 4<sup>th</sup> quarter 2020</li> </ul>
<b>Metric # 2</b>	Identify the number of flare events caused by power failure
<b>Task</b>	<ul style="list-style-type: none"> <li>a. AQMD complete assessment by 2<sup>nd</sup> quarter 2020</li> <li>b. AQMD post assessment report on website by 3<sup>rd</sup> quarter 2020</li> <li>c. AQMD host public meeting by 4<sup>th</sup> quarter 2020</li> </ul>
<b>Metric # 3</b>	Identify methods to reduce power failures
<b>Task 1</b>	<p>Require refinery Back-Up Power Systems</p> <ul style="list-style-type: none"> <li>a. Assess Co-Generation Technologies</li> <li>b. Assess Hydrogen Fuel Technology</li> <li>c. Assess Solar Energy Technology</li> <li>d. Complete assessment by 4<sup>th</sup> quarter 2020</li> <li>e. Require installation by 4<sup>th</sup> quarter 2022</li> <li>f. Update refinery Title V Permit Requirements by 3<sup>rd</sup> quarter 2020</li> </ul>
<b>Task 2</b>	<p>Require refinery to purchase special LA DWP non-interruption industrial continuous power supply contract</p> <ul style="list-style-type: none"> <li>a. Research LA DWP non-interruption industrial power supply alternatives</li> <li>b. Complete research by 1<sup>st</sup> quarter 2020</li> <li>c. If none exist discuss feasibility of creating a new type of contract with LA DWP by 2<sup>nd</sup> quarter 2020</li> <li>d. If option exists require purchase by 2021</li> <li>e. Update refinery Title V Permit Requirements by 3<sup>rd</sup> quarter 2020</li> </ul>

The commenter would like to know why certain criteria pollutants and certain toxics increased even after new rules were implemented. The commenter requests that the source attribution is further broken down by facility. This will help CSC assess whether the rules have been effective in reducing emissions. The CSC would like to have annual reports to assess progress of the CERP.

#### Response to Public Meeting Comment #19-1

The goals are outlined in the actions to help track progress. Staff will conduct quarterly truck idling sweeps based on community input of prioritized locations. Staff will report back with metrics such as number of citations. . Staff has incorporated portions of the commenter's suggested template to address the request to include measurable metrics. Staff is also able to provide the CSC with annual emissions data to describe the measurable emission reductions to be obtained within this community. On the South Coast AQMD's website, Annual Emissions Report (AER) data is available for larger sources. AER data provides annual facility specific emissions data, and the emissions data for each refinery has been included in the CERP in response to this comment. More information can be found here: <http://www.aqmd.gov/home/rules-compliance/compliance/annual-emission-reporting>. Port emission data is available through the Clean Air Action Plan (CAAP) website: <http://www.cleanairactionplan.org/2017-clean-air-action-plan-update/>. As outlined in the statute or Blueprint, annual progress reports will be a part of the AB 617 process for the CERP.

#### Public Meeting Comment #20: Alicia Rivera – Communities for a Better Environment

20-1: Emissions reduction targets and metrics are not in the CERP. Commenter would like to know why they were not aware that refineries were the largest emitters of VOCs and NOx and if the emissions inventory has been updated to reflect the Fluxsense study. The commenter would like to see refinery emission reductions in pounds per year or tons per year. The commenter would like to see a projection of air pollution and planned emission reductions over the next 20 years. The commenter would like to see additional reductions on the sunseting of the RECLAIM program on refinery units.

A plan should first be developed, targets should be identified, the district should assess how to address it, and then the regulation should be adopted. The commenter expressed that the CSC should not have to wait for the rule development process to figure out targets and metrics and ways of achieving the targets and metrics. South Coast AQMD can develop details later.

#### Response to Public Meeting Comment #20-1

Chapter 5a of the CERP includes emission reductions targets. Fugitive emissions cannot yet be fully assessed until monitoring and enforcement efforts occur during the implementation of the CERP. Metrics are included as goals for many of the CERP actions and staff will provide updates to the CSC to track progress. Staff has committed to amend specific rules to address the CSC air quality priorities. Some rules will need to undergo the full rule development process to better determine emission reductions. The rule development process will help establish a better baseline of the source emissions, the available technology, and the methods to achieve emission reductions. Chapter 5b has been updated to include proposed goals in tons per year where possible, and percentage reduction where baseline is not yet determined. Large reductions will come from South Coast AQMD's rules that are in development. South Coast AQMD has begun

quantifying emission reductions from these rule development projects such as Rule 1109.1. Action 5, which includes the emission reductions from Rule 1109.1, has been added to Chapter 5b at the request of the CSC.

**Public Meeting Comment #21: Christopher Chavez – West Long Beach Active Resident, Coalition for Clean Air**

- 21-1: Toxics need to be part of the CERP discussion and targets in the CSC. The CSC should stay informed about rules related to AB 617 and when they come up. The CSC should remain informed about how these rules result in emission reductions in their community.
- 21-2: There should be a stronger health nexus in the CERP. Although the commenter approves of the inclusion of an asthma management program, this should not take away from having a strong nexus between health and the CERP.
- 21-3: The commenter would like to see the implementation of a very strong indirect source rule. It is important to clamp down on things that attract pollution, not just those that emit pollution.

**Response to Public Meeting Comment #21-1**

Addressing emissions from toxic air contaminants is a part of the AB 617 program and has been incorporated into the CERP. The source attribution analysis in Chapter 3b shows diesel particulate matter from mobile sources is the primary contributor to cancer risk in this community. As examples, actions in the CERP to address the emissions from the Ports or neighborhood truck traffic will address diesel PM. Actions to address VOC emissions from refineries and oil and gas extraction will also reduce associated gas-phase air toxics from those sources. South Coast AQMD is committed to informing the CSC of any rule development updates during the scheduled quarterly CSC meetings. Staff also encourages CSC members as well as any other interested members of the public to participate in the rule development processes applicable to this community.

**Response to Public Meeting Comment #21-2**

Staff is also committed to finding suitable agencies or organizations to collaborate with in developing or conveying the nexus between health and the CERP. South Coast AQMD is not the appropriate agency to develop that nexus, but staff recognizes that South Coast AQMD has tools or data that may be shared with the appropriate agencies to develop that requested nexus. Also, see Response to Public Meeting Comment #5-2.

**Response to Public Meeting Comment #21-3**

South Coast AQMD staff appreciates the interest in and support for the development of an Indirect Source Rule (ISR). Staff will provide updates to the CSC as written in the CERP actions.

#### Public Meeting Comment #22: Judeth Luong– Long Beach Department of Public Health

22-1: The commenter was pleased to see that Public Health Direct Programs such as asthma health management programs are being considered in the CERP. British Petroleum (BP) settlement funds had previously funded local regional programs such as asthma case management programs. Many local organizations and hospitals were funded by the BP settlement and had demonstrable success. The commenter encourages South Coast AQMD to bring back these programs, as many of the efforts and progress made are dwindling due to a lack of funding.

##### Response to Public Meeting Comment #22-1

The BP settlement funded many of these programs; however, there the funds have been largely spent. Staff will work to identify funding sources for and partners to collaborate with on asthma management programs.

#### Public Meeting Comment #23: William Koons – Carson Active Resident

23-1: The commenter gave staff locations of frequent truck idling and traffic along Lomita that he had previously mentioned during CSC meetings. He also gave locations of two other facilities where there is frequent idling and traffic. The commenter requested an improved complaint system where the complainant is given a tracking number and follow up.

##### Response to Public Meeting Comment #23-1

Staff incorporated the locations that were mentioned by the commenter at CSC Meeting #7 (July 11, 2019) in Chapter 5d, Action 1. City transportation departments may have data to track traffic. Traffic flow issues and congestion are not within the South Coast AQMD's expertise, but South Coast AQMD can partner with appropriate agencies and entities on air quality issues under South Coast AQMD's purview. Truck idling is allowed in certain situations, such as being stuck in traffic, queuing, or mechanical failure as noted in the Truck Idling Factsheet: <https://ww3.arb.ca.gov/msprog/truck-idling/factsheet.pdf>. A complaint submitted to 1-800-CUT-SMOG receives a complaint number which serves as a tracking number for follow up. Truck idling can also be reported to CARB through 1-800-END-SMOG.

#### Public Meeting Comment #24: Sylvia Arredondo – Wilmington Active Resident

24-1: It is important to keep businesses, industries, and sectors accountable. Commenter requested to have these added to the actions' implementing agencies section under the CERP. Commenter would like to see a year-to-year emissions reduction plan.

##### Response to Public Meeting Comment #24-1

Staff has added responsibilities to the appropriate industry stakeholders under the individual actions and the implementing agencies section (i.e., Chapter 5e). In response to the request for

a year to year emission reduction plan Chapter 5a provides 2017 emission levels and estimated future baseline emissions levels in years 2024 and 2030 with emission reduction targets. Additionally, Chapter 5h includes a commitment that the South Coast AQMD staff will provide an annual update to the CSC on the progress of meeting the emission reduction targets beginning in 2021.

**Public Meeting Comment #25: Salvador Lara– Wilmington Active Resident**

25-1: High levels of traffic on Lomita Blvd. happens very often due to an exit closure. As a result, the traffic goes through the neighborhood. Signs on their own do not work without enforcement of the requirements.

**Response to Public Meeting Comment #25-1**

Staff had added Lomita Blvd to the air quality concerns map. Staff is working with land use agencies, public works departments, and other responsible agencies to address policing and enforcement of ordinances related to traffic routing.

**Public Meeting Comment #26: Linda Bassett– Gulf Avenue Elementary School**

26-1: The commenter read out a comment on behalf of another CSC member who could not attend who opposes holding meetings on weekdays during normal work hours since that unfairly benefits those who work in industries that have a financial interest in South Coast AQMD policy decisions. It was also stated that for CSC members and community members who live and work in the community are unable to take time off and their voices are not heard. The commenter also said the CERP should be discussed and voted on by the AB 617 Committee. If the Committee does not get to vote on the CERP, then it lacks legitimacy.

**Response to Public Meeting Comment #26-1**

The schedule for CSC meetings was developed for the entire year, and posted online in January. Some meetings were scheduled for mornings based on comments received from other CSC members, who had childcare responsibilities in the evenings. At the end of the 2019 meeting schedule, there will have been ten CSC Meetings, with three of those taking place in the morning. The remaining morning meeting (October) will be held at the Carson Civic Center.

The South Coast AQMD Governing Board will be considering and voting on the CERP for adoption as part of a public meeting as required by state law. The CSC was established to build consensus around the proposed CERP. The meeting is open to the public and any comments regarding the CERP can be made during the public comment portion of the meeting. In addition, staff has been working closely with CSC members to gather input and address the air quality priorities. Staff has incorporated CSC input in the CERP. The CERP will not be voted on by the CSC, because the

objective of the CSC is to build a consensus to incorporate all perspectives and input from the CSC on behalf of the WCWLB community.

**Public Meeting Comment #27: Dulce Altamirano – Wilmington Active Resident**

27-1: How much will the pollution from the refineries be reduced (in pounds or tons per year) and by when?

**Response to Public Meeting Comment #27-1**

While emission reductions for certain actions such as fugitive VOCs cannot yet be quantified until additional monitoring work occurs, specific emission reduction targets have been added to the refinery actions in the CERP, either in terms of tons or in terms of percentage reduction. Significant reductions (3-4 tons per day) will be achieved from refineries through the rule development of Proposed Rule 1109.1. Additionally, Rule 1118 targets reductions in flaring events by 50%, or 19 tons per year of NO<sub>x</sub>, 11 tons per year of SO<sub>x</sub>, and 1 ton per year of VOCs.



## Public Meeting Comments (Stationary Source Committee – July 26, 2019)

### Public Meeting Comment #28: Jesse Marquez – Coalition for a Safe Environment

28-1: The air districts' obligations are outlined in Appendix C in the CARB Community Air Protection Blueprint. The commenter expressed concern that metrics are not outlined. A health metric is necessary and at a minimum CASPER should be incorporated.

#### Response to Public Meeting Comment #28-1

South Coast AQMD has been in discussions with CARB to ensure all elements of the Blueprint are met. Metrics have been outlined through the goals section of the Actions in the CERP, and new metrics and emission reductions goals have been added in subsequent drafts. See Response to CSC Meeting #8 Public Comment 1-1, regarding health studies and metrics.

### Public Meeting Comment #29: Kevin Maggay – Southern California Gas Company (SoCalGas)

29-1: Electric trucks have limitations. South Coast AQMD staff should focus on long-range trucks, and prioritize trucks based on available technology.

#### Response to Public Meeting Comment #29-1

Staff is aware that electric trucks may have limitations and are not suitable replacements for all applications. South Coast AQMD supports the cleanest technology that is technologically feasible and commercially available.

### Public Meeting Comment #30: Florence Gharibian – Del Amo Action Committee

30-1: There should be more “no truck idling” signage. Truck traffic is making the roads worse. Commenter would like to focus on technology to reduce particulate matter emissions, and community health surveys.

#### Response to Public Meeting Comment #30-1

Staff will continue to work with the CSC and collaborating agencies to identify locations for “no truck idling” signs. Staff will also work with the appropriate city agencies or entities to assess the feasibility sign placement and enforcement.

Emission reduction targets are included in Chapter 5a. The CERP addresses PM emissions. An example of an action that reduces PM is in Chapter 5b, Action 2 involving diesel truck replacements.

Staff may evaluate the feasibility of conducting a community health survey if a collaborating agency is identified and if it is requested by the CSC.

Public Meeting Comment #31: Christopher Chavez – West Long Beach Active Resident, Coalition for Clean Air

31-1: There is a need for emission reduction targets. State and Federal attainment goals should be met. An assessment of health outcomes would be helpful to the community. In addition to incentives, enforcement and rules should be included in the CERP, along with a strong Memorandum of Understanding (MOU) for Ports.

Response to Public Meeting Comment #31-1

Emission reduction targets have been included in Chapters 5a and 5b. Staff plans to achieve State and Federal attainment goals through the Air Quality Management Plan (AQMP) to address regional air pollution. The CERP is focused on actions within this community to address local air pollution. Incentives are just one strategy identified in the CERP. A combination of strategies such as monitoring, enforcement, regulations, and collaborations are also included as strategies to achieve emission reductions. Regarding health outcomes see Response to Public Meeting Comment #5-2

Staff is in communication with the Ports and is engaged in a public process to determine the terms of a MOU for the Ports. Staff encourages CSC members to participate in the working group meetings with the Ports.

## Comment Letters

### Comment Letter #1: Jesse Marquez – Coalition for a Safe Environment

Comment Letter #1 *Rec'd from Jesse Marquez*  
**Coalition For A Safe Environment** 6.13.19

#### AB 617 CERP Public Comments

6.13.2019

(1<sup>st</sup> Draft To Be Updated)

### Chapter 5 Ports

#### Community Air Quality Priority

1. Community Air Quality Priority is Zero Emissions from all ports, shipping, freight transportation and supporting industry vehicles and equipment sources using Zero Emission Technologies immediately.
2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years. 1-1
3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved.
4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all emission sources within 1 year.
5. Community Air Quality Priority is the establishment of a Public Health Baseline for Port Communities. 1-2

#### Community Request Priority for the South Coast AQMD

1. Community Request Priority for the South Coast AQMD is to create a comprehensive inventory list of all Port air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources supporting activities, itemized by vehicle and equipment type, to include: all supporting freight transportation routes, container storage yards, petroleum industry marine terminals, lift bridges & back-up generators, container fumigation facilities, container transloading facilities, etc. and all emissions by chemical type and annual emission quantities. Not an abbreviated short list. 1-3
2. Community Request Priority for the South Coast AQMD is to update the Ports inventories with all community identified air pollution source that are missing and for the SCAQMD to immediately establish the emissions quantities.
3. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies and identify all ports, shipping and freight transportation industry vehicles and equipment where these technologies can be applied now. 1-4

4. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB At-Berth Rule stating that:	
<ul style="list-style-type: none"> <li>No-Ship Category such as Break Bulk Ships be exempted.</li> <li>Include all ships at At-Berth and At-Ancor</li> <li>No grants or incentives be given to any technology company that does not show evidence of owning patents or have the rights to use patented technologies.</li> </ul>	1-5
5. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB Mobile Cargo Handling Equipment Regulation supporting all CHE be Zero Emissions within 5 years. Zero Emission Hydrogen Fuel Cell Electric Battery Technology exists now to replace all most all <del>electric</del> engines.	1-6
6. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and reduce to less than significant emissions from all Port and Freight Transportation Industry magnet sources and off-port tidelands indirect sources supporting industries within 1 year. State and federal law already allow it.	1-7
7. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB Commercial Harbor Craft Regulation supporting all CHC be Zero Emissions within 5 years. Zero Emission Hydrogen Fuel Cell Electric Battery Technology exists now to replace all most all electric engines.	1-8
8. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.	1-9
9. Community Request Priority for the South Coast AQMD to pay all past debt grant funds to minority owned small business technology companies who have completed their green technology demonstration or pilot projects immediately whose technology is supported by the community.	1-10

#### Response to Comment Letter #1-1

South Coast AQMD strongly supports the development and deployment of zero-emission vehicles and equipment as a key strategy in achieving the region's air quality goals and protecting public health. South Coast AQMD has funded a variety of zero-emission (ZE) technologies over the years, including battery and fuel cell electric trucks and cargo handling equipment, leveraging grants from both federal and state agencies as well as cost shares from regional stakeholders such as Ports of Los Angeles and Long Beach. Although significant progress has been made in development of zero-emission technologies, most of these technologies are not yet ready for commercial market in terms of economic viability and technology maturity. For example, there are currently no feasible models of zero-emission heavy duty trucks commercially available,

although we expect that will change in the near term. South Coast AQMD will continue its on-going efforts to support the development of these zero-emission technologies to accelerate their commercialization and deployment as early as possible.

Pursuant to South Coast AQMD's Governing Board direction, South Coast AQMD staff is currently working with Ports of Los Angeles and Long Beach staff to develop a Memorandum of Understanding (MOU) based on the implementation of strategies in the San Pedro Bay Ports Clean Air Action Plan (CAAP) to accelerate the deployment of commercially available zero and near zero-emission vehicles and equipment in port-related operations and to achieve near-term emission reductions. In the event that the MOU approach with the Ports is not successful; staff will recommend a regulatory approach to South Coast AQMD Governing Board.

Response to Comment Letter #1-2

See Response to Public Comment Letter #5-2.

Response to Comment Letter #1-3

Annually, the Ports of Los Angeles and Long Beach prepare detailed emissions inventory reports on air emissions from port-related mobile sources including ocean-going vessels, harbor craft, cargo handling equipment, locomotives, and drayage trucks. The emission inventory reports are developed in coordination with a technical working group which consists of the two Ports, South Coast AQMD, CARB and U.S. EPA. In addition, most of stationary sources, including liquid and dry bulk terminals and container fumigation facilities, are regulated by South Coast AQMD and some of the larger facilities are also subject to annual emission reporting requirement to South Coast AQMD (i.e., included in the point source inventory). Other sources of air emissions at the Ports are also monitored and regulated by other agencies including CARB and U.S. EPA and subject to their reporting and recordkeeping requirements. As such, the majority of port sources are already included in the emissions inventory; however, staff will continue to work with all stakeholders including community members to make further improvements and refinements to the Ports emissions inventories. The emissions inventories for the Ports of LA and LB can be found on these websites:

<https://www.portoflosangeles.org/environment/air-quality/air-emissions-inventory>

<http://www.polb.com/environment/air/emissions.asp>

Response to Comment Letter #1-4

As required under the 2017 CAAP Update, the Ports have conducted technical feasibility assessments of zero and near zero-emission technologies for drayage trucks and cargo handling equipment. A final report for drayage trucks was released in April 2019 with overall assessment of various zero and near zero-emission truck technologies including battery electric trucks and NZE CNG trucks in terms of operational capability, commercial availability and infrastructure support. A draft report for cargo handling equipment was also released in April 2019 with the final report expected by this summer. In addition, CARB, in collaboration with South Coast AQMD,



has developed technology assessments for a variety of mobile sources, including trucks and buses, locomotives, commercial harbor crafts, cargo handling equipment and ocean-going vessels, and these reports can be found at <https://ww2.arb.ca.gov/resources/documents/technology-and-fuels-assessments>.

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). The Technology Clearinghouse keeps track of technologies such as BART. Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process. Permit considerations for both new and modified sources throughout the district are based on rule requirements. South Coast AQMD is conducting Best Available Retrofit Control Technology (BARCT) assessments as part of the rule development efforts to transition RECLAIM facilities to command-and-control.

#### Response to Comment Letter #1-5

South Coast AQMD staff has been tracking CARB's proposed At-Berth regulation amendment through participating in public workshops as well as inter-agency meetings with CARB staff to share updates and comments. South Coast AQMD staff will continue to work closely with CARB on inclusion of various vessel types in the proposed regulation to the extent that the applicable control technologies are technically feasible, cost-effective and operationally safe. For vessel types that these controls may not be feasible, incentive programs will be developed to achieve surplus reductions.

CARB is currently assessing various zero-emission technologies for cargo handling operations with a tentative schedule to adopt the zero-emission cargo handling equipment regulation in 2022. South Coast AQMD staff will monitor and participate in the development of the regulation through public workshops, workgroup meetings, and other venues to support and accelerate the adoption and deployment of zero-emission cargo handling equipment at our Ports as early as practicable. A number of promising technology demonstration projects are currently underway to demonstrate zero and near-zero-emission technologies for cargo handling equipment, however, many of these technologies, including fuel cell electric technologies, are not feasible or commercially available for heavy-duty cargo handling operations.

#### Response to Comment Letter #1-6

South Coast AQMD has funded, and will continue to fund, development and demonstration of a wide range of zero- and near zero-emission technologies, including battery or fuel cell electric trucks and cargo handling equipment, leveraging grants from both federal and state agencies as

well as cost shares from regional stakeholders such as Ports of Los Angeles and Long Beach. In addition, South Coast AQMD has supported deployment of CARB approved control technologies, including zero- and near zero-emission technologies, through various incentive programs such as Carl Moyer and Prop 1B. While we agree that zero-emission technologies are the future and show great promise, currently zero-emission technology is not feasible or available for all applications, particularly those in heavy-duty.

#### Response to Comment Letter #1-7

Per South Coast AQMD's Governing Board directive, South Coast AQMD staff has been working on development of an MOU with the Ports to achieve quantifiable emission reductions and realize SIP credits through implementation of CAAP measures. We believe this approach provides a path to get emission reductions faster and in a more effective way than through regulation. Through the MOU, the Ports would make a binding commitment to reduce emissions. A Ports MOU Working Group has also been established to assist in the MOU development process. However, as noted earlier, if the MOU approach is not successful, South Coast AQMD staff will recommend a regulatory approach to South Coast AQMD Governing Board (i.e., indirect source rule).

#### Response to Comment Letter #1-8

CARB is currently conducting a survey to assess commercial availability and technical feasibility of various zero and near zero-emission technologies for commercial harbor craft, with a tentative schedule to amend the Commercial Harbor Craft regulation in 2020. South Coast AQMD staff will monitor and participate in the proposed amendment process through public workshops, workgroup meetings, and other venues to support and accelerate the adoption and deployment of cleanest harbor craft technologies, including battery electric and fuel cell powertrains.

#### Response to Comment Letter #1-9

South Coast AQMD has funded, and will continue to fund, development and demonstration of a wide range of zero and near zero-emission technologies, including battery or fuel cell electric trucks and cargo handling equipment, leveraging grants from both federal and state agencies as well as cost shares from regional stakeholders such as Ports of Los Angeles and Long Beach. In addition, South Coast AQMD has supported deployment of CARB approved control technologies, including zero- and near zero-emission technologies, through various incentive programs such as Carl Moyer and Prop 1B. While we agree that zero-emission technologies are the future and show great promise, currently zero-emission technology is not feasible or available for all applications, particularly those in heavy-duty.

#### Response to Comment Letter #1-10

Requests to pay-off debts for minority-owned small business technology companies are not within the scope of AB 617.





## Comment Letter #2: Greg Roche – Clean Energy Fuels

## Comment Letter #2

Community Emission Reduction Plan  
(CERP) Comment Form

## AB617 Year 1 Community

Wilmington, Carson, West Long Beach

## AB617 Year 1 Community Code

WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

## Form Information

Date Created

06/20/2019

Time Created

8:37 AM

## Commentor Contact Information

Commenter's Name \*

GREG ROCHE

Affiliation \*

Business Representative

Email Address \*

[REDACTED]

Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

<p><b>Comments (Unlimited Size) *</b></p> <p>Existing grant programs do not work well enough for port trucks to achieve good participation rates. Grant programs are unnecessarily incredibly complex and restrictive. For example in a very recent grant program, less than 30% of 285 port trucks evaluated were suitable for grant submission. Once an application is submitted, the grant process takes over a year to issue a grant contract. This is simply too long. The only grant program that is streamlined is the CARB HVIP Voucher program, but unfortunately the \$45,000 grant amount is too small for port truckers to be able to afford a new clean truck. What is needed is a port-specific "superfund" grant program modeled after HVIP that is simple to apply, quick to award, and provides \$100,000 funding per truck.</p> <p>A major source of toxic diesel emissions is coming from trucks that have emission control systems that do not work properly. The visible evidence is everywhere in the port area and on the freeways. You can see the telltale plume of smoke as trucks shift gears, accelerate, or go up hills. This has become common and is becoming more and more prevalent with time. There needs to be a smoking truck patrol that is assigned to the port area and issues tickets to smoking trucks.</p> <p>The most important emissions reductions are the reductions that happen today, not at some unknown point in the future. Technologies that are available today need to replace the existing diesel truck fleet now. We cannot wait, we are all breathing polluted air. Ultralow-NOx trucks already exist and are being placed in operation. The trucks have air emissions that are as low as battery electric trucks that are charged by the power grid, and climate emissions that are even lower than electric trucks. There is no need to wait, the technology for cleaning the air is available now.</p>	<p>2-1</p> <p>2-2</p> <p>2-3</p>
<p><b>Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)</b></p> <p>Archivos de comentarios sobre el CERP</p>	
<p><b>Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)</b></p> <p>CERP Comment Files</p>	
<p>Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.</p> <p>Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto</p> <p>For More Information Contact: ab617@aqmd.gov</p> <p>Para más información contáctese con: ab617@aqmd.gov</p>	

### Response to Comment Letter #2-1

South Coast AQMD is continuously looking to identify new incentive funding programs to replace as many higher polluting trucks with cleaner technology that exceeds current requirements. Existing grant funds, such as Carl Moyer, have state approved implementation guidelines that require surplus emission reductions, funding fleets that are in compliance with existing regulations and not encouraging fleets and truck operators to receive public funds to pay for compliance. Implementation of Prop 1B funds does not have the same level of requirements, but still includes provisions to ensure that the emission reduction benefits are real and quantifiable, requiring additional reporting. South Coast AQMD staff expeditiously reviews applications and distributes incentive funds as quickly as possible. However, the number of applications received, and commensurate requested funding levels typically is significantly higher than available funds. As part of the process, applications are reviewed to ensure they meet incentive program funding guidelines and the most cost-effective projects are prioritized, including truck replacements.

Additionally, South Coast AQMD continues to apply for and implement grants funds that do not have the same degree of constraints, such as federal grants that provide flexibility to implement other approaches, including trade down approaches to provide lower emitting trucks to Independent Owner Operators (IOOs). Lastly, South Coast AQMD staff plans to use the approved CERP to implement approaches that accelerate emission reductions from all priority categories, including heavy duty trucks.

#### Response to Comment Letter #2-2

During the Community Steering Committee (CSC) meetings, and subsequently captured in the Draft Final CERP, CARB and South Coast AQMD plan to increase focused enforcement efforts to address idling and smoking trucks. CARB plans to implement additional compliance approaches to identify and notify the gross polluters and provide support to address issues, including repair of emission control systems. One strategy CARB is using to address gross polluters is working with the Department of Motor Vehicles to deny truck owners from renewing registrations for trucks that do not pass smog.

CARB intends to conduct enhanced roadside inspections in the areas surrounding the Ports of Los Angeles and Long Beach to identify and cite vehicles out of compliance with CARB regulations. Using CSC input to locate areas where the community has expressed concern with smoking and idling vehicles, CARB will conduct roadside inspections within areas where they can enforce (e.g., cannot pull vehicles over on freeways, but can on surface streets for inspections). In addition to gathering CSC's input, CARB and South Coast AQMD staff are regularly in the field conducting other enforcement efforts, and plan to document idling and smoking vehicles to further support the enhanced roadside inspection program.

There has been a recent reduction in allowable smoke opacity changing from 40 percent to five percent for heavy-duty trucks with diesel particulate filters. Smoke opacity is used to describe and measure the level of visible black smoke emissions. It is a method used to measure a PM-related emission parameter in the field. With this change in measurement, CARB enforcement staff will be able to ensure that vehicles are properly maintained. In addition to providing citations to non-compliant trucks, CARB enforcement staff will also distribute pamphlets to truck drivers on how to properly maintain emissions control equipment. CARB is also conducting research to determine the effectiveness of heavy-duty diesel vehicle onboard diagnostic systems to better support proper maintenance of heavy-duty diesel trucks in South Coast AQMD's AB 617 communities and will provide updates on the research's results when available.

#### Response to Comment Letter #2-3

South Coast AQMD was instrumental in providing funding for the development and certification of the near zero-emission (certified to be 90% cleaner than the existing NOx standard) engines, and continues to provide funds to replace higher polluting trucks with new cleaner trucks that meet the optional low NOx standards (OLNS), with approximately 500 near zero-emission natural gas 12L trucks funded to date, as well as hundreds of Class 5-7 trucks. South Coast AQMD is

working with the state and federal agencies to develop and certify additional lower and higher displacement internal combustion engines that meet the OLNS, using liquid or gaseous renewable fuels. Additionally, South Coast AQMD continues to fund the development of zero-emission Class 8 trucks that utilize battery electric and fuel cell power plants. South Coast AQMD staff is working closely with CARB on lowering the heavy-duty engine standard in California and has petitioned the U.S. EPA to establish near zero-emission NOx standard for the nation.

Comment Letter #3: Matt Baca – Los Angeles County Department of Public Health

7/2/2019

AB617 Comment Form



## Comment Letter #3

### Community Emission Reduction Plan (CERP) Comment Form

#### AB617 Year 1 Community

Wilmington, Carson, West Long Beach

#### AB617 Year 1 Community Code

WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

#### Language Preference

☒ English ☐ Español

#### Form Information

##### Date Created

06/20/2019

##### Time Created

10:21 AM

#### Commentor Contact Information

##### Commenter's Name \*

MATT BACA, BSHA, DR, TLO

##### Affiliation \*

Agency, School, University or Hospital

##### Email Address \*

[REDACTED]

##### Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

#### Comments (Unlimited Size) \*

Please see attachment.

Thank you.

Matt Baca, BSHA, DR, TLO

Project Manager

Toxicology and Environmental Assessment

Department of Public Health

County of Los Angeles

#### Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)

Archivos de comentarios sobre el CERP

3-1

Response to Comment Letter #3-1

No attachment was submitted. The comment was resubmitted under Comment Letter #7 on June 24, 2019. Please see Response to Comment Letter ##7.

Comment Letter #4: Ray Cheung – SmartAir LA

## Comment Letter #4



### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community  
Wilmington, Carson, West Long Beach

AB617 Year 1 Community Code  
WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created  
06/24/2019

Time Created  
8:49 AM

#### Commentor Contact Information

Commenter's Name \*  
RAY CHEUNG

Affiliation \*  
Community Organization

Email Address \*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.



**Comments (Unlimited Size) \***

While recognizing that SCAQMD is not a public health agency, the SCAQMD AB617 Community Emission Reductions Plan (CERP) needs to explicitly state that the goal of its pollution mitigation measures is to improve community health outcomes for chronic illnesses exacerbated by pollution, such as asthma. To achieve this goal, the CERP should support policies that improve health outcomes from reduced air pollution by establishing programmatic partnerships and allocate CARB funds to projects with public health agencies and community health organizations to mitigate the adverse health impacts from pollution exposure.

4-1

The CERP should be linked to the Los Angeles County Department's Community Health Improvement Plan (CHIP), which is approved by the Los Angeles County Board of Supervisors. The CHIP has prioritized protecting public health near oil and gas facilities. <http://publichealth.lacounty.gov/plan/chip.htm>. SCAQMD can support the projects identified by the CHIP by:

- Provide real-time SCAQMD's air pollution monitoring data from the pollution sources identified by the CERP (Sections 5b, 5c, 5d, 5E, 5f) to LACDPH and community organizations. This enables projects identified in the CHIP to:
  - o alert residents of the presence of high levels of pollutants so that residents can adopt protective measures to reduce pollution exposure.
  - o use air pollution monitoring data to implement targeted population health interventions to improve the management of chronic illnesses exacerbated by pollution and reduce pollution exposure among sensitive populations.
- Use CARB/AB617 funds to support projects identified in the CHIP to reduce pollution exposure and mitigate the adverse health impacts exacerbated by pollution. This includes:
  - o support the use of technologies that improve the control of asthma for patients during episodes of high exposure to pollutants, in addition to air monitoring and filtration systems for schools, childcare centers and home (Section 5G).

Also, the SCAQMD should use asthma incidence and hospitalization rates in the AB617 communities to guide the air pollution enforcement mechanisms identified in the CERP (Sections 5b, 5c, 5d, 5E, 5f). This includes increased air pollution inspections during periods of high rates of asthma hospitalizations.

Action 4 in Chapter 5G (Increase Green Space in Areas Where People Spend Time) focus should be "creating air pollution buffer zones for sensitive populations." Initiatives should include partnerships with the respective agencies and community organizations to create greenbelts through tree planting, enforce truck idling free zones, reduce diesel freight traffic from the schools when children are present, and the development of land-use plans that limit pollution-emission activities.

4-2

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)**

CERP Comment Files

**Note:** Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

**Nota:** los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

**For More Information Contact:** [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

**Para más información contáctese con:** [ab617@aqmd.gov](mailto:ab617@aqmd.gov)

**Response to Comment Letter #4-1**

Regarding health outcomes please see Response to Public Meeting Comment #5-2. The Los Angeles County Department of Public Health is currently developing the new Community Health Improvement Plan (CHIP) (2019-2025) and the details of the CHIP have not been finalized. Staff



can commit to reviewing the finalized CHIP and incorporate air quality related information to address or mitigate emissions from oil drilling and production sites.

Real-time monitoring data is available for ambient levels of air pollution at the end of each hour in the form of an hourly average. The South Coast AQMD has launched its AB 617 Community Air Monitoring website and its Data Display tool featuring air quality data reporting from selected fixed community air monitoring stations. The primary goal of this tool is to share preliminary continuous air measurements in near real time and finalized results of laboratory analyses and mobile platform survey monitoring. Additional information can be provided upon request. In addition, monitoring strategies are incorporated in Chapter 5d, Action 1 to reduce fugitive emissions from oil wells and associated activities at oil drilling and production facilities. Monitoring strategies include conducting mobile monitoring around oil drilling sites to identify potential leaks and sharing monitoring data partner agencies. This action also includes making monitoring data available and online in a user-friendly format. Additional details on monitoring in this community can be found in the Community Air Monitoring Plan (CAMP) which can be found here: [https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb\\_camp.pdf?sfvrsn=6](https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlb_camp.pdf?sfvrsn=6).

A number of factors can contribute to asthma incidences and hospitalization rates (e.g., dust, smoking, seasonal variations, wildfires, etc.). Thus, the number of or increased air pollution inspections may not correlate with lowering rates of asthma hospitalizations. For example, the Air Quality Index on South Coast AQMD's website can indicate "Unhealthy" air days based on ozone and PM and those with asthma or respiratory diseases are encouraged to stay indoors; regardless of increased enforcement, other contributors (e.g., weather, wind) can attribute to an "Unhealthy" air day and possibly exacerbate asthma incidences. Staff will work to identify additional actions to improve public health, including public health interventions that have a nexus to air quality improvements.

#### Response to Comment Letter #4-2

South Coast AQMD will prioritize buffer zones for sensitive populations when new or existing sources or programs that can provide funding for tree planting are identified. South Coast AQMD is looking to partner with appropriate entities and organizations to encourage greenbelts through tree planting, enforcing truck idling free zones, reducing diesel freight traffic near schools when children are present, and the development of land-use plans that reduce near-source exposures. Although partners have not yet been identified, staff has incorporated other actions to address truck idling emissions in Chapter 5d – Neighborhood Truck Traffic, Action 1 and railyard emissions in Chapter 5f – Railyards, Action 1. To reduce exposure to diesel emissions at schools, school air filtration systems will be installed with priority given to schools near truck routes, railyards, and/or major freeways and is included in Chapter 5g, - Schools, Childcare Centers, and Homes, Action 2. Although the CERP does not include an action on the development of land-use plans to limit pollution-emission activities, the South Coast AQMD California Environmental Quality Act

(CEQA) Intergovernmental Review (IGR) staff regularly reviews documents prepared through land-use agencies and provides comments. Any comments that are submitted on a project where we are a commenting agency, can be viewed online: <http://www.aqmd.gov/home/rules-compliance/ceqa/commenting-agency>.

Comment Letter #5: Alyssa Beltran – County of Los Angeles Department of Public Health

7/2/2019

AB617 Comment Form



## Comment Letter #5

### Community Emission Reduction Plan (CERP) Comment Form

#### AB617 Year 1 Community

Wilmington, Carson, West Long Beach

#### AB617 Year 1 Community Code

WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

#### Language Preference

☒ English ☐ Español

#### Form Information

##### Date Created

06/24/2019

##### Time Created

1:49 PM

#### Commentor Contact Information

##### Commenter's Name \*

ALYSSA BELTRAN, MPH

##### Affiliation \*

Agency, School, University or Hospital

##### Email Address \*

[REDACTED]

##### Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

#### Comments (Unlimited Size) \*

The Los Angeles County Department of Public Health submits our review and recommendations on the Discussion Draft CERP.

5-1

#### Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)

Archivos de comentarios sobre el CERP

#### Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)

CERP Comment Files

Response to Comment Letter #5-1

No attachment was submitted. The comment was resubmitted under Comment Letter #7 on June 24, 2019. Please see Response to Comment Letter #7.

Comment Letter #6: Lupe Valdez – Union Pacific (letter on behalf of Union Pacific and BNSF Railway)

7/2/2019

AB617 Comment Form



## Comment Letter #6

### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**  
Wilmington, Carson, West Long Beach

**AB617 Year 1 Community Code**  
WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference  
☒ English ☐ Español

#### Form Information

Date Created	Time Created
06/24/2019	3:44 PM

#### Commentor Contact Information

<b>Commenter's Name *</b> LUPE VALDEZ	<b>Affiliation *</b> Business Representative
<b>Email Address *</b> [REDACTED]	
<b>Email Address Valid (Y/N)</b> Y	

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

7/2/2019

AB617 Comment Form

**Comments (Unlimited Size) \***

Union Pacific appreciates serving on the Steering Committee, and we offer the following comments on behalf of ourselves and BNSF Railway.

1. Page 5-1 of the draft CERP states that "Regional rail volumes are projected to more than double between 2012-2040 in response to growing international trade." Many variables are at play, and recent volumes suggest that the projection may be optimistic, at least in the near-term.
  2. Page 5-1 indicates that two railyards are located within the Wilmington, Carson, West Long Beach community, including BNSF Watson and Union Pacific Dolores/Intermodal Container Transfer Facility (ICTF). Locomotives, drayage trucks, cargo handling equipment (such as cranes, top picks and off-road yard trucks), and Transport Refrigeration Units are used at the Dolores/ICTF yard, while the Watson yard has no drayage trucks, cranes, top picks, or off-road yard trucks.
  3. We suggest the following edit in the Federal Actions section on page 5-2 to clarify U.S. EPA's role in regulating locomotive emissions.
    - a. "Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, while locomotive emissions are regulated by the U.S. Environmental Protection Agency."
  4. On page 5-2, the draft states that "[The EPA] regulations do not require railroads to reduce their usage of older, higher-emitting locomotives." Please add "Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time."
  5. On page 5-2, the draft states: "In 2017, CARB also petitioned EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines." Please add "The CARB petition is under review by the EPA."
  6. Page 5-3 states that the District "is evaluating potential strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions." The railroads have participated in workshops related to Facility Based Mobile Source Measures and will continue to engage with District staff and the community. Any ISR proposals must be within the District's legal authority.
  7. Page 5-3 states that "[EPA's] regulations limit idling for both new and remanufactured locomotives..." EPA regulations do not limit idling, but instead require the installation of devices that reduce idling on newly manufactured and remanufactured locomotives.
  8. UP and BNSF have a multi-decade track record of improving air quality within the District and appreciate the District's successful efforts to partner with us to provide incentives to develop and test new cleaner technology used in railyards and locomotives.
  9. The railroads are updating emissions inventories for several southern California railyards which show significant reductions. We are reviewing these with District staff.
  10. Again, thank you for the opportunity to be a member of the Steering Committee. Please call or email with questions.
- Lupe Valdez  
Senior Director Public Affairs, Southern California & Arizona  
Union Pacific Railroad

6-1

6-2

6-3

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Response to Comment Letter #6-1**

Staff revised the sentence in Chapter 5f to "Regional rail container volumes are projected to increase between 2012 - 2040 in response to growing international trade." A footnote was added to note that "The BNSF Watson yard does not have drayage trucks, cranes, top picks, or off-road yard trucks."

**Response to Comment Letter #6-2**

Staff clarified the sentences in Chapter 5f to state "Railroad operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, while locomotive emissions are regulated by the U.S. EPA." and "Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time."

The Draft CERP included the sentence “The CARB petition is under review by the EPA”. However, to elaborate and provide clarification, in the Draft Final CERP staff has replaced this sentence with: “In 2017, the California Air Resources Board (CARB) petitioned the U.S. EPA to update emission standards for new and remanufactured locomotives, establishing a cleaner Tier 5 standard for new engines. The petition asked that the new emission standards go into effect in 2023 for remanufactured locomotives, and 2025 for new locomotives. South Coast AQMD supported the petition by sending a letter of support. The U.S. EPA acknowledged the receipt of the petition, but has not provided any update or plans for further action.” In addition, a footnote was also added to provide additional information: “Even if the U.S. EPA were to update the emission standards in response to the petition, the new standards would only apply to new and remanufactured locomotive engines. Given the slow turnover of the railroads’ fleet, emission reductions would not be immediate.”

Staff also included this sentence in Chapter 5f to provide information on the railroads: “The railroads have participated in workshops related to Facility Based Mobile Source Measures and will continue to work with South Coast AQMD staff and the community.” Staff removed the sentence “These regulations also limit idling for both new and remanufactured locomotives and mandate the use of ultra-low sulfur diesel fuel” and replaced the sentence with “These regulations require the installation of devices that reduce idling on newly manufactured and remanufactured locomotives.”

#### Response to Comment Letter #6-3

Staff will continue to work with the railroads on emissions inventory data and to provide incentives for cleaner technology that goes above and beyond current requirements.

Comment Letter #7: Alyssa Beltran – County of Los Angeles Department of Public Health

Comment Letter #7



Community Emission Reduction Plan  
(CERP) Comment Form

**AB617 Year 1 Community**

Wilmington, Carson, West Long Beach

**AB617 Year 1 Community Code**

WIL

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

**Form Information**

Date Created

06/24/2019

Time Created

4:03 PM

**Commentor Contact Information**

Commenter's Name \*

ALYSSA BELTRAN, MPH

Affiliation \*

Agency, School, University or Hospital

Email Address \*

[REDACTED]

Email Address Valid (Y/N)

Y

Error: You Entered an invalid email address. Please reenter.


Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

Comments (Unlimited Size) \*

The Los Angeles County Department of Public Health (LAC DPH) Toxicology and Environmental Assessment (TEA) Branch participates on the Wilmington, Carson, and West Long Beach AB617 Community Steering Committee. LAC DPH review and recommendations on the Discussion Draft CERP are included as an attachment.



Comment Letter #7

	<b>Environmental Health Services</b> Toxicology and Environmental Assessment	<b>Submitted By</b> Matt Baca, BSHA, DR, TLO, Project Manager
<b>Executive Summary</b> The Los Angeles County Department of Public Health (LAC DPH) Toxicology and Environmental Assessment (TEA) Branch participates on the Wilmington, Carson, and West Long Beach AB617 Community Steering Committee (CSC). LAC DPH has reviewed the draft CERP documents provided by SCAQMD through the lens of environmental science, policy, community engagement, information sharing, and past engagement with the community. The review utilizes the California Air Resource Board (CARB) Blueprint for a base line comparison in relations with relevant actions provided by the SCAQMD produced Community Emission Reduction Plan (CERP). LACDPH review and recommendations are listed below in the following table for consideration.		
Actions the CERP should focus on according to the Blueprint	Relevant actions from the CERP draft	DPH recommendations to address gaps
<u>Community Steering Committee</u>	There are 34 primary members that comprise the CSC Roster as per Table 2-1. Table 2-2 shows the number of attendees at the CSC meetings.	Based on our attendance at CSC meetings, several CSC primary or alternate members are not present. On average around 15 members do not show based on unclaimed tent cards. DPH recommends improving CSC attendance by sending out meeting schedules in advance and during work time hours. Also, reporting the number of CSC attendees and meeting minutes from each meeting in Table 2-2 for transparency and accountability purpose is important.
<u>Technical Foundation</u> : "...that characterizes the community specific air pollution challenges and identifies key pollutants to be addressed in the CERP...technical assessment will provide a community profile of baseline pollution..."	Not included in CERP	Chapter 3B "Source Attribution" must include the technical assessment of the community. The baseline pollution metrics must be established here for all contributing stationary, mobile, and area-wide sources. As outlined in the Blueprint, this section should provide the "community-level emissions inventories and available methodologies for identifying and assessing contribution emissions sources" such as diesel particulate reductions.

7-1

7-2

<p><u>Measurable targets:</u> "...designed to focus on health-based air quality objectives for reducing emissions and exposure caused by local sources within and directly surrounding selected communities...Establishing specific, quantifiable, and measurable targets is critical to guide strategy development, track progress over time, and provide the baseline from which emissions reductions can be tracked and reported."</p>	<p>Not included in CERP</p>	<p>DPH recommends that each Chapter 5A-5G identify the Measurable Targets to address community emissions reductions from 1) refineries, 2) ports, 3) truck traffic, 4) oil drilling and production, 5) railroads, and at 6) schools, childcare centers and homes. Additionally, include health-based and data-driven air quality objectives including, but not limited to, the collection of community-level health data to be able to link emissions reductions to improved health outcomes. It is important that both the targets and baseline are established; therefore, it is possible to track progress of emissions reductions over time.</p>	7-3
<p><u>Near-term deadlines:</u> "define actions to meet the targets to be achieved within five years, along with an implementation schedule that includes immediate actions over the five-year timeframe."</p>	<p>Estimated timelines are provided for each action, but majority of these timelines are associated with providing updates to the CSC. In addition, some of these timelines are well beyond the five-year timeframe (see Action #2 in Neighborhood Truck Traffic regarding CARB's New Regulations phase in 2024-2030).</p>	<p>Develop clear overall timelines for the purpose of establishing near-term deadlines or "estimated timelines" to achieve the measurable targets. Providing updates to the CSC is given as per the Blueprint. DPH recommends that the estimated timelines are directly related to when AQMD plans to have met the specified goals. For example, Action #2 in Ports identifies a goal to "complete technology demonstration for retrofitting ships". What is the deadline for completing these demonstration projects?</p>	7-4
<p><u>Implementation Strategies:</u> "Each strategy will include a timeframe for action and implementation...will complement existing programs but will also require new approach to accentuate and focus direct reductions in emissions and air pollution exposure within the community to meet the emissions reduction targets" including:</p>	<p>- CERP draft lacks analysis addressing how existing rules have so far resulted in improvement for Wilmington; e.g. how effective are existing rules at addressing the odor complaints shown in fig 4.1? CERP lacks a concise summary of new rules and regulations and analysis of how new rules will address identified gaps and result in AQ improvement.</p>	<p>- Conduct an analysis of existing rules and determine how effective current rules are for addressing air emissions in Wilmington; summarize gaps in existing rules and what new rules are needed to improve OVERALL air quality; needs to be specific for this community and address cumulative burdens.</p>	7-5

2

LACDPH TEA AB617 CERP Review 6-19-19

<p>- Use of BART in issuing permits for new and modified sources</p>	<p>- No actions in draft CERP that address BART in permitting</p>	<p>- SCAQMD can use the Sacramento BART Implementation Plan as a model and create a similar, specific and detailed plan for sources in Wilmington; use SCAQMD permitting data/info to create target goal and timeline for implementation</p>	7-5 Cont.
<p>- Facility-specific risk reduction audits</p>	<p>- Not included</p>	<p>- Use the info in Figure 3-3 on Key Stationary Sources to complete a facility-specific risk reduction audit; use SCAQMD records on the 940 permitted facilities and approximately 800 facility inspections conducted from 2016 to 2018 to determine what has been effective, what needs to change</p>	
<p>- Incentives for cleaner technology</p>	<p>- Incentive actions in draft CERP are minimal, lack baseline and target goals, and rely on funding to be identified in the future</p>	<p>- Using data on source attribution and health profile for Wilmington, conduct an analysis on available clean technology and how to target incentives to bring the most benefit in the fastest timeline possible for residents and other sensitive receptors</p>	
<p>- Enforcement strategies: assess existing non-compliance issues, enhanced complaint reporting, specific compliance goals, dedicated enforcement teams, track enforcement activities</p>	<p>- CERP lacks an assessment of existing non-compliance issues in Wilmington and lacks specific compliance goals for any of the enforcement strategies mentioned; plan includes a goal to respond to odor complaints "on an expedited basis" but no specifics are given</p>	<p>- Using list generated from Source Attribution chapter, conduct an analysis of past SCAQMD enforcement activities at those sites to produce a list of priority enforcement strategies to meet the requirements listed in column one; include goals related to timeline for compliance and discuss SCAQMD's ability to require expedited timelines</p>	
<p>- Engagement in land use and transportation strategies (setbacks, buffers, VMT etc)</p>	<p>- There are no land use actions included in the CERP; the schools section has one mention of looking for funding for trees; the CERP does not acknowledge SCAQMD's ongoing role in CEQA and other land use rules and processes</p>	<p>- SCAQMD can provide information on the District's input to date for CEQA actions in the Wilmington area; should provide and understanding on how SCAQMD can leverage its existing role in the CEQA process to reduce air emissions and exposures; links to use of BART in issuing permits; include City and</p>	

3

LACDPH TEA AB617 CERP Review 6-19-19

## Appendix RTC-50

-Mitigation measures for existing sources (barriers, air filters for homes etc.)	- Mitigation actions in the CERP are minimal; includes goal of expanding air filter installation at schools with no clear dates or specific plan for priority locations, no data included to gauge effectiveness	County Planning experts in the CSC and technical advisory groups  - Once Source Attribution section is completed, identify priority sensitive receptors to focus mitigation actions for most possible benefits to community members	7-5 Cont.
--	--	---	--------------

#### Response to Comment Letter #7-1

Staff will consider these suggestions for improving CSC member attendance. The Wilmington, Carson, West Long Beach (WCWLB) CSC consists of 34 primary and 23 alternate members. Unclaimed tent cards may be representative of alternate members. Generally, the WCWLB CSC meetings are well attended. The CSC meeting flyer is sent out as early as two weeks in advance through email and posted on social media through Instagram, Facebook, and Twitter. The approximate number of attendees for each CSC meeting and sign-in sheets are included in Appendix 2 of the CERP. On average about 25 (out of 34) CSC members attended the meetings. Overall, the number of attendees for each CSC meeting in the WCWLB community ranges from 60 to 100 attendees. Meeting minutes (summaries) are available online and include which CSC member was in attendance and sat at the CSC table. In addition, for CSC members that are not in attendance the meetings are available on Facebook live and have shown to have been viewed approximately 100 times.

#### Response to Comment Letter #7-2

Since the comment was submitted, the source attribution analysis has been included in the CERP based on emissions inventories. Please see Chapter 3b, section 2, and Appendix 3b for the requested information. The source attribution analysis includes the baseline reference (2017) and projected emissions from future milestone years of 2024 and 2029. The future milestone years include all rules and regulations that have been adopted since 2016. The projected emissions do not include any of the CERP actions.

#### Response to Comment Letter #7-3

Emission reduction targets, where quantifiable, have been included in Chapter 5a. Implementation of the CERP is estimated to reduce 1,700 tpy of NOx and 20 tpy of DPM emissions from mobile sources. These emission reduction targets are based upon mobile source incentive data from the replacement of heavy-duty diesel trucks and equipment, certain CARB regulations, and some refinery regulations. The estimated emission reductions for mobile source incentive projects in this community are estimated to be between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions. Some actions in the CERP will result in emission reductions that are not currently quantifiable, such as VOC fugitive emissions. Fugitive emissions cannot be estimated until monitoring and enforcement actions occur to identify the location and source of the emissions. Some rules and regulations require the rule development process to occur before emission reductions can be quantified and targeted.

South Coast AQMD staff has included a goal and estimated timeline for each proposed course of action in Chapters 5b-5g. To track emission reductions, baseline emissions have been established using emissions inventory data as noted in Chapter 3b and Appendix 3b. The source attribution analysis includes the baseline reference (2017) and projected emissions from future milestone years of 2024 and 2029. The future milestone years include all rules and regulations that have been adopted since 2016. The projected emissions do not include any of the CERP actions. In addition, monitoring strategies have been incorporated in the CERP to address the air quality priorities and track progress. Also, see Response to Public Meeting Comment #5-2 regarding a health baseline.

Response to Comment Letter #7-4

South Coast AQMD staff have included a goal and estimated timeline for each proposed course of action in Chapters 5b-5g. Chapter 5h has also been included in the CERP to outline the implementation schedule. Demonstration projects are ongoing. Applications are submitted and reviewed by the South Coast AQMD. If approved and awarded, contracts are executed. Deadlines for demonstration projects vary and are outlined in the contracts administered by South Coast AQMD Technology Advancement Office (TAO) staff.

Response to Comment Letter #7-5

Thank you for your comment. Current rules are outlined in the “Ongoing Efforts” section of each section in Chapter 5. To ensure progress is tracked, each action contains goals and estimated timelines. The goals include metrics designed to measure the progress of the CERP. Also, Chapter 5a provides 2017 emission levels and estimated future baseline emissions levels in years 2024 and 2030 with emission reduction targets. Additionally, Chapter 5h includes a commitment that the South Coast AQMD staff will provide an annual update to the CSC on the progress of meeting the emission reduction targets beginning in 2021. Improvements for overall regional air quality is addressed through the Air Quality Management Plan (AQMP), which is a blueprint for how the South Coast AQMD will meet federal ambient standards. Rules that may be amended through the AB 617 process will also help regional air quality, because any rules that are amended or adopted will be applicable to all sources under the South Coast AQMD jurisdiction in the Basin. Rules are periodically updated when gaps are identified. Improvements in air quality will help decrease the cumulative burden in the Wilmington, Carson, West Long Beach community.

South Coast AQMD has created targets and an implementation schedule for Best Available Retrofit Control Technology (BARCT). South Coast AQMD is currently dismantling the Regional Clean Air Incentives Market (RECLAIM) program, because the ability to achieve NOx emission reductions using a market-based approach has diminished. These RECLAIM NOx facilities, typically larger facilities, will transition to a command-and-control regulatory structure to ensure these facilities meet BARCT. Analyses are ongoing that give priority to older, higher polluting equipment that would need to install retrofit controls. Appendix 3a identifies RECLAIM facilities in the Wilmington, Carson, West Long Beach community. However, equipment at non-RECLAIM

facilities that are within this community and do not meet new BARCT requirements will be required to do so. As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2 for BARCT. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized. For each rule, a BARCT assessment must be completed which takes into consideration other technologies or limits by other entities outside of the area; thus, if Sacramento Air Quality Management District has more stringent limits or requirements, these would also be incorporated into applicable South Coast AQMD rules for BARCT, unless infeasible.

Facility specific risk assessments are conducted through the AB 2588 Air Toxics “Hot Spots” Program. The AB 2588 program is a statewide program that requires air districts to establish emissions inventory of air toxics from individual facilities. It requires certain facilities to conduct Health Risk Assessments based upon the toxicity and volume of toxic air contaminants released within proximity to potential receptors (e.g., hospitals, residences, etc.). If a facility exceeds a specified risk level, as determined by each air district, they are required to reduce risk by submitting a Risk Reduction Plan. Some facilities may voluntarily reduce their risk even further. Facilities within the Wilmington, Carson, West Long community that are currently in the AB 2588 program at the South Coast AQMD have been identified in Appendix 3a. Those facilities that have been identified as a high priority would have either been notified to reduce their risk or have already reduced their risk such that they may no longer rank high on the prioritization list.

Staff continues to evaluate various funding sources for all air quality priorities, including clean technology, for improving air quality as soon as possible. Actions in the CERP include identifying funding for incentives to accelerate the adoption of clean technology or replacement as soon as possible, such as Chapter 5c – Ports, Actions 2 and 3.

Enforcement strategies will be prioritized based on CSC input and availability of resources. Past enforcement actions (e.g., Notices of Violations or Notices to Comply) from January 2016 – December 2018 for facilities within the Wilmington, Carson, West Long Beach community have been identified in Appendix 4. Goals and timelines have been incorporated into the CERP actions for each of the air quality priorities.

The South Coast AQMD has an obligation to implement the California Environmental Quality Act (CEQA) as a lead and commenting agency. In that role, the South Coast AQMD takes the lead on rule and some permit projects to ensure a proper analysis in accordance with CEQA requirements. These tasks include an evaluation of potential environmental impacts, and identification of potential feasible mitigation to reduce or eliminate impacts, alternatives to the project, if warranted, as well as cumulative impacts. As a responsible agency, the South Coast AQMD verifies CEQA compliance before issuing air quality permits, and as a commenting agency, South Coast AQMD’s Intergovernmental Review (IGR) staff reviews the air quality analysis of other lead agencies’ CEQA documents, and when necessary, submits comments and suggestions

(e.g., feasible mitigation measures to reduce air emissions and toxic exposures). All comments submitted by the South Coast AQMD are available online at <http://www.aqmd.gov/home/rules-compliance/ceqa/commenting-agency>. CEQA documents prepared for permit projects that the South Coast AQMD is the lead agency are also available online at <http://www.aqmd.gov/home/research/documents-reports/lead-agency-permit-projects>.

Staff will continue to seek input from all interested parties including city and county planning experts, other lead agencies, responsible agencies, technical experts, as well as the general public for lead agency rule and permit projects. The South Coast AQMD provides draft environmental assessments online, evaluates comments received for consideration, and responds to those comments accordingly. CEQA documents received from other lead agencies, reviewed by IGR staff, or being prepared with the oversight of the South Coast AQMD staff can be found in a monthly report generated for the Governing Board meeting. A link to the most recent Board meeting can be accessed from this webpage: <http://www.aqmd.gov/home/rules-compliance/ceqa/commenting-agency>. The location of these projects in our jurisdiction are clearly identified in the document and will include those projects located in the Wilmington, Carson, West Long Beach community. Staff will discuss with the CSC and if the CSC agrees, staff will provide monthly or quarterly updates on CEQA IGR projects within the Wilmington, Carson, West Long Beach community can be provided.

As an ongoing effort, South Coast AQMD is currently dismantling the Regional Clean Air Incentives Market (RECLAIM) program, because the ability to achieve NO<sub>x</sub> emission reductions using a market-based approach has diminished. These RECLAIM NO<sub>x</sub> facilities, typically larger facilities, will transition to a command-and-control regulatory structure to ensure these facilities meet Best Available Retrofit Control Technology (BARCT). As a part of this effort an analysis of the equipment at each RECLAIM facility is being conducted that gives priority to older, higher polluting equipment that need to install retrofit controls. Equipment at non-RECLAIM facilities that are within the community and do not meet new BARCT requirements, will be required to do so. As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized. More information on the RECLAIM transition can be found here: <http://www.aqmd.gov/home/rules-compliance/reclaim-transition>. Permit applications for stationary sources are reviewed and evaluated to determine if the source equipment meets current rules and regulations. New or modified sources that will result in emission increases greater than 1.0 pound per day of any non-attainment air contaminant are subject to Best Available Control Technology (BACT). More information on BACT can be found here: <http://www.aqmd.gov/home/permits/bact>. Permits that are issued are available on the Facility Information Detail (FIND) system: <https://www.aqmd.gov/nav/FIND>.



The CERP prioritizes the CSC's air quality priorities, which includes reducing exposure to sensitive populations at hospitals, senior centers, and schools. Chapter 5g, Action 2, focuses on reducing exposure to harmful air pollutants at schools. Based upon source attribution data, which identifies diesel PM as the primary toxic air contaminant contributor in this community, and CSC input, schools toxic air contaminant contributor in this community, and CSC input schools that are near truck routes, railyards, and/or major freeways (contributors of diesel PM in this community) will be prioritized for air filtration systems. After the approval of the CERP and during the implementation period of the CERP, specific schools will be further prioritized with the input of the CSC.

Comment Letter #8: Christopher Chavez – West Long Beach Resident, Coalition for Clean Air



June 24, 2019

Dr. William Burke and Board Members  
South Coast Air Quality Management District (SCAQMD)  
21865 Copley Drive  
Diamond Bar, CA 91765

**Re: Comments on AB 617 Community Emission Reduction Plans (CERP) Discussion Drafts and the WWLBC CERP**

Dear Chair Burke and the SCAQMD Board Members,

The Coalition for Clean Air (CCA) is writing to provide comments regarding the CERP discussion drafts for the Year 1 AB 617 communities. These communities include Wilmington/West Long Beach/Carson (WWLBC), San Bernardino/Muscoy (SBM) and East Los Angeles/Boyle Heights/West Commerce (ELABHWC)<sup>1</sup>. Since its passage in 2017, CCA has been actively involved with the implementation of AB 617 (C. Garcia) at both the statewide and air district level. We firmly believe AB 617 has the potential to transform and empower California's most environmentally burdened disadvantaged communities.

These comments are divided into two sections. Section I provides broad comments and recommendations that are applicable to all CERPs. Meanwhile, Section II provides comments and recommendations specific to the WWLBC CERP, where most of our AB 617 work is focused. In submitting these comments, we recognize the importance of the communities themselves having the most influence over their respective CERP. Our intentions in providing these comments are by no means an attempt to "speak" for a community.

**Section I: Comments applicable to all CERPs**

- CERPs should specify emission reduction targets that are based on attaining state and national air quality standards and reducing health impacts from air pollution.

Each CERP details various strategies and actions for addressing the top air quality concerns as identified by the respective Community Steering Committees (CSCs). However, the CERPs in their current form do not specify emission reduction targets (e.g., reduce Diesel Particulate Matter (DPM) emissions by X amount by 2023.) Rather, the CERPs treat actions as the end goal in and of themselves (e.g., the WWLBWC CERP identifies "Conduct [X amount of] focused inspections and targeted sweeps within a [insert proposed timeframe]" as a goal.)

8-1

<sup>1</sup> The ELABHWC CERP Discussion draft is only partially available as of the submission of this letter.



The only reference to the overarching goals of AB 617 can be found at the beginning of each CERP. However, even here the goals of the CERPs are vague: “The CERP is a plan for achieving air pollution emission and exposure reductions within a community, and is tailored to address community-specific needs and air quality priorities.” For the CERPs to be successful in bringing clean air to these communities, specific emission reduction targets are needed.

While AB 617 did not include specific emission reduction targets, it does mandate them. §44391.2(c)(3) of the Health and Safety Code (HSC) states “the community emissions reduction programs shall be consistent with the state strategy and include emissions reduction targets, specific reduction measures, a schedule for the implementation of measures, and an enforcement plan.” Additionally, many members of all three CSCs have requested the CERPs to include specified targets.

8-1  
Cont.

Given this statutory requirement and community needs, we urge SCAQMD to include specific emission reduction targets based on attaining state and national air quality standards and improved community health outcomes. Using these standards has two major advantages: first, attaining state and national air quality standards will help the South Coast Air Basin comply with California law and avoid Federal Clean Air Act sanctions. Secondly, using health metrics will provide the communities with a visible, easily understandable way to gauge air quality improvements.

- **Incentives alone will not meet the objectives of AB 617. SCAQMD must also increase enforcement, create tighter rules and require polluters to proactively reduce emissions.**

The CERP discussion drafts correctly acknowledge that a mixture of strategies will be needed in order to reduce emissions. This mixture of strategies includes increased enforcement, tightening up rules and penalties, providing incentives, as well as reaching out to and empowering the community. However, the CERPs show a strong preference for incentives over other approaches. For example, in the SBM CERP, the emission reduction strategies outlined for the Omnitrans Bus Yard focuses on using incentive funds to replace Compressed Natural Gas (CNG) buses with electric models. Similarly, the WWLBC CERP focuses heavily on clean truck incentives. Lastly, the ELABHWC CERP’s only goal that will actively reduce emissions from railyards is using incentives to replace diesel equipment.

8-2

While incentive strategies should be included as part of the CERP, other strategies need prioritization. For example, creating strong Indirect Source Rules (ISRs), mandating on-site mitigation and requiring, rather than just incentivizing, zero-emissions port and railyard equipment are clear examples where tighter rules will yield emissions reductions. Additionally, rules must be enforced in order to be effective. As such, SCAQMD should include tougher penalties as authorized in AB 617 and greater enforcement efforts as part of its overall strategy.

- **SCAQMD must meet the deadline for Best Available Retrofit Control Technology (BARCT) implementation, and more clarity between BARCT's role in the CERPs is needed.**

In addition to implementing the Community Air Protection program and creating CERPs, AB 617 also directs nonattainment air districts to expedite BARCT implementation. HSC §40920.6(c)(1) required air districts in nonattainment for one or more major air pollutants to adopt an expedited schedule for BARCT implementation. Implementation of BARCT must be completed by the earliest feasible date but no later than December 31, 2023. SCAQMD has approved a schedule outlining 17 rule updates, the last of which is scheduled to be considered in 2022. We urge SCAQMD keep to this implementation schedule and begin requiring expedited compliance with the updated rules.

8-3

Additionally, CSC members have expressed the need for more clarity over the intersection between CERPs and BARCT implementation. The WWLBC CERP only briefly mentions BARCT as a strategy to reduce emissions from refinery flaring. Meanwhile, BARCT is not referenced in the SBM CERP or (as of June 24, 2019) ELABHWC CERP at all. As such, we ask SCAQMD to provide more clarity of how BARCT will impact CERP implementation, which local emission sources will be covered by BARCT, and how BARCT will provide air quality improvements to AB 617 communities.

- **SCAQMD's focus should include, but not be overly specific to concerns expressed during the CSC process.**

One of the key aspects of AB 617 and SCAQMD's implementation of the bill is giving community members the opportunity to identify specific emissions concerns. SCAQMD staff should be commended for drafting the CERPs in a way which reflect these community concerns. However, emissions sources like refineries and other industrial sources are very complicated and have many ways of emitting air pollution. For example, the WWLBC CERP specifies refinery boilers and heaters as being community concerns. However, this should not be interpreted to exclude cracking units and other refinery infrastructure and operations. Rather, SCAQMD should be focused on reducing emissions from the overall source – in this instance, the refinery – rather than its specific components identified by the CSC. While staff comments to the CSC suggest SCAQMD will take a broader approach, it should be made clear in the CERP.

8-4

- **To the greatest extent possible, all proposed emission reductions should meet State Implementation Plan (SIP) creditable criteria (quantifiable, surplus, enforceable and permanent). However, emission reductions that don't meet these criteria (e.g., working with local agencies to rectify bad land use decisions) should be considered.**

The emission reductions achieved by the CERPs should be real, meaningful, and verifiable. The closer they are to meeting the criteria for being SIP creditable, the more

8-5

confidence the community will have in the effectiveness of the Community Air Protection program. At the same time, we recognize that not all important reduction measures lend themselves to meeting these criteria. Other opportunities should not be ignored.

8-5  
Cont.

## Section II: Comments applicable to the WWLBC CERP

- **The WWLBC CERP must be more aggressive in reducing emissions from the ports and drayage operations.**

According to an SCAQMD staff presentation, just under 86% of all toxic air contaminants within the WWLBC community is DPM. As such, reducing DPM emissions is vital to the WWLBC CERP's success. While the WWLBC CERP references several CARB rules in development specifically to reduce air pollution from port sources such as drayage trucks, commercial harbor craft, ocean-going vessel fuel and at-berth rules, the CERP fails to commit SCAQMD to publicly supporting these rules. At minimum, SCAQMD should make written and verbal comments in support of these rules when they are being contemplated by CARB to help secure stronger regulations to reduce port air pollution in the South Coast Basin and throughout the state. Further, SCAQMD support for these rules should be made clear in the WWLBC CERP as well.

8-6

Additionally, many of the port-related actions outlined in the CERP should be strengthened:

- With respect to Action 1, "Reduce Leaks from Oil Tankers," this action's responsibilities should include specific deliverables and dates for completion for the responsible agencies identified.
- With respect to Action 2, "Reduce Emissions from Ships and Harbor Craft," the Ports of Los Angeles and Long Beach should be specifically listed among implementing agencies with responsibility to conduct outreach and education among shipping lines and harbor craft owners regarding new technologies and fuels available to reduce emissions in the operations of their vessels. Although such education and outreach are listed as a course of action, no agency is listed as responsible for such outreach. The Ports are best able to share such information directly with shipping lines and harbor craft owners and should be listed as such. Further, this action's responsibilities should include specific deliverables and dates for completion for the responsible agencies identified.
- With respect to Action 3, "Reduce Emissions from Port Equipment (Cargo-Handling Equipment) and Drayage Trucks," the first responsibility listed under SCAQMD should state, "Continue development of FBMSM (Facility Based Mobile Source Measure.) Conduct outreach to CSC for FBMSM work groups, workshops, and meeting participation. COMPLETE AND IMPLEMENT"

8-7

8-8

8-9



FBMSM BY SECOND QUARTER OF CALENDER YEAR 2020." As stated above, all responsibilities identified in the CERP should include specific deliverables and dates for completion of those responsibilities.

8-9  
Cont.

- **ISRs should be included as part of the WWLBC CERP's actions for addressing neighborhood truck traffic, as should working with local governments to move trucks away from sensitive receptors.**

The "Neighborhood Truck Traffic" strategy in the WWLBC CERP has no reference to ISRs being an action. Rather, the strategy refers to the broader FBMSM, which is mostly focused on port and drayage operations. This is problematic, as the WWLBC community includes warehouses, fuel depots, chassis yards and fueling stations that attract trucks and truck-related emissions. While this is partially addressed through the WWLBC CERP's strategy of enforcing CARB's anti-idling rules, ISRs should also be included as an action for neighborhood truck traffic. ISRs are referenced in WWLBC's & ELABHWC "Railyards" strategies and are also included in the SBM CERP's strategy for "Neighborhood Truck Traffic."

8-10

Additionally, the WWLBC CERP needs stronger language relating to reducing emissions exposure from trucks. Currently, the WWLBC CERP specifies three actions to reduce truck emissions around and exposure at sensitive land uses: enforcing CARB's anti-idling rules, public outreach and installing ventilation filtration systems. However, the SBM CERP includes a more robust action: working with local governments to move trucking routes away from sensitive receptors. Many schools and other sensitive receptors within the WWLBC community are on streets and roads heavily used by trucks. As such, we strongly urge SCAQMD to include moving truck traffic away from sensitive receptors as an action in the WWLBC CERP.

- **SCAQMD should work with local governments to create a 2,500-foot buffer zone between new residential or sensitive land uses and oil and gas operations**

Owing to the region's history as one of the most productive oil fields in the world, thousands of active and inactive oil and gas wells are spread across the WWLBC community. Many of the wells are underneath or near residential or sensitive land uses, and residents frequently complain about odors and emissions from these operations. While the WWLBC CERP specifies several strategies and action for reducing emissions from these operations, there is one action that's missing. SCAQMD should work with local governments to create a 2,500-foot buffer zone between residential or sensitive land uses and oil and gas operations. Though the WWLBC community is by far the most impacted by oil and gas operations, the buffer zone should also be applicable to all residential and sensitive land uses.

8-11

- **The Memoranda of Understanding (MOU) being negotiated with the Ports should be designed to meet air quality attainment goals rather than duplicating the Clean Air Action Plan (CAAP).**

The commitments made by the Ports of Los Angeles and Long Beach in their most recent CAAP are not enforceable by SCAQMD and may not be permanent. For example, some CAAP commitments are reliant on Port-sponsored feasibility studies and do not provide assurance that specific commitments will be met. Therefore, the CAAP commitments lack credibility and provide the community with little more than skepticism about the Ports' promises for a better, less polluted future.

8-12

- **More information on current efforts to reduce emissions from railyards is needed, and the MOU and ISR action for railroads must be clarified and strengthened.**

On page 5-3, under "State Actions (CARB)," the text does not provide any information regarding the railyards' compliance with the second agreement in 2005 between CARB, BNSF and Union Pacific. This information should be provided to the CSC and a summary of what the railroads have done to comply with the second rule should be included in the CERP.

8-13

With respect to Action 1, "Reduce Emissions from Railyards," under South Coast AQMD responsibilities, a specific date should be listed for the completion and implementation of the indirect source requirements for railyards, so as to provide the impacted communities with certainty regarding when the railyards and railroads can be expected to do their part in reducing pollution.

Further, there are NO responsibilities assigned to the railroads themselves. Once the indirect source requirements are implemented, the railroads should have the responsibility of complying with the indirect source requirements themselves.

- **Phase out Modified Hydrofluoric Acid (MHF) at refineries**

While not specific to AB 617, eliminating the use of MHF is critically important. Only two refineries in California use MHF and both jeopardize the WWLBC community (one refinery is within the community while the other is approximately one mile from the Normandie Avenue western border.) Industrial accidents (such as the 2015 Torrance Refinery explosion and the December 2018 MHF leak), cyberterrorism and large seismic activity can result in a catastrophic MHF release. Should an MHF release occur, a concentration as low as 35 parts per million can cause serious injury or death. The CERP should include a commitment to phasing out MHF, as well as anticipate potential emissions and economic impacts from the phase out and conversion process.

8-14

CCA appreciates the opportunity to submit these comments. We look forward to continuing our involvement with the AB 617 implementation process and will continue to provide feedback on the implementation of this important legislation.

8-14  
Cont.

Sincerely,



Christopher Chavez  
Deputy Policy Director  
Member (West Long Beach Resident), WWLBC AB 617 Community Steering Committee

#### Response to Comment Letter #8-1

Regarding emission reduction targets see Response to Public Meeting Comment # 1-2. Emission reductions from actions in the CERP that result in SIP approved rules will contribute to the South Coast Air Basins' attainment of the state and national air quality goals and improve community health outcomes.

#### Response to Comment Letter #8-2

Incentives are among the strategies used in the CERP because they can bring expedited emissions reductions above and beyond current requirements. However, the CERP does not rely on any one type of strategy, and instead uses a combination of strategies to reduce emissions, including regulation, enforcement, air monitoring, outreach and incentives. The totality of these actions will bring emission reductions to this community, as quantified in Chapter 5a. Penalties for issued Notices of Violation are determined on a case by case basis.

#### Response to Comment Letter #8-3

As an ongoing effort, South Coast AQMD is currently dismantling the Regional Clean Air Incentives Market (RECLAIM) program, because the ability to achieve NOx emission reductions using a market-based approach has diminished. These RECLAIM NOx facilities, typically larger facilities, will transition to a command-and-control regulatory structure to ensure these facilities meet BARCT. As a part of this effort an analysis of the equipment at each RECLAIM facility is being conducted that gives priority to older, higher polluting equipment that need to install retrofit controls. Equipment at non-RECLAIM facilities that are within the community and do not meet new BARCT requirements, will also be required to do so. As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2. The BARCT

assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized.

Response to Comment Letter #8-4

The CERP focuses on air quality concerns prioritized by the CSC. However, the plan also includes actions that are based on the Source Attribution Report in Chapter 3b and provides emission reduction targets for a broader range of emission sources than specified by the CSC. For example, as opposed to only addressing emissions from refinery boilers and heaters prioritized by the CSC the CERP addresses emissions from other equipment used at petroleum refineries, such as, gas turbines, fluid catalytic cracking units, sulfur recovery units, gas turbines, incinerators and a coke calciner (see Action 5 in Chapter 5b).

Response to Comment Letter #8-5

The emission reduction targets quantified in the CERP are in part based on actions that will result in emission reductions that meet the SIP creditable criteria (i.e., quantifiable, surplus, enforceable, and permanent). See response to Comment 8-1 for additional details.

Response to Comment Letter #8-6

The CERP includes measures in Action 2 of Chapter 5c – Ports for South Coast AQMD staff to support CARB’s rule development for the proposed At-Berth Regulation and future updates to rules for other port-related mobile sources (e.g., commercial harbor crafts, drayage trucks, and cargo handling equipment). South Coast AQMD staff will monitor and participate in the development of these regulations to support and accelerate the deployment of zero and near-zero emission technologies at the Ports as early as practicable.

Response to Comment Letter #8-7

Chapter 5c – Ports, Action 1 in the CERP includes an estimated timeline and specifies the agencies responsible for implementing the Action. For example, the Action specifies that South Coast AQMD staff is responsible for using optical gas imaging technology, air measurements, and other available information to identify oil tankers with fugitive emissions leaks. Also, based on the estimated timeline for this Action the South Coast AQMD staff is responsible for providing the CSC with quarterly updates on these activities beginning in mid-2020.

Response to Comment Letter #8-8

In the CERP the Ports are listed as implementing agencies for Action 2 of Chapter 5 – Ports. Based on this Action the Ports and South Coast AQMD are responsible for working together to hold one outreach event per year to provide equipment owners and operators information about incentives (e.g., opportunities for cleaner ships and harbor craft).

Response to Comment Letter #8-9

Staff incorporated CCA’s request to add that South Coast AQMD would continue to develop Facility Based Mobile Source Measures (FBMSM) for the Ports (through an MOU) and to conduct outreach to CSC members for FBMSM working groups, workshops, and meetings. CCA requested

that South Coast AQMD complete and implement a FBMSM by second quarter 2020. South Coast AQMD's goal is to develop an MOU with the Ports in early 2020.

Response to Comment Letter #8-10

Action 2 of Chapter 5d: Neighborhood Truck Traffic in the CERP includes a measure that commits South Coast AQMD staff to continue to develop Facility Based Mobile Source Measures for warehouses. Additionally, the same action includes a measure to work with the city of the county to evaluate potential designated truck routes and identify resources to enforce these routes.

Response to Comment Letter #8-11

South Coast AQMD requires mandatory disclosure of oil field chemical use for well drilling, well completion and well rework activities. Rule 1148.2 requires well operators and chemical suppliers to submit and report chemical usage data related to routine oil and gas activities. This information is available on South Coast AQMD's website at: <http://www.aqmd.gov/home/rules-compliance/compliance/1148-2>. Also, Rule 1148.2 requires well operators to notify South Coast AQMD of certain well activities that occur within 1,500 feet of a sensitive receptor such as a residence, school, hospital, or other health care facility. Additionally, the Draft Final CERP includes a measure to review the Los Angeles County Department of Health's Community Improvement Plan (CHIP) and provide the Los Angeles County Department of Health with technical support (e.g., air quality data) to mitigate air quality impacts from oil drilling and production sites.

The South Coast AQMD is aware that the City of Los Angeles is looking at the feasibility of establishing setbacks for sensitive receptors within a specified distances of an existing or a new oil and gas well. The City of Los Angeles' report recognized that other engineering and operational controls can provide additional public health protection. The CERP includes an action that is based on engineering and operational controls that focuses on oil drilling and production that can complement efforts at the City of Los Angeles or other local jurisdictions. These control strategies are designed to improve early leak detection, reduce fugitive emissions from leaking wells, use of advanced air measurement technologies to screen wells, and follow-up investigation and enforcement activities to ensure leaks are fixed. This action includes rule development for Rule 1148 series and Rule 1173 to reduce emissions and improve reporting. The South Coast AQMD staff will monitor the City of Los Angeles' efforts on this issue.

Response to Comment Letter #8-12

South Coast AQMD is currently working with the Ports to quantify the emission benefits associated with implementation of SIP creditable CAAP measures. The MOU is intended to establish metrics and mechanisms to monitor the implementation of these measures and to track progress toward achieving actual emission reductions.

Response to Comment Letter #8-13



According to CARB both BNSF and Union Pacific (UP) railroads met the 2005 Agreement provisions that included the following:

- Rail yard inventories and modeling (enabling the HRAs and community processes),
- Idle reduction devices,
- Lower sulfur fuel, and
- Facility inspections.

BNSF and UP's compliance with the 2005 agreement with CARB has been added in Chapter 5e, within the "State Actions (CARB)" section under "Ongoing Efforts". The compliance status of both of these railroads have been included within the Wilmington, Carson, West Long Beach CERP.

One of the strategies South Coast AQMD is evaluating to reduce emissions from railyards is through Indirect Source Rules (ISR). The development of ISRs was initially intended to address regional air pollution, specifically nitrogen oxides (NOx) emission reductions, and to attain the National Ambient Air Quality Standards as required by the Clean Air Act. However, the CSC has made it clear that an ISR must also focus on reducing localized impacts, and staff will consider that focus in the rulemaking process. South Coast AQMD staff's goal is to present the railroad ISR proposal to the Governing Board in the fourth quarter of 2020.

Staff acknowledges that rail operators play a key role in reducing emissions within the Wilmington, Carson, West Long Beach community. South Coast AQMD staff will continue to work with CARB and both BNSF and UP to reduce emissions.

#### Response to Comment Letter #8-14

South Coast AQMD is currently considering the issue of the storage and use of MHF at the two local refineries. Recently, the Governing Board directed staff to work with both the community and industry to reach resolution and present to the Refinery Committee for review, with the Committee making recommendations to the full Board. Staff held 19 meetings with the community, unions, and refineries discussing both an MOU and a rule approach. As directed by the Board, staff presented the status of these meetings to the Refinery Committee on Saturday June 22, 2019. This is an ongoing effort that is being developed under Board directive in a process that is open to the public and all interested parties. Potential emissions and economic impacts from any action to be taken will be evaluated as appropriate through environmental and socioeconomic analyses. For more information on this effort, please visit South Coast AQMD's website at <https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/proposed-rule-1410>.

Comment Letter #9: Tim DeMoss – Port of Los Angeles



Comment Letter #9

425 S. Palms Verdes Street Post Office Box 151 San Pedro, CA 90733-0151 TEL/TDD 310 SEA-PORT www.portoflosangeles.org

Eric Garcetti Mayor, City of Los Angeles	Jaime L. Lee President	Diane L. Middleton Commissioner	Lucia Moreno-Linares Commissioner	Anthony Pirozzi, Jr. Commissioner	Edward R. Renwick Commissioner
Board of Harbor Commissioners	Eugene D. Saroka Executive Director				

June 24, 2019

AB 617 Team  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

**SUBJECT: COMMENTS ON AB 617 WILMINGTON, WEST LONG BEACH, CARSON DRAFT COMMUNITY EMISSIONS REDUCTION PLAN**

The City of Los Angeles Harbor Department (Port of Los Angeles or Port) appreciates this opportunity to provide comments to South Coast Air Quality Management District (SCAQMD) on the AB 617 Wilmington, West Long Beach, Carson Draft Community Emissions Reduction Plan (CERP).

The Port of Los Angeles has the following comments on Chapter 5C – Ports, on the Wilmington, West Long Beach, Carson CERP.

**A) Corrections in section titled “San Pedro Bay Ports Clean Air Action Plan (CAAP)”**

1. The first paragraph of this section contains the following sentence:

*“The Port of Los Angeles also provides funding for ships participating in a technology demonstration program.”*

9-1

Funding for ship projects can be provided by the ports of Los Angeles and Long Beach (Ports). The Ports have a joint Technology Advancement Program (TAP) that provides funding for technology demonstration programs. More information on the Ports' joint TAP can be found at the link below.

<http://www.cleanairactionplan.org/technology-advancement-program/>

2. The second paragraph of this section contains the following sentence:

*“Under this program, beginning in 2020, all heavy duty trucks will be charged a rate to enter the Ports' terminals....”*

9-2

Please include the following information from the CAAP Update at the link below:

<http://www.cleanairactionplan.org/documents/final-2017-clean-air-action-plan-update.pdf/>

The CAAP 2017 Update states on pages 39-40 that initiation of the truck rate will be contingent on several critical elements:

9-2  
Cont.

1) Promulgation of a near-zero-emission standard by California Air Resources Board (CARB); and 2) Economic study to establish the Clean Truck Fund rate that will evaluate the capacity of the industry to absorb this expense, the effect on the Ports' economic competitiveness and the potential for cargo diversion; and 3) Completion of the Truck Feasibility Assessment, including evaluation of availability of trucks meeting the CARB certification level; and 4) Establishment of a truck rate collection mechanism.

3. In footnote 10, please include the Port of Long Beach's Green Ship Program, see link below.

9-3

<http://www.polb.com/environment/air/greenflag.asp>

**B) Clarification in Action 1, Section "Implementing Agency, Organization..."**

Port of Los Angeles' tenants, not the Port, must grant access to their terminals. The Port is willing to facilitate contact with our tenants for SCAQMD and CARB staff to arrange inspections of the terminals; however, the Port cannot guarantee access.

9-4

**C) Clarification in Action 3**

1. In the "Course of Action" section, the fourth bullet states:

*"Continue developing Facility-Based Mobile Source Measures (FBMSM) for Ports"*

The Port requests addition of "through a Memorandum of Understanding (MOU) with the Ports" after FBMSM. We appreciate the ongoing work between the Ports and SCAQMD on the MOU based on the 2017 San Pedro Bay Ports CAAP Update.

9-5

2. In the "Estimated Timeline" section, the Port requests inclusion of CARB promulgation of a near-zero emissions manufacturing standard in the "... based on feasibility assessment study for trucks and truck rate study..." in the second bullet.

9-6

AB 617 Team

Page 3

3. In the *"Implementing Agency, Organization..."* section, the Port again requests to include "through a MOU" after FBMSM under SCAQMD's Responsibility.

9-7

**D) General Corrections**

1. Consistency on capitalization of Ports. There are areas where Ports are capitalized and other parts where Ports are in lower case.
2. Spelling errors in Action 3 for *"handling"* and *"targeted."*

9-8

The Port of Los Angeles would like to thank SCAQMD for continuing to work with us in achieving significant public health benefits.

Sincerely,



CHRISTOPHER CANNON  
Director of Environmental Management

CC:LW:TD:AC:yo  
APP No.: 110128-840

Response to Comment Letter #9-1

In Chapter 5c – Ports, under the section titled "San Pedro Bay Ports Clean Air Action Plan (CAAP) – Port of Long Beach and Port of Los Angeles" the sentence "The Port of Los Angeles also provides funding for ships participating in a technology demonstration program" was rewritten to "The Ports also provide funding for ships participating in a technology demonstration program through the joint Technology Advancement Program (TAP)." Staff included a reference at the end of the rewritten sentence that provides the link provided by the commenter.

Response to Comment Letter #9-2

In Chapter 5c – Ports, under the section titled "San Pedro Bay Ports Clean Air Action Plan (CAAP) – Port of Long Beach and Port of Los Angeles" the sentence in the second paragraph was changed from "Under this program, beginning in 2020, all heavy duty trucks will be charged a rate to enter the Ports terminals..." to "By 2035 only trucks that are certified to meet zero-emissions will be exempt from the rate. Initiation of the truck rate is contingent on certain elements (e.g., an economic study to establish the rate)." Staff included a reference at the end of the new sentence that provides the link provided by the commenter.

Response to Comment Letter #9-3

In Chapter 5c – Ports, an additional reference (12) was added to include information about the Port of Long Beach’s Green Flag Incentive Program.

Response to Comment Letter #9-4

Chapter 5c – Ports, Action 1, under the “Implementing Agency, Organization, Business or Other Entity” section, has been updated to “Tenants of the Ports (Los Angeles and Long Beach)” and “Work with South Coast AQMD, CARB, and the Ports’ tenants to facilitate contact between the regulatory agencies and tenants to arrange inspections of the terminals”.

Response to Comment Letter #9-5

Chapter 5c – Ports, Action 3, the fourth bullet point under the “Course of Action” section was clarified as “Continue developing FBMSM for Ports through an MOU”. In the event that the MOU approach is not successful and emission reductions are not achieved, staff will recommend the Governing Board consider a regulatory approach (i.e., ISR) for reducing emissions from the Ports.

Response to Comment Letter #9-6

In Chapter 5c – Ports, Action 3, the second bullet point under the “Estimated Timeline” section was revised to “Beginning 2020, implement Ports’ Clean Truck Program as described in the CAAP (based on feasibility assessment study for trucks and truck rate study and the promulgation of near zero-emission manufacturing standards by CARB)”.

Response to Comment Letter #9-7

Chapter 5c – Ports, Action 3, under “Implementing Agency, Organization, Business or Other Entity” section has been revised to, “Continue development of FBMSM through a MOU and conduct outreach to CSC for FBMSM working groups, workshops, and meetings”, under South Coast AQMD’s responsibility.

Response to Comment Letter #9-8

The term “Ports” was used when applicable to the Port of Long Beach and the Port of Los Angeles. The capitalization of Ports and spelling errors for “handling” and “targeted” have been addressed throughout the CERP.

Comment Letter #10: Uduak-Joe Ntuk – City of Los Angeles Office of Petroleum and Natural Gas Administration and Safety



June 21, 2019

TO: South Coast Air Quality Management District - AB 617 Team  
21865 Copley Dr, Diamond Bar, CA 91765

SUBJECT: AQMD AB617 Community Emission Reduction Plan (CERP) Comments

Dear AB 617 Team,

I am writing in response to the request for comments on the AB 617 Community Emission Reduction Plan (CERP). Below is a series of comments related to the oil drilling and production sections:

*Chapter 5: Actions to Reduce Community Air Pollution, Oil Drilling and Production*

*Action 2: Improved Public Information and Notifications on Activities at Oil Drilling and Production Sites*

*Course of Action: Work with stakeholders to identify and implement key areas for improvement for the Rule 1148.2 information and notifications. Work with local public health departments on health-related messaging on risks and how to reduce exposures.*

**OPNGAS Comment #1:**

Pursuant to Rule 1148.2, onshore oil and gas well operators and their chemical suppliers are required to submit data on chemical usage for events including well drilling, well completion, well rework, and well stimulation within the SCAQMD. Operators must submit notification of well drilling, completion, or rework between 10 and 2 days prior to starting.

However major data gaps regarding chemical identities, properties, and data reliability need to be addressed. In a recent study by my office where SCAQMD chemical and event data from June 4, 2013 to August 31, 2018 were downloaded on August 31, 2018, a total of 327 chemicals reported in the SCAQMD dataset could not be definitively identified by Chemical Abstracts Service Registration Number (CASRN) and were labeled trade secret chemicals.

Chemical information that is submitted by operators includes errors, such as incorrect CASRNs, obvious misspellings, and inconsistent data entries.

10-1



Table 1. Examples of chemicals with invalid CASRNs that could be identified.

Standardized Name	Correct CASRN	Original Reported Name	Original Invalid CASRNs
Alcohols, C12-15 ethoxylated	68131-39-5	Ethoxylated alcohol C12-15	683131-39-5
Bentonite	1302-78-9	Bentonite	1305-78-9
Isotridecanol, ethoxylated	9043-30-5	Isotridecanol, ethoxylated	9403-30-5
Pine oil	8002-09-3	Terpene hydrocarbon	80020-90-3 8002-09-0

10-1  
Cont.

The lack of strict quality control over operator submitted data hinders analysis and usability of the dataset.

SCAQMD should verify and validate all submitted chemical and mass usage information. Mass, density, concentration, and volume data should be required for all chemical disclosures, including trade secret chemicals, to ensure mass usage data is adequate and verifiable. Data reported to SCAQMD should be compared to and verified against other datasets, including those which are only reported to regulators and not publicly available.

SCAQMD should adopt approaches to chemical use reporting similar to SB 4 but also require operators to disclose all trade secret chemicals for all events associated with oil and gas operations in general and not only for hydraulic fracturing and well stimulation. SCAQMD should continue to work with chemical suppliers to come up with solutions to protecting trade secrets while at the same time encouraging disclosure, such as is exercised under AB 1328.

#### OPNGAS Comment #2:

The disjointed nature of the SCAQMD dataset hinders analysis and usability of the dataset. The SCAQMD dataset is maintained as separate event and chemical reporting datasets, which themselves are further divided into the periods before and after September 4th, 2015. Chemical reporting data (e.g. chemical names, masses, etc.) and event notification data (e.g. event type, start date, latitude, longitude) are in separate datasets. SCAQMD should maintain their data as one integrated dataset that combines both event and chemical reporting data from all time periods.

10-2

#### Chapter 5: Actions to Reduce Community Air Pollution, Oil Drilling and Production

##### Action 3: Evaluate Feasibility to Amend Rule 1148 Series to Reduce Emissions and Require Additional Reporting

Course of Action: Consider amendments to Rule 1148 series and Rule 1173 to reduce emissions and improve emissions reporting from oil drilling and production sites. Examples of additional requirements that could be considered are:

- Leak detection technologies and programs
- Lower-emission or zero-emission equipment for on-site operations
- Annual reporting of emissions
- Improved reporting of chemicals used on-site
- Additional requirements to conduct root-cause analysis and implement odor minimization plans when odors are traced back to a facility

**OPNGAS Comment #3:**

- "Lower-emission or zero-emission equipment for onsite operations" should be specified as Tier 4, Tier 3 or LEV III engines.

10-3

**OPNGAS Comment #4:**

- "Annual reporting of emissions" should be monitoring based rather than operator reported to verify volume as well as understand emission patterns over time.

10-4

**OPNGAS Comment #5:**

- "Improved reporting of chemicals used on-site" The lack of strict quality control over operator submitted data and the disjointed nature of the SCAQMD dataset hinders analysis and usability of the dataset. Chemicals from the California Environmental Reporting System (CERS) should also be included in the disclosures.

10-5

**OPNGAS Comment #6:**

Other additional requirements to add are:

- Real Time Fence line air monitoring (including for alkanes, VOCs, H<sub>2</sub>S, SO<sub>x</sub>, Criteria pollutants and Hazardous Air Pollutants) for background conditions, changes and leak detection targeting
- Requirements for vapor recovery systems
- NO<sub>x</sub> Reduction programs including requirements for tuned equipment, idling limits, electric temporary power, permitted micro turbines and diesel particulate filters.
- Meteorological Stations to aid in community notifications

10-6

**OPNGAS Comment #7:**

There is a large focus on well drilling, but many emissions are also generated during well rework and maintenance activities (heavy diesel equipment is brought in, drill rigs, etc.). Include further measures to capture emissions from 24 hours / 7 days a week operations and maintenance work done on drill sites.

10-7

We appreciate that SCAQMD is seeking input from the public and local organizations on this important monitoring plan and are glad to have the opportunity to comment. If you have any questions, please feel free to reach me at (213) 978-1697 or via email at Uduak.Ntuk@lacity.org.

Sincerely,



Uduak-Joe Ntuk

**PETROLEUM ADMINISTRATOR**

c: UJN:eb



Response to Comment Letter #10-1

South Coast AQMD staff revised Action 3 of Chapter 5e: Oil Drilling and Production in the Draft Final CERP to include a measure for considering amendments to the 1148 series rules (e.g., Rule 1148.2 – Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers). Considerations would include improving reporting of chemicals used on-site, such as event and chemical reporting information as described in the Draft Final CERP.

Response to Comment Letter #10-2

South Coast AQMD staff will review the dataset and evaluate the feasibility of combining both event and chemical reporting data from all time periods in a more user-friendly format.

Response to Comment Letter #10-3

South Coast AQMD staff will conduct a review of on-site equipment during the rule development process and consider the classification of equipment. Certain on-site equipment may be regulated by CARB (e.g. portable engines). South Coast AQMD staff will work with CARB staff to identify on-site equipment, equipment classifications, and potential measures to reduce emissions from on-site operations.

Response to Comment Letter #10-4

Air monitoring efforts are outlined in the Community Air Monitoring Plan (CAMP) to address oil drilling and production sites. These air monitoring efforts may help supplement annual emissions reports by providing additional information about emission levels measured over time.

Response to Comment Letter #10-5

South Coast AQMD staff will review and consider these suggestions during rule development activities for Action 3 of Chapter 5e: Oil Drilling and Production.

Response to Comment Letter #10-6

The South Coast AQMD staff incorporated these suggestions into Action 3 of Chapter 5e: Oil Drilling and Production under the considerations to amend the Rule 1148 series.

Response to Comment Letter #10-7

Staff will monitor or inspect these sites during well rework and maintenance activities as resources are available. If elevated levels are observed through the monitoring efforts detailed in the CAMP, monitoring staff may remain at a location of concern for a longer period of time or compliance staff may follow up with an investigation to identify and address the emissions being generated during well rework and maintenance activities. Also, Action 3 of Chapter 5e: Oil Drilling and Production specifies considerations for lowering emissions from on-site equipment, improving emission controls during well rework and maintenance activities, and lower emission or zero-emission equipment for on-site operations.

The City of Los Angeles July 29, 2019 report “Council File No 17-0447 – Feasibility of Amending Current City Land Use Codes in Connection With Health Impacts at Oil and Gas Wells and Drill Sites” suggested that one possible way to improve health oversight is to have “Los Angeles County deputize the Los Angeles City Fire Department with health officer authority for oversight and inspections of oil and gas facilities within the City. This action would be proactive for future incidents and move away from a more reactive model of oversight while empowering our local emergency services agency, LAFD, to have more oversight related to oil and gas operation.”

Comment Letter #11: Janet Whittick – California Council for Environmental and Economic Balance (CCEEB)

Comment Letter #11



**California Council for Environmental and Economic Balance**

101 Mission Street, Suite 805, San Francisco, California 94105  
415-512-7890 phone, 415-512-7897 fax, [www.cceeb.org](http://www.cceeb.org)

June 25, 2019

Dr. Philip Fine, Deputy Executive Officer  
Dr. Jo Kay Ghosh, Health Effects Officer  
South Coast Air Quality Management District  
Submitted Electronically to <https://onbase-pub.aqmd.gov>

RE: AB 617 Draft Community Emissions Reduction Plans and  
Community Air Monitoring Plans

Dear Drs. Fine and Ghosh,

On behalf of the members of the California Council for Environmental and Economic Balance (CCEEB), we appreciate the opportunity to submit comments on the South Coast Air Quality Management District (SCAQMD or "District") draft community emissions reduction plans (CERPs) and draft community air monitoring plans (CAMPs). The SCAQMD has been a leader in developing AB 617 programs and policies, and its work in the communities of Wilmington-Long Beach-Carson, Boyle Heights-East Los Angeles-West Commerce, and San Bernardino-Muscoy serves as a model statewide for achieving targeted and effective emissions and exposure reductions in overly burdened communities. CCEEB members operate in each of these three "first-year" communities, and many are active in the District's Community Steering Committee (CSC) process, as well as related activities and proceedings at the District related to AB 617 implementation.

Individual CCEEB members have been engaging with the District and other community members at the community-level, offering perspective and expertise as part of the plan development process. CCEEB has been engaging on a broader level, through its participation in the SCAQMD AB 617 Technical Advisory Group and the Air Resources Board (ARB) AB 617 Consultation Group. Our comments reflect this broader perspective, but are based on consultation with and feedback from our membership. Our intent is to help support successful program development, both in the three "first-year" communities as well as looking forward to the continued and expanded implementation of AB 617 in future communities.

Our main point is as follows:

- **Emission reduction actions should be based on technical review of those sources that contribute most to community-level exposures.** However, detailed community inventories and data on source apportionment have not yet been released, and only a high-level discussion of community impacts has occurred at community meetings. CCEEB believes the draft plans should be re-evaluated by the District and community stakeholders as more detailed and localized emissions data becomes publicly available.

AB 617 specifies that the statewide strategy to reduce criteria pollutant and toxic air contaminant emissions must include assessment of sources or source categories contributing to high cumulative exposure burdens, including the relative contribution of each source. AB 617 further specifies that air district community emissions reduction plans (CERPs) must be consistent with the statewide strategy. Yet draft actions have been developed *ahead of* the requisite technical analysis, putting the proverbial cart before the horse. For example, the Source Attribution section of the Community Profiles for Wilmington-Long Beach-Carson and San Bernardino-Muscoy will not be ready until after comments have been received on the draft CERPs. Moreover, localized air monitoring data, meant to measure and validate sources of concern to local communities, will not be available until a much later date and are not available to help establish baseline conditions or set reduction targets.

11-1

CCEEB acknowledges that much of the timing problem lies outside staff control given the accelerated implementation schedule set by the Legislature, as well as work that must be done by ARB to develop the on-road and off-road mobile inventories. However, the lack of technical background creates process concerns that will need to be addressed as new information becomes available. For example, in the Wilmington-Long Beach-Carson CERP, two of three refinery actions focus on flaring, yet no analysis has been done to show the degree to which flaring contributes to overall pollutant concentrations or that it even poses significant health risks. As such, it is difficult to evaluate whether these actions should be priorities as compared to other sources or actions, both refinery and non-refinery.

While high-level data has been presented to the CSCs, it has not been granular enough to indicate clear areas of focus. As such, identified concerns have been based on anecdotal experience and perceptions, without scientific validation. Moreover, a narrow focus in the plans on limited District authority omits a much needed discussion of how the SCAQMD, communities, and ARB can and should be partnering on strategies that tackle mobile source impacts, including diesel particulate matter. For example, while staff recognizes risks from on-road and off-road mobile sources under ARB authority, it has not yet specified the relative risk from different source types.

CCEEB recommends that the draft CERPs be revisited once technical data is available, and urges staff to provide scientific evidence validating community concerns and justifying recommended actions. CCEEB also recommends that the District and

community stakeholders engage ARB so that it is demonstrably responsible for community sources under its authority, as specified in the Health and Safety Code Section 44391.2(c)(6).

11-1  
Cont.

In addition to our main point about the technical analysis needed to support the CERPs, we offer these additional recommendations on other areas of the CERPs and CAMPs.

- SCAQMD air monitoring programs are robust and seem to be well aligned with the data collection needs of AB 617 communities.** CCEEB appreciates the tremendous amount of advance work that has been done to secure appropriate instrumentation and expertise, both in-house and through outside contractors. Moving forward, it will be important that the District work with all stakeholders to ensure that data collection, data interpretation, and communication of results will be clear, transparent, and understandable to public users. Context is key. CCEEB believes that the three Community Steering Committees and the AB 617 TAG can assist with this work and provide valuable insight to District staff. Additionally, the District will need to establish how different types of monitoring data can be used for different purposes, e.g., mobile monitoring such as FluxSense can be valuable as a screening tool, but most often more precise measurements are needed as a basis for regulatory actions.
- Effective program metrics are important, yet will be a challenge to develop, track and quantify.** CCEEB believes program success should be measured based on sound data directly related to emissions and exposure reductions, to the extent feasible, while recognizing that some actions will take time to achieve desired results. Thus, it is important for the District to establish realistic timeframes, working with community members to set expectations.
- Incentives and grants will play a major role in reducing emissions and exposures in AB 617 communities.** The CERPs should include a discussion of what funds have been allocated to date, how investments will achieve quantifiable results and community benefits, and what more needs to be done, particularly how groups can help support sustained funding efforts.

11-2

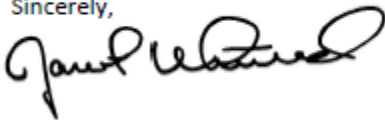
11-3

11-4

In closing, CCEEB wants to recognize the full spectrum of AB 617 activity at the District, much of which lies outside the community plans. This includes but is not limited to work to accelerate implementation of best available retrofit control technology (BARCT), the parallel process to sunset the Regional Clean Air Incentives Market, advocacy at the Legislature and with the Governor's Office to secure nearly \$700 million in incentive funding statewide for AB 617 communities, and substantial technical assistance to ARB and other agencies on issues such as emissions reporting, air monitoring, deployment of low-cost sensors, and development of scientifically sound community inventories based on monitoring and modeling data. While our comments here are specific to the first-year community draft plans, we want to express our appreciation for the totality of

SCAQMD work implementing AB 617 and for its leadership statewide in advancing effective solutions that reduce community exposures and air pollution burden. Across all these efforts, CCEEB commits to continuing our support of the District in its implementation of the landmark AB 617 legislation.

Sincerely,



Janet Whittick  
CCEEB Policy Director

cc: Ms. Karen Magliano, Director of the Office of Community Air Protection, ARB  
Ms. Frances Keeler, CCEEB Vice President and South Coast Air Project Manager  
Mr. Bill Quinn, CCEEB President  
Members of the CCEEB South Coast Air Project

#### Response to Comment Letter #11-1

Chapter 3b – Source Attribution Analysis for the WCWL B CERP was released July 12, 2109 based on the best available inventory data, which is all that is available at this time. The analysis supports the need for the actions in the Draft Final CERP that address sources prioritized (e.g., refineries and ports) by the CSC. For example, based on emissions data provided in the source attribution analysis (see Figure 3 of Chapter 3b) petroleum refineries account for 17% of VOC and 21% of NO<sub>x</sub>, and 65% of SO<sub>x</sub> emissions in the WCWL B community. Overall petroleum refineries are estimated to emit 1,182 tpy of VOCs and 229 tpy of PM<sub>2.5</sub>. These data support the CSC's priority for the actions in the Draft Final CERP to reduce emissions from petroleum refineries.

#### Response to Comment Letter #11-2

The South Coast AQMD staff will continue efforts to work with all stakeholders to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. The South Coast AQMD has launched its AB 617 Community Air Monitoring website and its Data Display tool featuring air quality data reporting from selected fixed community air monitoring stations. The primary goal of this tool is to share preliminary continuous monitoring data in near real time and finalized results of laboratory analyses and mobile platform survey monitoring.

South Coast AQMD staff presented initial results from air monitoring conducted for the AB 617 CAMPs at the CSC meeting held on August 7, 2019. Several actions in the CERP include a commitment from staff to continue to provide similar updates. For example, Action 1 of Chapter

5g, includes a commitment from South Coast AQMD staff to provide CSC members quarterly or biannual updates on efforts for air monitoring beginning the third quarter of 2020.

Response to Comment Letter #11-3

The Draft Final CERP includes emission reduction goals and a course of action (i.e., step by step measures) with an estimated timeline. For example, the Draft Final CERP includes a goal to reduce overall NOx emissions from refineries by 50% by 2030. This overall emission reduction goal is supported by five different actions to reduce emissions from petroleum refineries. The actions include step by step measures to address emission sources at refineries, timelines and an estimate of emission reductions that contribute to the overall emission reduction goals for the Draft Final CERP. The South Coast AQMD staff will update the CSC on emission reduction progress.

Response to Comment Letter #11-4

Approximately \$101 million were allocated to projects in the South Coast Air basin that were funded by AB 134, of which 89% were located in disadvantaged and low-income communities. Of the total allocation \$319,622 was awarded to emission reduction projects located in the East Los Angeles, Boyle Heights, West Commerce community. Also, \$21,925,447 was awarded to emission reduction projects located in the San Bernardino, Muscoy community and \$9,036,563 to the Wilmington, Carson, West Long Beach community. Clean off-road equipment and near-zero emission trucks are two examples of the kinds of projects that the allocation funded.

The emission reduction targets in Chapter 5a for mobile source incentives are based on mobile source projects that have historically been incentivized in the Year 1 communities. Based on this information the estimated emission reductions for mobile source incentive projects in the Year 1 communities are between 40 and 50 tpy of NOx and 0.5 to 0.6 tpy of DPM emissions. The CERPs include actions to work with other entities to identify new funding opportunities.



Comment Letter #12: Alicia Rivera, et al. – Communities for a Better Environment (CBE)

Comment Letter #12



Jun 27, 2019

SCAQMD

The AB617 Team

Submitted Electronically:

<https://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>

**Re: Wilmington/Carson/W. Long Beach Draft CERP does not meet AB617 promised goals**

Dear AB617 Team,

Thanks for your hard work toward a new process in Wilmington / Carson / W. Long Beach (WCWLB) to listen to our community members, and develop a Community Emission Reduction Plan (CERP), to address long-standing unfair and extreme air pollution burdens here. AB617 (Assembly Bill 617, C. Garcia, 2017) was adopted by California with the promise that it would address cumulative impacts of “co-pollutants”, including smog-precursors and toxics emitted at the same time as greenhouse gases (GHG). This was designed to make up for GHG pollution trading through Cap & Trade, which allows concentration of harmful fossil fueled sources and expansion of these sources in our community, through a pay-to-pollute system. WCWLB bears the burden of the highest concentration of fossil fueled and other air pollution sources on the West Coast, with 5 oil refineries, the Ports of LA and Long Beach, extensive urban oil fields, extreme diesel traffic, and many other sources in a community that is over 90% people of color. Consequently, this area received approval to develop a customized Community Emission Reduction Plan for cumulative impacts (out of less than ten communities statewide in the first round, though many other communities need one).

This new AB617 process through the WCWLB Steering Committee started out somewhat chaotic, but improved in facilitation, and the District made many efforts to include us effectively. However, we are very disappointed in the substance of the draft CERP developed by the District (6/7/2019).<sup>1</sup> It does not quantify goals for emission reductions over time to eliminate or measurably reduce cumulative air pollution burdens here, nor to meet health standards. It is not an actual plan to meet AB 617 goals – it is a list of a few potential measures for each source category. It includes very few actual regulations toward this end, instead consisting mainly of air monitoring and enforcement of existing requirements. And the few proposed regulations were generally measures previously promised by the District, or separate from AB 617, so they do not seem to fulfill a new mandate. They are however a beginning and a step forward, and do include some measures we requested.

12-1

We apologize for submitting our formal written comments in response to the CERP a few days late, but we also ask the District to ensure that they are fully considered, as we have made most if not all of these same comments previously, to the District and the California Air Resources Board (CARB). We have received correspondence from the District stating that our comments may not be guaranteed to be addressed until September in the CERP process. This would be inadvisable and unfair in achieving AB617 goals. The District itself did not meet its own deadline for publishing the Draft CERP (which was promised to the public in May,

12-2

<sup>1</sup> <https://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>



but published as an incomplete version starting June 7<sup>th</sup> and continuing in pieces for days after). There are many factors which made it very difficult for our community to complete comments by the District's strict deadline. Two days before your June 24<sup>th</sup> comment deadline, the District held a major public hearing on a different regulatory issue, far from our community in Diamond Bar, necessitating long travel and preparation for community testimony (on Rule 1410, on use of deadly modified hydrogen fluoride). The District has also held multiple public meetings or events key to our communities but separate from AB617 almost every week for months, in which our communities took part intensively, despite the burdens to our members, families, and staff, and with little or no consultation about scheduling. We know the District personnel also worked long hours on all these subjects, but we expect full consideration and addressing our comments at the July 11<sup>th</sup> WCWLB Steering Committee, and at the July Stationary Source Committee of the Board. These are not new issues that the District did not previously hear from us.

12-2  
Cont.

I. General Recommendations Summary:

- A workable plan must include quantified emissions reductions (for example in pounds per day), with the purpose of addressing the cumulative burdens in our local communities – the current plan does not. We and others have previously made this comment orally during multiple AQMD WCWLB meetings, also as part of our written slideshow presentation by our representative Alicia Rivera during the AQMD May Steering Committee ["AQMD needs to contribute cuts in tons/day with deadlines."],<sup>2</sup> and among other comments, in our letter to the State, regarding the design of the overall AB617 program Blueprint through the California Environmental Justice Alliance (CEJA). ["All CERPs should result in substantial and quantifiable annual reductions that are above and beyond what is already required by existing law and regulations and ensure no net increase in criteria air pollutant and toxic air contaminant emissions."] As a member of CEJA, CBE (Communities for a Better Environment) and other member organizations developed and submitted these comments July 23, 2018. Please see these CEJA comments in full, which we incorporate by reference on this topic and on many other topics described below. We assume AQMD would take into account extensive comments made to CARB regarding the overall state Blueprint development AB617 last year. If not already done, we reference our CEJA comments here.<sup>3</sup>
- A workable plan needs metrics to meet health standards – We noted the LA County Health Department also stated this in their recently submitted comments on the draft CERP.<sup>4</sup> We agree with the County's comments regarding both the need to meet health standards and quantify emission reductions. ["DPH recommends that each Chapter 5A-5G identify the Measurable Targets to address community emissions reductions from 1) refineries, 2) ports, 3) truck traffic, 4) oil drilling and production, 5) railyards, and at 6) schools, childcare centers and homes. Additionally, include health-based and data-driven air quality objectives including, but not limited to, the collection of community-level health data to be able to link emissions reductions to improved health outcomes. It is important that both the targets and baselines are established; therefore, it is possible to track progress of

12-3

12-4

<sup>2</sup> CBE, Alicia Rivera, May 9, 2019, at Slide 10 on quantifying reductions, plus many other recommendations, available at: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-cbe-june13-2019.pdf?sfvrsn=8>

<sup>3</sup> CEJA Comments on Draft Community Air Protection Blueprint, p. 5 available at: <http://www.cbecal.org/wp-content/uploads/2018/07/CEJA-Comments-on-CARB-DRAFT-617-Blueprint.pdf>

<sup>4</sup> Matt Baca, BSHA, DR, TLO, Project Manager, and Alyssa Beltran, MPH, June 20, 2019, available at: [http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplateParameter.aspx?MyQuervID=257&OBKey\\_1409\\_1=WIL](http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplateParameter.aspx?MyQuervID=257&OBKey_1409_1=WIL)

*emissions reductions over time.”]* Our CEJA comment above also stated this last year to CARB, with many specific detailed recommendations on achieving health standards.

- **AQMD needs to address anticipated increases in air pollution projected ~2025 to 2029 and potentially continuing, by planning comprehensive switching to clean, renewable, zero emission energy sources.** AQMD identified in presentations to the its AB617 Technical Advisory Committee, that despite the District’s emission reduction plans, certain pollutant levels increase after ~2025, because of increased production or population. For example, the slide entitled “Projecting Future Point Source Emissions: Example of NOx Emission”, shows progress in emissions reductions through about 2025 due to existing regulation, then increasing air pollution due to economic growth factors.<sup>5</sup> Because of the extreme fossil fuel burdens here, the plan must not only include individual source reduction regulations, but must include reasoned longer term plans that explicitly phase out fossil fueled sources step by step by 2050. Otherwise, our local communities and the region cannot meet AB617’s goal to address air pollution inequities, nor California’s goals to cut GHGs 80% by 2050 (in AB32 and other requirements). 12-5
- **While AQMD is right in elevating the community priorities, this cannot be used to shield the District from its responsibility to use its own expertise to reach AB617 goals.** Obviously the District has many more resources than community members. While community members’ knowledge and expertise must be recognized and seriously respected, AQMD must also propose a coherent plan that comprehensively and quantitatively addresses the cumulative impacts. Community members of the steering committee and public have made substantial contributions, but should not be expected to do the whole job. The District has placed undue focus solely on a few listed community priorities, rather than supplementing with a full plan. 12-6
- **Please review our referenced CEJA comments regarding many other general recommendations statewide, that apply equally to WCWLB.**

## II. Oil Refineries and Oil Drilling

### A. Report Card

Regarding specific measures in the CERP on Oil Refineries (Chapter 5b), and Oil Drilling and Production (Chapter 5e)<sup>6</sup>, we first summarize our finding in the following Table and Report Card. Unfortunately, due to many problems including those deficiencies identified above, we gave the District a D (Unsatisfactory) for these emissions sources, because of a lack of quantified emissions reductions and overall emissions and goals, lack of plans for switching, and for leaving out specifics we had previously proposed or supported. We note however that important measures were identified that represent improvements from existing conditions.

The concepts and many specifics of this table were orally presented to AQMD at the June Steering Committee of WCWLB by CBE and other community members.

<sup>5</sup> SCAQMD, Emissions Inventory in the Base and Future Milestone Years – Point and On-Road Mobile sources, Assembly Bill (AB) 617 Community Air Initiatives, Technical Advisory Group Meeting, May 29, 2019, Slide 11, available at: <https://www.aqmd.gov/docs/default-source/ab-617-ab-134/technical-advisory-group/presentation-may29-2019.pdf?sfvrsn=9>

<sup>6</sup> Available at: <https://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>

## Community Summary Report Card on SCAQMD WCWLB CERP Preliminary Draft of 6/7/2019 – Oil Refineries and Oil Drilling

(Grading – A: Excellent, B: Good, C: Satisfactory, D: Unsatisfactory, E: Failed)

Sector / Grade / Achieved New Emissions Reductions?	Improvements from Status Quo / Notes / Other
<p><b>REFINERIES -- D+ -- Unsatisfactory</b></p> <p>Only 1 regulation with a specific reduction goal – Flare Regulation Goal to reduce flaring 50% (although no mass emission reduction identified)</p> <p>Does not include Refinery Boiler &amp; Heater requirements beyond RECLAIM commitments (only refers to existing RECLAIM replacement program Rule 1109.1).</p> <p>Does not require Cat. Crackers to add Wet Scrubbers we identified, which BAAQMD is considering.</p> <p>Does not require new Refinery Storage Tank emission reductions, though District previously identified this in its slides at WCWLB meeting as potential measure</p> <p>Does not include <i>any</i> new refinery control measure beyond those identified by the community.</p> <p>Allows continued Oil Refinery expansion permits in already over-burdened region – does not fulfill AB617 promise for plan over time to quantitatively address local burdens.</p> <p>No measures to identify or address changes in Crude Oil characteristics that impact air emissions (e.g. API or sulfur %)</p> <p>Contains no long-term ideas for fossil fuel replacement necessary to achieve goals</p>	<p><b>IMPROVEMENT FROM STATUS QUO:</b> Does include important measures promised in past by AQMD or already required, but not previously scheduled:</p> <ul style="list-style-type: none"> <li>• Flaring notice improvements</li> <li>• Tightened flaring requirements (promised 2 years ago by AQMD but now formally committed)</li> <li>• Improved VOC leak detection (increased monitoring &amp; enforcement of existing regulations but no new emissions reductions requirements). This begins to address higher VOCs found by the joint AQMD Fluxsense study with Swedish scientists published 2017, highlighted by community members but unaddressed in AQMD inventory and permitting.</li> </ul> <p><b>NOTE re need for MHF Regulation:</b></p> <p>Although another community recommendation (Banning MHF at 2 SoCal refineries) relates to accidental release threat rather than ongoing criteria and toxic emissions, refinery MHF use causes a major threat of death or permanent harm in a major release. Oil Refinery safety cannot be separated from ongoing emissions, so the CERP should include a goal to phaseout MHF within 4 years, as urged by the community. (This is an inherent part of Valero Refinery's fossil fuel production, and so related to both the GHG and local emissions.) Please incorporate by reference previous written comments by CBE with other organizations in the Rule 1410 context, which urge the District to develop a direct regulation for phaseout within four years, without a Performance Standard allowing continued MHF use.</p>
<p><b>DRILLING – D – UNSATISFACTORY</b></p> <p>Does not address biggest need – STOP EXPANDING DRILLING NEAR NEIGHBORS, SUPPORT COMMUNITY GOAL OF 2500 FT BUFFER ZONE</p> <p>Does not commit clearly to any new emission reduction regulation – proposes <i>considering</i> tightening of Rule 1148.1 requirements</p> <p>Continues to require reporting and monitoring to prove persistent problems before taking action. This approach has failed repeatedly– it assumes Oil Drilling is innocent until proven guilty, despite being a known emissions risk that is inappropriate near neighbors. Reporting &amp; monitoring are important, but cannot replace pollution prevention.</p> <p>Does not address emissions reductions nor monitoring of sulfur compounds (H<sub>2</sub>S, SO<sub>x</sub>, CS<sub>2</sub>, COS, etc.)</p>	<p><b>IMPROVEMENT FROM STATUS QUO:</b> Does include measures intended to reduce odors, leaks, give public notice:</p> <ol style="list-style-type: none"> <li>1) Leak Reduction efforts: <ul style="list-style-type: none"> <li>• ID high priority wells, increase monitoring, leak detection, enforcement of existing requirements</li> <li>• Make data more user-friendly and accessible to community</li> <li>• Take follow-up action if persistent emissions detected (this will fail if not consistent enough since well impacts can wax and wane over time)</li> <li>• Expedite response to odor complaints</li> </ul> </li> <li>2) Improved Public information: Factsheets, infographics, outreach, public education.</li> <li>3) <i>Evaluates whether to tighten Rule 1148.1 to require emissions cuts.</i></li> </ol>

12-7

12-8



## B. Oil Refinery Flaring – Details of Emission Reduction Improvements Needed

CBE has previously submitted detailed comments on Oil Refinery flaring, for example during the Rule 1118 update in July 2017. At that time the District had committed to come back in 2018 with additional improvements to the regulation, including committing to provide optical sensing for flares, after the District had found that previous flare emission estimates were major underestimations of emissions. CBE has been closely involved with the original development of AQMD flare regulations, which greatly reduced flaring. However, substantial flaring still occurs, and it can dump large volumes of VOCs, SOx, particulate matter, and other pollutants in a short time. While this is not a continuous major emission source, it can have a big impact in concentrated time periods.

We incorporate our attached comments on the Final Proposed flaring Regulation 1118, which we submitted July 6, 2017<sup>7</sup> and request that the District include these recommendations and those below in the CERP, to supplement the rule update proposed for the CERP.

CBE also discussed many details of improvements for flaring during Alicia Rivera's May 9<sup>th</sup> presentation to the WCWLB Steering Committee, which came from our written and oral comments during the 2017 flare rule proceedings, summarized (and supplemented) as follows:

- **Flaring needs more emissions cuts (not just Notification), and the District should investigate eliminating most flaring, as it previously stated it would begin.** We do note and appreciate that in the Draft CERP, AQMD has added a goal to reduce flaring 50% if feasible. We propose eliminating or minimizing flaring to the greatest extent feasible. We understand flares are needed for *true* emergencies, but much more can be done to prevent emergencies, *and* to prevent planned flaring. This will also improve refinery safety (because one way to eliminate flaring is to reduce repeated malfunctions, including a common one – shutdowns due to power outage). It should also evaluate storing some level of gases within refineries through slower degassing of vessels during partial shutdowns, in order to further reduce planned flaring.
- **All refineries should have Flare Minimization Plans.** This should also prevent flaring in power outages.
- **Tighten Sulfur Oxide requirements and set a VOC standard, plus penalties for VOCs.**
- **We need Optical Remote Sensing for flares** as promised in the past. Monitoring in flare stacks is important but not enough. (Currently flare gas volume and concentration of pollutants are measured within the stack, then an estimated destruction efficiency / emissions factor is used to estimate emissions after combustion in the flare. This has proven inaccurate, causing underestimation of flaring in the past as the District is aware, since it was necessary to modify emission factors during the last round of flare rule updates.
- **"Clean Service" flares are not really clean** and should not have special exemptions. Emissions Factors for burning propane, butane, and methane in flares greatly underestimate VOCs.
- **Methane should no longer be exempt** - studies show it can substantially add to ground-level ozone, not only greenhouse gases, as we have previously commented to the District.
- **Flare Data should be online!** BAAQMD puts daily flare data online, but SCAQMD only provides quarterly totals. We shouldn't have to do Public Records Requests every time we want to look at flare data. We appreciate that AQMD has told us that it plans to improve online data.

12-9

<sup>7</sup> CBE, Alicia Rivera, Julia May, Jaimini Parekh, *Re: Support Flare Rule 1118 with 2 Easy Amendments: 1) Fix Bad Emission Factor, 2) Add Plans to set VOC Performance Standard*, attached

### C. Other Major Refinery and Oil Drilling sources we previously identified

#### 1. Need Comprehensive Refinery Boiler and Heater Emission Reductions:

AQMD has committed to replacing the RECLAIM program with direct emission reduction measures, including through development of Rule 1109.1 this year for oil refineries. We had commented on the need to go beyond RECLAIM replacement, to address more comprehensively the emissions from Refinery Boilers and Heaters. We previously commented on this need at multiple points orally during the WCWLB meetings, also in the slide presentation of Alicia Rivera [*"Giant old Refinery Boilers and Heaters use massive quantities of fuel and need to be replaced with BACT, to achieve more cuts than just replacing RECLAIM."*] Note that BACT (Best Available Control Technology) can include fuel switching options, including innovative systems such as solar-preheating, which we urge the District to consider

CBE also submitted our own comments to CARB during the development of the AB617 Blueprint (in addition to the CEJA comments).<sup>8</sup> **We incorporate these by reference (available in the link below).** We urge AQMD to consider the details of that comment as it applies to Refinery Boilers & Heaters (and other sources). This identified a CARB data evaluation of Boilers & Heaters Statewide, which evaluated many ways to minimize emissions, including through replacement. Here is an excerpt of the comments regarding reduction measures for numbers of these sources statewide (a large portion of which are located in the South Coast):

12-10

Emission reduction measures included (for 282 Refinery Boilers, 293 Oil and Gas Boilers, and 524 Refinery Process Heaters):

1. Replacing low and medium efficiency Boilers (Categories 1 and 2)
2. Optimizing boilers by reducing excess air
3. Retrofitting feedwater economizers
4. Retrofitting with air preheaters
5. Blowdown Reduction with controls and with feedwater cleanup
6. Blowdown heat recovery
7. Optimizing steam quality
8. Optimizing condensate recovery
9. Minimizing vented steam
10. Boiler insulation maintenance
11. Steam trap maintenance
12. Steam leak maintenance
13. Replacing low and medium efficiency heaters
14. Optimizing heaters
15. Recovering flue gas heat
16. Replacing refractory brick
17. Heater insulation maintenance

We know the District is also very aware of emission reduction measures for these sources.

<sup>8</sup> CBE Comments on Draft Community Air Protection Blueprint pursuant to AB 617; Need Strong State Mandated Refinery, Transportation, and Small Cumulative Source Cuts, 7/23/2018, pp. 7-11, available at: <https://www.arb.ca.gov/lists/com-attach/29-ab617ecap18-UTMGaQBvU2FQOgZ7.pdf>

Many old Boilers and Heaters have avoided strong regulation over long decades, and been given breaks in permitting during expansions which allowed increased use, without new emissions controls or application of BACT.

The District should plan within the CERP and the region to fully optimize emissions reductions for Refinery Boilers and Heaters, go beyond RECLAIM requirements, and eliminate antiquated sources. Frequently, oil refineries that could have saved money and energy (according to CARB's data), have foregone replacement of boilers until they plan expansions. Then regulators have allowed them to do so voluntarily, so that they could use the shutdowns to offset other refinery expansions. These old units should have instead been cleaned up earlier through regulatory requirements, rather than using them to enable further fossil fueled expansion. We need to see this kind of practice stop, and plan to meet BACT standards for these units.

12-11

## 2. Need consideration to add requirement for Wet Scrubbers for oil refinery FCCUs

The BAAQMD (Bay Area Air Quality Management District) is considering adopting a regulation that would drastically cut oil refinery particulate matter and other emissions from FCCUs (Fluid Catalytic Crackers). CARB also directed AQMD to bring such a rule for consideration as part of AB617. Our WCWLBB steering committee representative Alicia Rivera's slides also brought up this issue [*"Also require refinery Catalytic Cracking units to cut PM2.5 and SOx at least equal to Wet Scrubbers being considered in the BAAQMD, with no emission increases."*, Slide 10]

12-12

In addition, our previously described 2018 AB617 Blueprint comment letter to CARB, (available in the CARB docket link<sup>9</sup>), described this issue in detail. We incorporate those statewide comments, and refer AQMD's WCWLBB CERP team to them (see pp. 11-14). We ask that you mandate that air districts require wet scrubbing or equivalent PM2.5 and SOx emission cuts from catalytic cracking units (CCUs) at oil refineries, and include this in the draft CERP.

## 3. Evaluation and Moratorium on Extreme Crude Oils related to air pollution and safety

So far the District has declined to provide a serious evaluation of the impacts of crude oils on air pollution, including impacts of extremely heavy or high sulfur crudes including Canadian Tar Sands, or extremely volatile, high benzene crude oils such as North Dakota Bakken Crude Oil. There has been a continuing threat that these previously geographically isolated crudes will develop new transport (major pipelines, crude by rail to port permits, etc.) that would allow access to high volumes of such extreme crude oils to LA refineries. The District should provide web data for easy access of crude oils used by oil refineries in the region, to the public. This data can be accessed currently only for non-domestic crudes, through the US EIA (Energy Information Administration), but it requires a fair amount of digging and processing this data. The District could make such data more accessible, and could also gather data on domestic crude oil use at the refineries. The District could certainly provide this in aggregate, if not in detail, and evaluate how different crudes impact air pollution at oil refineries, related to energy use, sulfur emissions, criteria pollutants, GHGs, heavy metals, etc. CBE has submitted extensive comments on this issue in the past.

12-13

## 4. Additional Measures

<sup>9</sup> <https://www.arb.ca.gov/lists/com-attach/29-ab617ocap18-VTMGaQBvU2FQOeZZ.pdf>



Please address the following in the CERP:

- Add a moratorium on refinery and drilling expansions (as well as longer term plans to phase them out).
- The AQMD Fluxsense Study published in 2017 by Swedish Scientists, found Oil Refinery benzene emissions are greatly underestimated and on average should be 34 times higher. The scientists said VOCs & benzene are mostly from Storage Tanks, but AQMD has not changed the emission inventory.
- We urge that the District emissions inventory and permitting calculations be updated to reflect the true VOC & benzene impacts.
- We urge the District to re-open refinery Storage Tank regulations to achieve additional VOC and benzene reductions, taking into account the underestimated emissions.

5. Regarding Oil Drilling, see the report card earlier, and support the Community's Recommendation for a 2500 ft. buffer zone between drilling and residents.

In addition to the need for a buffer zone, the District should strengthen its recommendation regarding considering tightening Rule 1148.1, and make a clear commitment to tightening this rule.

Regarding the buffer zone, the District has previously stated it does not believe it has the authority to require it. Regardless, the District can recommend and support that a buffer zone (which we are seeking from the City and County of LA), would reduce community exposure to air pollutants from oil drilling and production. We urge the District to recommend that this be carried out by the City and County, and for the State of California. Since oil drilling operations have been able to do lateral drilling for some time, there is flexibility in the location of the wells, and it is not necessary to operate near residents. Furthermore, the District should support a phaseout by 2050 of oil drilling in the District, as part of California's 80% GHG cuts goals. This would also help the District meet criteria pollutant standards in the region.

### III. More comments will be possible when the District develops a quantitative plan

It is difficult for us to comprehensively comment without having a more comprehensive plan. We look to the District to develop a customized plan for WCWLB that seeks to solve the inequities of air pollution here over time. We know this will not instantly happen, but we also know that more can be done. We again emphasize the concepts of zero emission technologies and a Just Transition to clean renewable energy. This comment has focused mostly on stationary sources, but we strongly support measures to achieve zero emission, non-fossil-fueled transportation. This will not only eliminate transportation emissions, but also eventually eliminate the need for oil refineries and oil drilling. This is the only way to solve the problem in the long term.

Thank you for your consideration.

Alicia Rivera  
CBE WCWLB SC Representative  
and CBE Wilmington Adult Organizer

Ashley Hernandez  
CBE WCWLB SC Alternate  
and CBE Wilmington Youth Organizer

Sylvia Arredondo  
Wilmington Community SC Alternate  
and CBE Civic Engagement Coordinator

Julia E May  
Senior Scientist, CBE

Katherine Hoff  
Staff Attorney, CBE

--Attachment

Response to Comment Letter #12-1

The comment provides an overall summary of the comments listed below. Please see the detailed responses below for a point-by-point response.

Response to Comment Letter #12-2

Staff is addressing CBE's submitted comments within this appendix. Portions of CBE's comment letter were addressed in the Draft CERP released in July 2019 and in subsequent drafts.

Response to Comment Letter #12-3

Please see Response to Public Meeting Comment # 1-2.

Response to Comment Letter #12-4

Please see Response to Comment Letter #1-2 and 7-3.

Response to Comment Letter #12-5

The CERP includes actions to address the replacement of mobile source equipment (e.g., heavy-duty diesel trucks) with zero-emission technologies once they become available, and near-zero emission technologies until that time. These actions reduce the reliance on fossil fuels for the planning horizon years 2025 and beyond. Additionally, certain actions in the CERP simultaneously reduce emissions from petroleum refineries, for example, Action 5 of Chapter 5b has a goal of 50% NOx emission reductions by 2030. See Response to Public Meeting Comment # 1-2 regarding long term plans for phasing out fossil fueled sources.

Response to Comment Letter #12-6

See Response to Comment Letter #8-4.

Response to Comment Letter #12-7

CBE provided a report card that rated the actions in the Discussion Draft CERP that address petroleum refineries and oil drilling and production. South Coast AQMD staff worked closely with CBE to address actions that CBE rated as unsatisfactory in the report card. The results of this work have been integrated into subsequent CERP drafts where appropriate and are explained below.

- The South Coast AQMD staff quantified potential emission reductions for flaring and revised the CERP to include estimates for a reduction of flaring events and/or emissions by 50% by 2030, if feasible. The estimated emission reductions are 19 tpy of NOx, 11 tpy of SOx, and 1 tpy of VOCs by 2030.
- Rule 1109.1 is described in Action 5 of Chapter 5b in the CERP. This Action includes an evaluation of the technical feasibility and cost effectiveness of Best Available Retrofit Control Technology (BARCT) to reduce emissions from refinery equipment including existing boilers and heaters, and also other types of refinery equipment. Additionally, the Action commits South Coast AQMD staff to exploring opportunities to replace older equipment with newer, more efficient, and less emitting equipment with other pollutant co-benefits.



- See Response to Public Meeting Comment # 1-2 regarding requirements for PM controls on fluid catalytic cracking units (FCCUs)
- Action 4 in Chapter 5b includes an additional measure to initiate rule development to amend Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities. This Action includes establishing baseline emissions based on air monitoring and initiating amendments to Rule 1178 in 2021. Also, the Action contributes to the overall 50% VOC emission reduction goal for refineries by 2030.
- Regarding refinery expansions and fossil fuel replacement see Response to Public Meeting Comment # 1-2.
- Regarding crude oil characteristics see Response to Comment Letter ##12-13.
- South Coast AQMD is currently considering the issue of the storage and use of MHF at the two local refineries in a separate public process. Recently, the Governing Board directed staff to work with both the community and industry to reach resolution and present to the Refinery Committee for review, with the Committee making recommendations to the full Board. Staff held 19 meetings with the community, unions, and refineries discussing both an MOU and a rule approach. As directed by the Board, staff presented the status of these meetings to the Refinery Committee on Saturday June 22, 2019.

#### Response to Comment Letter #12-8

Air monitoring and enforcement data provide the South Coast AQMD staff with additional information to further reduce emissions from oil and gas production sites. Additionally, Action 1 of Chapter 5e commits South Coast AQMD staff to share air monitoring information with other agencies (e.g., land use agencies). This information can help other agencies make informed land use decisions (e.g., appropriate buffers) to mitigate air quality impacts from oil drilling and production sites. Also see response to comment 8-11. Regarding emission reductions for sulfur compounds see Response to Public Meeting Comment #1-2.

#### Response to Comment Letter #12-9

##### *Flaring Needs More Emission Cuts*

In Action 3 of Chapter 5b, South Coast AQMD staff has committed to initiate rule development to amend Rule 1118 with a goal of reducing flaring emissions by 50%. The Action identifies examples of additional provisions to be considered during rule development that further reduce flaring. These examples include:

- Lower performance targets and/or increased mitigation fees,
- Increased capacity of vapor recovery systems to store gases during shutdowns,

- Header modification for gas diversion with process controls,
- Back-up power systems for key process units,
- Remote optical sensing for flare emissions characterization,
- Lower-emission flaring technologies, and
- Flare minimization plans for all refineries.

#### *Flare Minimization Plans*

Rule 1118 requires refineries to submit flare minimization scoping plans. South Coast AQMD staff will review these plans, new technologies, and other information to assess the technical feasibility of future rule requirements. Consideration of flare plans for all refineries have been added to Action 3 of Chapter 5b.

#### *Tighten Sulfur Oxide Requirements*

The Goal of Action 3 in Chapter 5b is to contribute to the overall emission reduction goal for refineries by 11 tpy of SO<sub>x</sub> by 2030.

#### *Optical Remote Sensing*

During the 2017 amendment to Rule 1118, staff mentioned that a pilot study of optical remote sensing<sup>5</sup> could lead to new techniques that can better evaluate flaring emissions, and can potentially improve flare combustion efficiency by providing real-time feedback on combustion dynamics to facility operators. The results of a RFI (Request for Information) is under review and optical remote sensing is explicitly provided as an example of additional provisions to be considered during rule development to further reduce flaring.

#### *Clean Service Flares*

Facilities that are subject to Rule 1118 are required to submit daily and quarterly emissions reports for criteria pollutants from each flare and each flare event. This does not include methane. EPA has not yet classified methane as a regulated VOC for ozone control purposes. Methane is considered to be a greenhouse gas that is regulated by CARB. As part of the California Methane Research Program, CARB and the California Energy Commission (CEC) are working together to facilitate research efforts to achieve methane reduction goals laid out by both the Governor and the legislature. To find out more information regarding those findings, please visit CARB's website: <https://ww2.arb.ca.gov/our-work/programs/methane-research>.

#### *Online Flare Data*

---

<sup>5</sup> Please see the 2017 Rule 1118 Final Staff Report, Response to Comment 5-3:  
<http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-jul7-038.pdf?sfvrsn=5>.

Action 1 of Chapter 5b is to improve refinery flaring notifications. Further, this Action includes posting flare emissions data in a more user-friendly format on South Coast AQMD's website and/or the mobile application.

Response to Comment Letter #12-10

The process of transitioning the refineries in RECLAIM to a command-and-control regulatory structure involves a comprehensive review of NOx emissions from all refinery equipment. Proposed Rule 1109.1 will not only address boilers and heater, which are major sources of emissions in refineries, but other equipment as well. The South Coast AQMD staff is developing Best Available Retrofit Control Technology (BARCT) limits for boilers, heaters, gas turbines, incinerators, engines, fluid catalytic cracking units, a coke calciner, and sulfur recovery units. Staff is not limited by the emission reduction commitments in the RECLAIM NOx shave, the BARCT assessment will reduce emissions whenever technically feasible and cost effective. Further, the South Coast AQMD staff does not consider the BARCT assessment to preclude replacement technologies where they meet the definition of BARCT; staff considers BARCT to be an emission limitation and not limited to a particular technology, whether add-on or replacement.

Response to Comment Letter #12-11

As stated in response to comment 12-10, South Coast AQMD staff is not limited by the emission reductions committed to under the 2015 RECLAIM NOx shave or the Control Measure CMB-05 – *Further NOx Reductions from RECLAIM Assessment* in the 2016 Air Quality Management Plan. Staff is conducting a completely new BARCT assessment, separate from what was completed in 2015, which will seek the maximum emission reductions possible, provided they are technically feasible and cost-effective. As directed by Assembly Bill 617, the rule will give highest priority to those permitted units that have not modified emissions-related permit conditions for the greatest period of time. Staff always seeks to develop rules that are technology neutral; therefore, the rule will not dictate whether a facility must replace or retrofit older equipment, but will identify an emissions limit that must be met. However, staff will evaluate factors that might hinder equipment replacement to identify pathways toward the installation of more efficient equipment meeting current Best Available Control Technology. Staff welcomes community participation in the rule development process.

Response to Comment Letter #12-12

See Response to Public Meeting Comment #1-2 regarding requirements for PM controls on fluid catalytic cracking units (FCCUs).

Response to Comment Letter #12-13

The refineries consider specific information regarding the types of crude oils processed by their facilities to be confidential trade secret information. Although the South Coast AQMD does not collect that information, there are other entities, such as the California Energy Commission (CEC) that do. The CEC collects various types of information, such as total crude oil from the California refineries, and publishes the total crude oil capacity for each refinery on its website:

[https://ww2.energy.ca.gov/almanac/petroleum\\_data/refineries.html](https://ww2.energy.ca.gov/almanac/petroleum_data/refineries.html). The South Coast AQMD has not found it necessary to collect this type of data for its regulatory purposes.

Through the Petroleum Industry Information Reporting Act, the CEC collects data about the amount and type of fuel used by refineries in California in the Monthly Refinery Fuel Use Report. The data is available at: [https://ww2.energy.ca.gov/almanac/petroleum\\_data/refineries.html](https://ww2.energy.ca.gov/almanac/petroleum_data/refineries.html). The U.S. Department of Energy - Energy Information Administration (EIA) also requires petroleum refineries located throughout the United States to submit a Month Refinery Report through the Federal Energy Administration Act of 1974. The EIA conducts a monthly energy review which is a publication of recent energy statistics: <https://www.eia.gov/totalenergy/data/monthly/>. The data categories within this publication include petroleum and crude oil and natural gas resource development.

#### Response to Comment Letter #12-14

The South Coast AQMD has in place a number of regulations limiting emissions from refinery operations, including a requirement for best available control technology for new or modified sources. If a refinery project meets the requirements of South Coast AQMD rules, we are required to issue permits for the project. Our authority to adopt rules is limited to regulating air pollution emissions, rather than directly limiting refinery throughput. Staff is currently working on a new BARCT rule for refineries, Rule 1109.1, and will continue to seek input from interested members of the public during this process.

#### Response to Comment Letter #12-15

See Response to Public Meeting Comment #1-2 regarding VOC emission reductions. Additionally, Action 4 of Chapter 5b is to initiate rule development to amend Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities (see Action 4 of Chapter 5b – Refineries). This Action also includes specific considerations for amendments to Rule 1148, for example, the use of enhanced leak detection tools (e.g., forward-looking infrared (FLIR) cameras and optical remote sensing) to further identify more quickly and mitigate leak emissions from storage tanks and other sources at refineries.

#### Response to Comment Letter #12-16

See Response to Comment Letter #8-11.

#### Response to Comment Letter #12-17

The comment is a summary of the detailed comments in the Comment Letter. South Coast AQMD has responded to the comments in the above responses, in revision to the Draft Final CERP, and in Response to Comment Letter #17.

## Comment Letter #13: Jesse Marquez – Coalition For A Safe Environment

## Comment Letter #13



### Community Emission Reduction Plan (CERP) Comment Form

AB617 Year 1 Community  
Wilmington, Carson, West Long Beach

AB617 Year 1 Community Code  
WIL

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

Date Created  
07/02/2019

Time Created  
2:17 PM

#### Commentor Contact Information

Commenter's Name \*  
JESSE N. MARQUEZ

Affiliation \*  
Community Organization

Email Address \*

[REDACTED]

Email Address Valid (Y/N)  
Y

**Comments (Unlimited Size) \***

We the Coalition For A Safe Environment are concerned that the AQMD writes a nice picture of everything when in fact we have very serious concerns and aspirations of hope for our communities that need to be clearly written in the CERP. We do not see our comments or request's as controversial. We want the reader and public to know AB 617 requirements, our communities concerns, perspectives, requests and expectations.

The Community Plan, CERP and CAMP are our plans.

Please see attachments of our 10 detailed public comments.

13-1

**Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)**

Archivos de comentarios sobre el CERP

**Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file) (10)**

**CERP Comment Files**

PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N  
PLN - AB617 Comments - 7/2/2019 - Comment Type: DRAFT CERP - Author: JESSE N. MARQUEZ - Affiliation: Community Organization - WIL - N

## Comment Letter #13

### Executive Summary

This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC), **Community Organizations with Air Quality Monitoring and Mitigation Experience** and the South Coast AQMD to reduce air pollution in the Wilmington, Carson, West Long Beach community. An essential piece of the AB 617 program is the partnership and collaboration with the community to ensure that the CERP addresses the community's air quality priorities. At the center of these efforts is the CSC that was established, in part, to participate in the development and implementation of these plans. The CSC is a diverse group of people who live, work, own businesses, and/or attend school within the community. Local land use agencies and public health agencies that serve the community are also part of the CSC. Through the CERP development process, the CSC members provided guidance, insight, and community wisdom, all of which were important ingredients for the CERP. The CERP is a critical part of implementing Assembly Bill 617 (AB 617), which is a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. The AB 617 program aims to invest new resources and conduct focused actions in these communities to improve air quality as a step toward environmental equity.

13-2

The Wilmington, Carson, West Long Beach community identified the following air quality priority areas for addressing through this plan:

- Refineries
- Ports
- Neighborhood Truck Traffic
- Oil Drilling and Production
- Railyards
- Schools and Homes

At the core of this plan are the actions to address each of these air quality priorities. Specifically, the actions aim to reduce air pollution emissions in this local community and reduce the community's exposure to air pollution. This is accomplished through targeted actions using many complementary strategies, including developing and enforcing regulations, providing incentives to accelerate the adoption of cleaner technologies, and conducting outreach to provide useful information to support the public in making informed choices. Additionally, air monitoring strategies will be used to help provide critical information to help guide investigations or provide public information. Collaborative efforts with other agencies, organizations, businesses, and other stakeholders will amplify the impact of these actions. While many of the actions will only be conducted during the time frame of this plan, there are also many actions (such as regulation, ongoing enforcement activities, and certain incentive programs) that will be ongoing activities conducted by the South Coast AQMD.

The vision of this plan is to bring real air quality improvements in the Wilmington, Carson, West Long Beach community, through focused efforts and community partnerships. The CSC will

ES-1

Discussion Draft, version 060719



continue to be engaged throughout the process of implementing the CERP and tracking its progress, and will work closely with South Coast AQMD staff to ensure a continuing dialog.

#### The Reader's Guide to the CERP

The opening chapters provide background information about the AB 617 program and timeline (Chapter 1), the CSC process and community engagement (Chapter 2), and information about the air pollution sources in the community (Chapter 3).

Next, information about past and ongoing enforcement activities conducted by both the South Coast AQMD and the California Air Resources Board (CARB) enforcement staff are described in Chapter 4.

The core of the plan are the actions described in Chapter 5 – Actions to Reduce Community Air Pollution. This chapter is organized by air quality priority area, and the ideas addressing each one are presented in the CERP action templates. Within each CERP action, the entities involved in implementing that action are listed alongside their specific roles. The timeframe and goals of the actions are also described. The CERP actions are numbered in the order in which they are presented in this document. Chapter 5 also includes a summary of the analysis of whether California Environmental Quality Act (CEQA) requirements are needed based on the proposed actions within this plan.

Finally, a summary of the air monitoring approach is included as Chapter 6, but these efforts are described in much greater detail in the Community Air Monitoring Plan (CAMP)<sup>1</sup>, which serves as the sister document to the CERP. The actions described in Chapter 5 include specific air monitoring activities, as they relate to other specific actions in the CERP. The CAMP describes the overall air monitoring approach to address the community air quality priorities. Findings from air monitoring will help to evaluate next steps, and South Coast AQMD staff will work with the CSC to review findings and make necessary adjustments.

The Appendix to the CERP will include additional reference material related to the CERP content.

13-2  
Cont.

<sup>1</sup> Community Air Monitoring Plan for Wilmington, Carson, West Long Beach: [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlw\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/wcwlw_camp.pdf?sfvrsn=6)



## Comment Letter #13

### Chapter 4: Enforcement Plan

#### Chapter 4: Enforcement Plan

##### Introduction

This chapter describes the enforcement history and overall approach to enforcement by the South Coast AQMD and the California Air Resources Board (CARB). In addition, the Community Emissions Reduction Plan (CERP) includes focused enforcement actions, which are described within Chapter 5. It is important that enforcement actions are part of the overall AB 617 program actions, which enables the program to be more effective in addressing this community's air quality priorities.

##### Chapter 4 Highlights

- From 2016 to 2018, CARB has conducted over 2,200 inspections and South Coast AQMD conducted approximately 800 inspections and responded to approximately 2,600 complaints in the Wilmington, Carson, West Long Beach community.
- Both CARB and South Coast AQMD have designed their programs to most effectively address sources within their respective jurisdictions.
- An enforcement approach that utilizes specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to higher compliance rates and further emission reductions.

13-2  
Cont.

##### Overview of Enforcement Program Purpose and Jurisdiction

The primary goal of enforcement activities is for regulated parties to achieve compliance with air quality rules and regulations, and to protect public health. Part of this process involves consistently identifying and resolving violations, thereby ensuring a level playing field for all regulated entities and preventing unfair advantages for violators.

Both CARB and South Coast AQMD regulate and enforce air pollution regulations. Both agencies have the right to conduct inspections of air pollution sources, and the right to issue violations that can lead to penalties.<sup>1</sup>

An air pollution source can be a specific piece of equipment, a business, a government agency, or any other entity that creates air pollution. CARB is primarily responsible for enforcement of trucks, buses, and other mobile sources, while South Coast AQMD is primarily responsible for enforcement on facilities (i.e. stationary sources).<sup>2</sup> Table 4-1 provides an overview of the agencies' regulatory authorities.

<sup>1</sup> More information about penalties is provided in Appendix.

<sup>2</sup> In some cases, CARB may have agreements that give local air districts delegated authority to enforce a particular CARB

Table 4-1. Overview of regulatory authority for South Coast AQMD and CARB

Air Pollution Source Category	Examples	Main Regulatory Agency
Mobile sources	Trucks, buses, ships, boats, cargo handling equipment	CARB
Stationary sources	Refineries, power plants, oil and gas facilities, manufacturing plants; indirect sources	South Coast AQMD
Area-wide sources	Paint used on buildings, dust	South Coast AQMD
Sources of greenhouse gases	Methane and volatile organic compound emissions from facilities	CARB and South Coast AQMD

### Enforcement History

Over the years, both CARB and South Coast AQMD enforcement staff have had a significant presence in the community of Wilmington, Carson, and West Long Beach (WCWLB). This section provides the 3-year enforcement history for each agency in this community.

### South Coast AQMD Enforcement History in this Community

South Coast AQMD's enforcement presence includes many different compliance-related activities, such as investigating complaints, responding to breakdowns, and performing facility inspections.

Responding to complaints is a crucial part of South Coast AQMD's enforcement program. By taking complaints directly from members of the public, inspectors can focus their efforts to identify and address air pollution problems that matter to the community. South Coast AQMD's enforcement team gives priority to complaints and attempts to respond to every air quality complaint received. The process of responding to a complaint can be unique for each instance, depending on factors such as whether the air quality concern is ongoing, the type of source, the time of day, and the number of complaints for that air quality concern. For example, South Coast AQMD responds to off hour complaints based on the number of complaints that are received for a particular air quality concern. Figure 4-1 shows the number and types of complaints received by South Coast AQMD in this community, for the time period 2016-2018. The large number of complaints in the WCWLB community is due to the large number of air pollution sources – these include oil and gas production sites, diesel truck traffic, and refineries.<sup>3</sup>

<sup>3</sup> Complaints referenced are from WCWLB and the surrounding community.

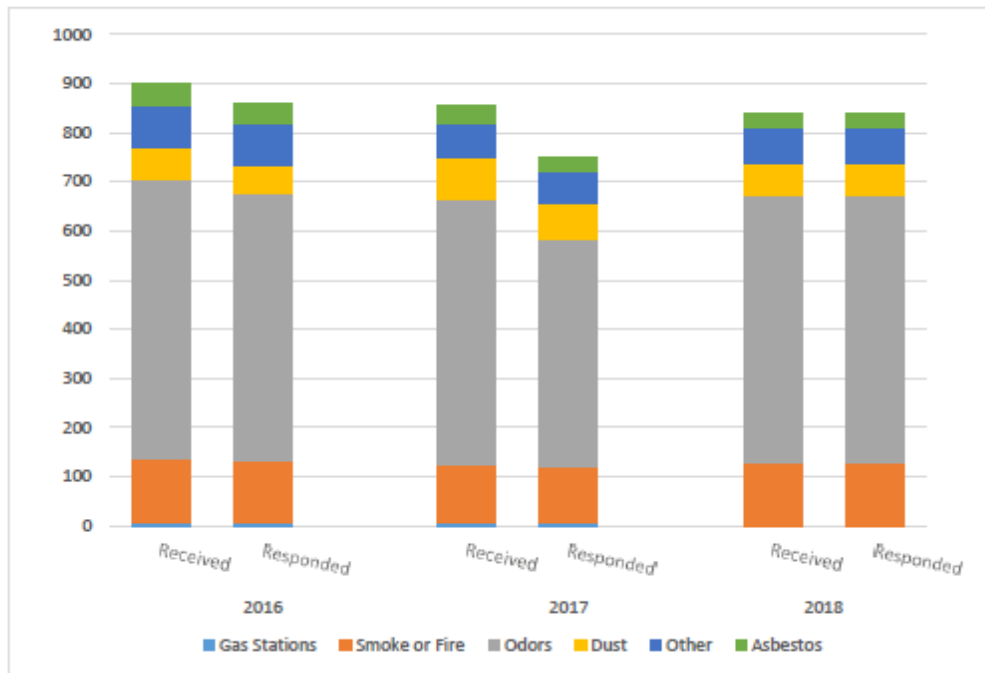


Figure 4-1. Number of complaints (by type) in the Wilmington, Carson, West Long Beach community.

Additionally, South Coast AQMD's enforcement staff perform inspection activities at facilities and other air pollution sources. Those activities can include onsite inspections for permitted and non-permitted equipment, leaks, and compliance with rules, as well as surveillance activities in the community, such as to trace the source of an odor. As of May 2019, South Coast AQMD has approximately 940 permitted facilities in this community and conducted approximately 800 facility inspections from 2016 to 2018. A list of these facilities is available in Appendix X.

Enforcement actions typically involve issuing one of two types of notices:

- *Notice to Comply (NC)* – requiring a facility to quickly correct a minor violation or to provide specified records
- *Notice of Violation (NOV)* – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution.

13-2  
Cont.

Between 2016 and 2018, South Coast AQMD has issued 214 NOV's in the Wilmington, Carson, West Long Beach community. Figure 4-2 shows the number of NCs and NOV's in this community during the time period 2016-2018.

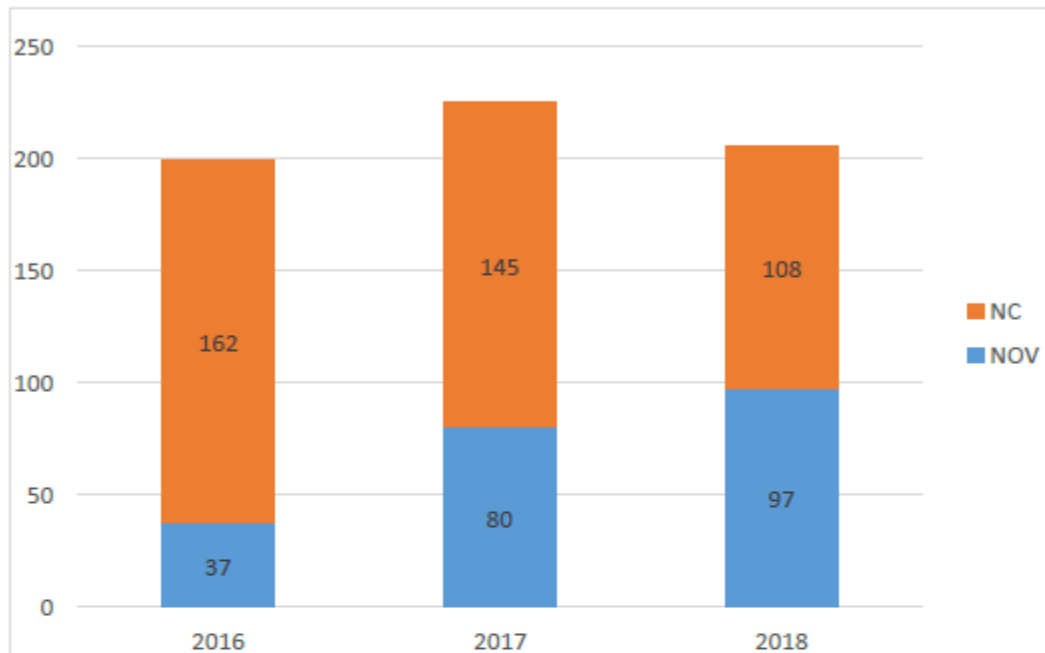


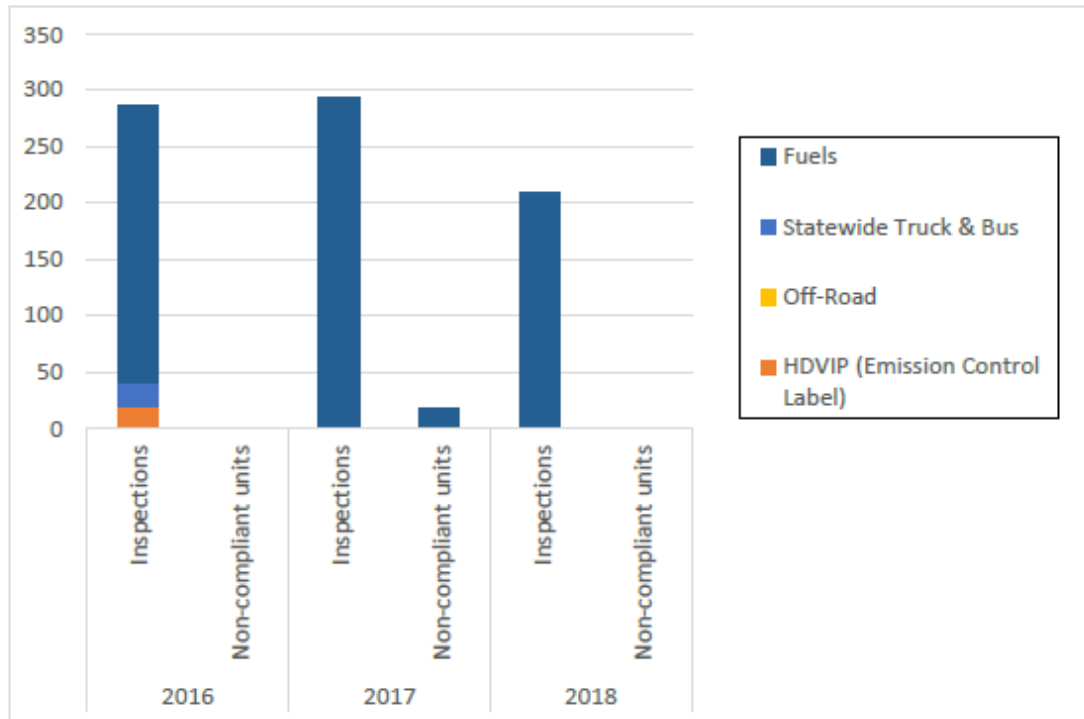
Figure 4-2. Number of Notices to Comply (NCs) and Notices of Violation (NOVs) issued in the Wilmington, Carson, West Long Beach community

#### CARB Enforcement History in this Community

CARB's enforcement process is two-pronged, including conducting field inspections and fleet-wide audits. For field inspections, the focus has been on enforcing heavy-duty diesel vehicle (HDDV) regulations, such as the statewide truck and bus rule, off-road rule, and the heavy-duty vehicle inspection program (HDVIP); at the refineries and fueling stations enforcing fuel formulation regulations; and in the ports enforcing regulations related to shore power, ocean-going vessels, commercial harbor craft and cargo handling equipment. As Figures 4-3 and 4-4 show, of the vehicles inspected, fuels tested, and marine enforcement conducted at the Ports of Los Angeles and Long Beach, compliance with CARB's regulations has been high. CARB's enforcement has been focused on fuels and port regulations in this area with over 700 fuel inspections and almost 1,450 marine-related inspections in the community in the past three years.

For fleet-wide audits, generally fewer heavy-duty vehicle enforcement inspections have occurred in the area during this time-frame, however beginning in 2018 CARB added the Streamlined Truck Enforcement Program (STEP) to enhance its ability to enforce the Statewide Truck and Bus regulation.

Between January 2018 and May 2019, 286 fleets were audited in WCWLB. A total of 859 vehicles were part of this audit with California Department of Motor Vehicles (DMV) registration holds placed on 389 of those vehicles. As of May 2019, 63 of those vehicles audited have been brought into compliance. For some of CARB's regulations, enforcement staff have not yet conducted many enforcement activities on the issues that concern the community, however, CARB's enforcement efforts are being enhanced in this community to address community concerns.



13-2  
Cont.

Figure 4-3. CARB Heavy-duty Diesel Vehicle and Fuels Enforcement History 2016 – 2018 in the Wilmington, Carson, and West Long Beach Community.

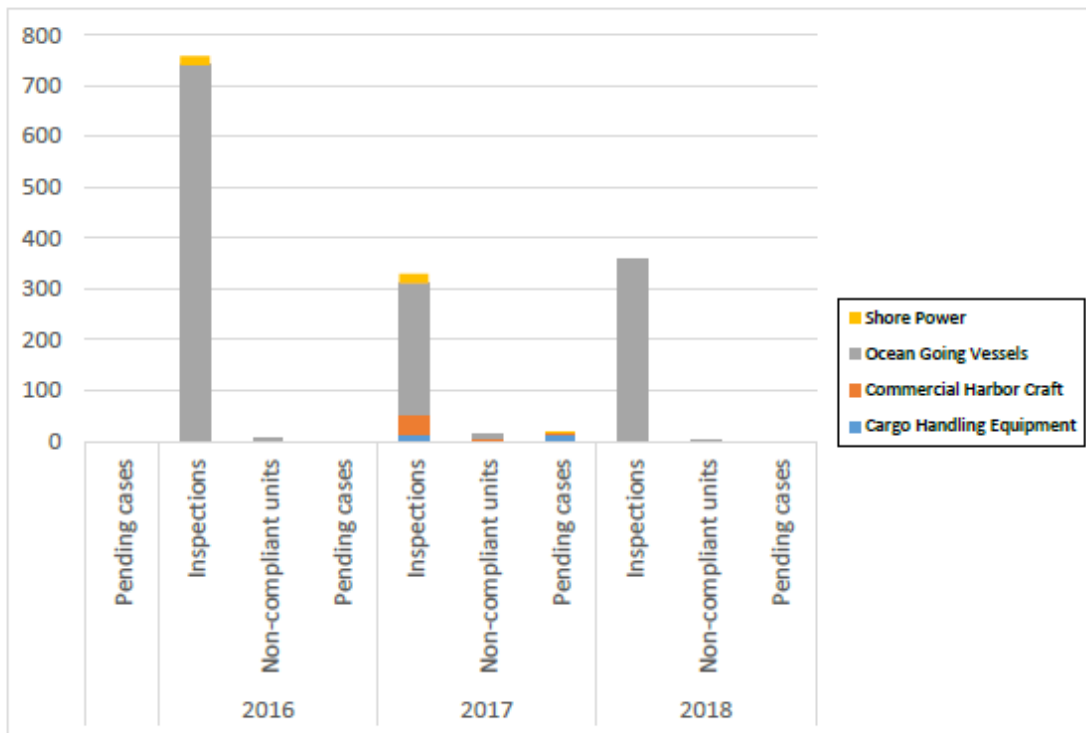


Figure 4-4. CARB Marine Enforcement History 2016 – 2018 in the Wilmington, Carson, West Long Beach community.

In summary, from 2016 to 2018, both CARB and South Coast AQMD have conducted a range of compliance activities in the community. This includes more than 2200 inspections from CARB enforcement staff related to port vessels and equipment, heavy-duty vehicles, and fuels. Of those inspections, the vast majority were in compliance, with less than 50 not in compliance and 19 cases pending. South Coast AQMD enforcement staff conducted approximately 800 facility inspections, responded to approximately 2,600 complaints, and conducted numerous other investigatory activities in WCWLB. South Coast AQMD issued 214 Notices of Violation. A compliance rate may not be an effective predictor of overall compliance within the area, since a portion of compliance actions are against the same facilities.

Due to the large number of potential air pollution sources in this community, an enforcement approach by both agencies that fully utilizes their specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further reductions in non-compliance and emission reductions. Both South Coast AQMD and CARB will continue to work closely with the CSC to identify and investigate air quality issues within the community.

13-2  
Cont.

## Enforcement Approach

### Program Structures

Both CARB and South Coast AQMD have designed their programs to most effectively address sources under their respective jurisdictions.

#### South Coast AQMD's Office of Compliance and Enforcement

The structure of this group is based on teams that focus on source type, and inspectors are also assigned by geographic region. The organizational structure based on source type enables inspectors to become technical specialists on the air pollution regulations that apply to the types of industries or facilities assigned to that team. In addition, assigning inspectors by geographic area improves the agency's ability to respond to complaints or compliance issues in that area.

For example, gas stations have underground gasoline storage tanks, which are inspected by the Retail Service Station Team. This team has the specialized knowledge and procedures to be able to cover the thousands of gas stations across the district. Refineries also have underground gasoline storage tanks, but these are inspected by the Refinery Team, which has a full time employee assigned to inspect each refinery. The inspectors in the Refinery team specialize in enforcing regulations that apply to all refinery equipment, including the Alkylation or Crude Units, underground gasoline storage tanks, and many other pieces of equipment. However, certain facilities may be inspected by inspectors from multiple teams. This ensures that the approach is focused enough to address a variety of sources, yet flexible enough to handle complex facilities.

For most teams, the inspectors conduct regular inspections at their assigned facilities or within their assigned geographic regions. The frequency of regular inspections depends on the type of facility. For example, a chrome plating facility is inspected more frequently than an auto body shop. It is important to consider that there are approximately 110 chrome plating facilities in the South Coast Air Basin, compared to over 1,500 auto body facilities in the region. When considering limited resources, priority for inspections is typically given to higher risk pollution sources – that is, those facilities that emit the more toxic air pollutants and/or are close to schools, hospitals, and residential areas.

The following teams operate in the WCWLB community:

13-2  
Cont.



Chapter 4: Enforcement Plan



13-2  
Cont.

Figure 4-5. South Coast AQMD Enforcement Program teams

\*RECLAIM, for REgional Clean Air Incentives Market, is a program that requires participating facilities to manage their total nitrogen oxides (NOx) and/or sulfur oxides (SOx) emissions (which reduce over time) by adding pollution controls, changing their equipment or processes, or buying credits from other RECLAIM facilities that have lower emissions than their cap. The program is currently being transitioned to a command-and-control regulatory program



#### CARB Enforcement's Program Structure

Through targeted enforcement or public complaints, CARB identifies a potential violation. CARB then contacts the responsible party to explain the enforcement process and to obtain additional information. Enforcement staff evaluates the information collected and works with CARB's Legal Office to determine violations of statutory and/or regulatory requirements. When violations are substantiated, CARB can take enforcement action, at which point the responsible party is provided an opportunity to discuss the violation.

This outcome includes taking appropriate enforcement action within the scope of CARB's enforcement authority, which may include issuing cease and desist orders, Notices of Violation, mitigation, or pollution prevention actions. Cases can be resolved via civil and criminal litigation. In lieu of litigation, cases typically are settled through CARB's mutual settlement program. Penalties are sought that provide adequate deterrence to future non-compliance or public nuisance.

For example, in 2017, settlement agreements were made with Union Pacific Railroad Company (UP) and BNSF Railway regarding drayage truck regulations. Under CARB's Drayage Truck Regulation, California ports and Class I rail terminals must report noncompliant heavy-duty diesel trucks entering their facilities. For years, BNSF and UP failed to accurately report to CARB information on noncompliant trucks entering their facilities, which hampered CARB's ability to enforce the regulatory requirements. The settlements resulted in UP turning away noncompliant trucks from their facilities and BNSF accurately reporting truck data to CARB for enforcement, resulting in reduced diesel emissions from heavy-duty diesel trucks around both UP and BNSF facilities.<sup>8</sup>

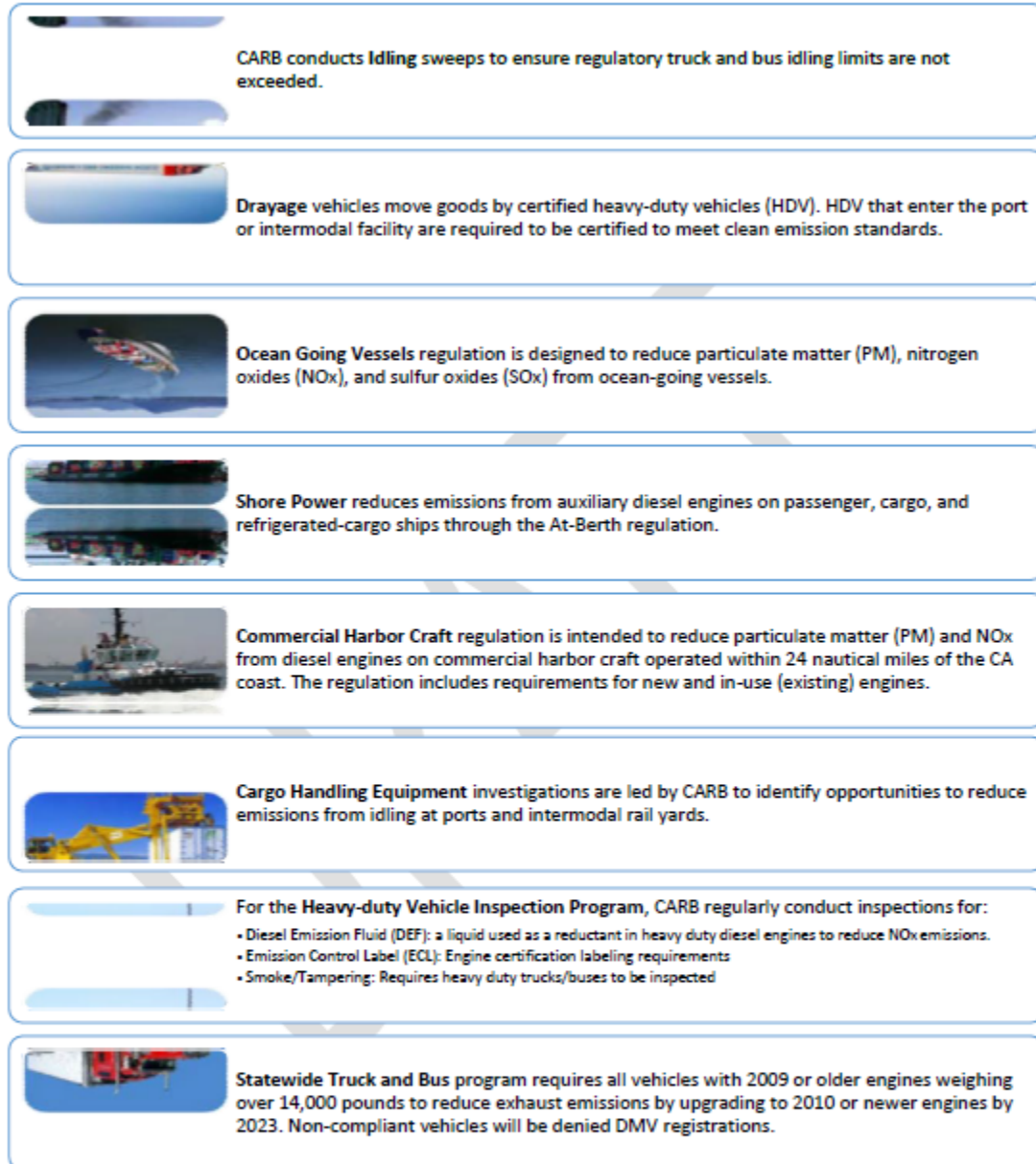
During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP)<sup>4</sup>. Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the WCWLB community through the proposal process.<sup>9</sup> CARB has over 50 enforcement programs that focus on specific source types. A few of the programs that are relevant to enforcement activity in WCWLB community are:

13-2  
Cont.

<sup>4</sup> Other examples of enforcement settlement cases can be found in CARB's Annual Enforcement Reports (<https://www.arb.ca.gov/enf/reports/reports.htm>).

Chapter 4: Enforcement Plan

CARB Enforcement's Program Structure



13-2  
Cont.

Figure 4-6. CARB Enforcement Program teams relevant to the WCWLB community

### How the Public Helps Reduce Air Pollution

Members of the public play an important role in communicating air quality concerns to both South Coast AQMD and CARB. The complaint process helps both agencies identify issues that are directly affecting the WCWL community. The most effective way to contact the agency is through the complaint hotlines. In addition to South Coast AQMD's mobile application, both agencies can be contacted by phone and online:

<p><b>CARB - Mobile Sources</b>  <b>Automobiles, Trucks, Off-road Equipment,  or other Vehicles</b>  Phone: 1-800-END-SMOG  Online: <a href="http://calepa.ca.gov/enforcement/complaints">calepa.ca.gov/enforcement/complaints</a></p>	<p><b>South Coast AQMD - Stationary Sources</b>  <b>Odors, Smoke, Dust, or other Air  Contaminants</b>  Phone: 1-800-CUT-SMOG  Online:  <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></p>
--	---

Both CARB and South Coast AQMD value input from those who live and work every day in the community, and communicating air quality issues directly to the agencies with the information above is the best way to address an air pollution concern. Letting us know of an issue when it is occurring rather than after the fact really helps our ability to find the source of the problem.

13-2  
Cont.

An effective complaint should contain information with specific details. This information helps inspectors conduct a thorough investigation and take appropriate enforcement action. The following information is valuable to a thorough complaint investigation:

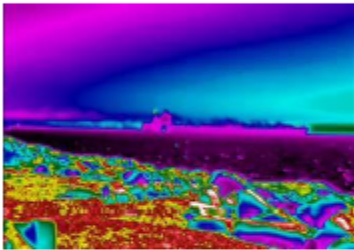
- Type of air quality concern (odor, smoke, dust, etc.)
  - o Odors: description of odor
  - o Smoke: color of smoke; does the smoke disappear or hang in the air?
  - o Dust: type of dust
- Location of air pollution concern
- Name or address of potential source
- Time of day that the air quality issue began, and is the concern still occurring?
- Has the concern occurred before, and do other people in your community experience it as well?
- Contact information for the person reporting the complaint<sup>5</sup>

<sup>5</sup> Although anonymous complaints are accepted, staff have found that having contact information helps with getting additional information to help with the investigation

## Technology

Both South Coast AQMD and CARB enforcement staff have embraced the use of technology as a means for more efficient and effective inspections. South Coast AQMD inspectors have access to advanced instruments to help identify air pollution issues in real-time. The following portable instruments are available to inspectors:

*Toxic Vapor Analyzers (TVA):* Inspectors can use TVAs to provide information about the level of certain gases in a specific area. This includes methane and volatile organic compounds (VOCs), which are emitted by petroleum sources and other types of sources.



*Infrared Cameras:* Inspectors can use specialized infrared cameras to view emissions of gases (including methane and VOCs) that would otherwise be invisible to the naked eye. This equipment enables inspectors to scan areas for emissions and quickly check for any large leaks at a facility.

*X-Ray Fluorescence (XRF):* Inspectors can use this handheld instrument to identify the types of chemicals that are on a surface or in a dust pile. This tool helps identify potential pollutants that are particles. For example, an XRF can be used to scan surfaces at a facility to identify which specific toxic metals may be deposited in that location, and which locations that have the highest levels of those toxic metals.



*H<sub>2</sub>S Analyzers (Jerome Meters):* Inspectors can use this handheld instrument to measure hydrogen sulfide gas levels in the air. This information can be used to identify a potential source of rotten egg type odors.

Figure 4-7. Portable instruments used by South Coast AQMD inspectors in the field

In addition, inspectors are trained on how to collect field samples, including air samples, liquid samples, or bulk material samples. These samples can then be provided to the South Coast AQMD laboratory or contract laboratories for analysis. The results of these analyses can be used as evidence to support investigations and/or Notices of Violation issued to air pollution sources.

South Coast AQMD regulates over 25,000 facilities, receives approximately 10,000 public complaints per year, and operates a vast air quality monitoring network; and CARB regulates mobile sources throughout the state. Analyzing the data that results from these efforts can provide insight into the trends and sources of air pollution as well as new enforcement opportunities. Both agencies use information technology to enhance the ability to conduct investigations and enforce regulations. As an example, for CARB's truck fleet enforcement program, the traditional approach was to inspect several thousand trucks annually through fleet-based inspections. Starting in January 2018, CARB began the Streamlined Truck Enforcement Process (STEP), and is now able to conduct 20,000 to 25,000 inspections per year through the use of a data-driven approach, noncompliance letters, and a scheduled settlement process. South Coast AQMD's investigation of crude oil tankers is another example of using information technology in enforcement activities. Inspectors used mapping software, weather data, and ship databases to help identify an oil tanker as a potential source of emissions. The oil tanker was later issued a Notice of Violation when it berthed at a port near this community. These multi-faceted approaches can be applied to address other air pollution concerns in WCWLB. Providing transparent access to the information that both agencies possess will lead to a stronger partnership with the community.

13-2  
Cont.

### The Interagency Approach

CARB and South Coast AQMD are committed to working with other agencies on joint initiatives that will directly result in cleaner air. The combined resources, expertise, and legal authorities of different agencies can create a well-rounded approach to the regulatory process that leverages their respective strengths to address issues that cumulatively impact public health. For example, the Los Angeles County Oil and Gas Strike Team is a group of multiple agencies that conducted crude oil production (oil well) inspections throughout Los Angeles County. Representatives from multiple agencies conducted inspections together, covering not only compliance with air, but also water, public health, and code enforcement. Both South Coast AQMD and CARB have demonstrated experience working in close collaboration with other regulatory agencies, cities and counties, public health agencies, and local police and fire departments to conduct investigations and provide public information about local air pollution sources.



13-2  
Cont.

Figure 4-8. Examples of agencies that routinely collaborate with South Coast AQMD and CARB

CARB partners with local agencies to create memoranda of understanding (MOUs), such as an agreement with South Coast AQMD to enforce CARB's greenhouse gas standards at certain facilities. In addition, CARB has already established partnerships with California DMV working on implementing registration holds for non-compliant trucks and buses, California Highway Patrol (CHP) to conduct roadside inspections, and other state and regional agencies to ensure we are supporting each other's enforcement efforts.

The compliance process seeks to ensure that all rules and regulations are followed through a fair and robust enforcement program, resulting in reduced air pollution emissions. Adaptability is crucial, whether in the program's overall, or in day-to-day, operations, to ensure that community concerns are addressed quickly and that enforcement action is taken when violations are identified. Both CARB and South Coast AQMD enforcement teams will continue to search for innovative strategies, lead in community transparency, and take swift action for non-compliance.



## Community Requests Regarding Enforcement

Communities have asked for complete transparency regarding enforcement activities and have identified the following concerns and requests:

- |  |      |
|--|------|
| <ul style="list-style-type: none"> <li>• CSC members and the public have discovered that not all air pollution sources are regularly inspected and in some cases agencies are not even aware of these sources. CSC members and the public have asked SCAQMD and CARB to inspect all community identified Air Polluting Industry Sources and that they be scheduled for regular inspections: this would include as a minimum: container storage yards, chassis storage yards, truck storage yards, truck repair and maintenance yards, railyards, container fumigation facilities operating oil well sites, gas stations, abandoned oil well sites, landfills and brownfields.</li> </ul> | 13-3 |
| <ul style="list-style-type: none"> <li>• CSC members and the public have asked SCAQMD and CARB to publish repeat offender and trends information so as to determine if enforcement actions being taken have been effective in stopping and reducing Notice to Comply (NC) – requiring a facility to quickly correct a minor violation or to provide specified records, Notice of Violation (NOV) – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution and Fines</li> </ul>  | 13-4 |
| <ul style="list-style-type: none"> <li>• CSC members and the public have asked SCAQMD and CARB to issue Cease and Desist Orders to all air polluting companies who exceed three NOV's, three NOC's, three Fines and Suspend all Permits. The Public has seen governmental regulatory agency favoritism toward the Oil Refining Industries in allowing them to be significant repeat offenders.</li> </ul>  | 13-5 |
| <ul style="list-style-type: none"> <li>• CSC members and the public have asked SCAQMD and CARB as part of their enforcement action to mandate that parts, equipment and systems be replaced that have exceeded their manufacturer's warranty in order to prevent mechanical breakdowns leading to violations. It is industries practice to wait until something fails to replace it.</li> </ul>  | 13-6 |
| <ul style="list-style-type: none"> <li>• CSC members and the public have asked SCAQMD and CARB to include community organization air quality monitoring to support enforcement and identification of new and emerging air pollution sources.</li> </ul>  | 13-7 |

Comment Letter #13  
Coalition For A Safe Environment

AB 617 CERP Public Comments

Final

**Chapter 5a      Actions to Reduce Community Air Pollution**

**Community Air Quality Priority**

1. Community Air Quality Priority and Goal is Zero Emissions from all industry stationary and mobile sources using Zero Emission Technologies immediately.
2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years.
3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025.
4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all industry emission sources within 1 year.
5. Community Air Quality Priority is the establishment of a Public Health Baseline for EJ Communities based on a Health Impact Assessment and Public Health Survey of each community. The Public Health Baseline is needed to determine if the measures being taken have been effective in reducing air pollution and improving public health in the future.
6. Community Air Quality Priority is the reduction of public exposure from emissions from all Industry sources direct and indirect. We want a Comprehensive Inventory List by Industry Sources. To include by general major classifications and specific life threatening categories:
  - Criteria Pollutants (CP)
  - Toxic Pollutants (TP)
  - Hazardous Air Pollutants (HAPs)
  - Volatile Organic Compounds (VOCs)
  - Greenhouse Gases (GHG)
  - Particulate Matter (PM)
  - Heavy Metals (HM)
  - Polycyclic Aromatic Hydrocarbons (PAHs)
  - Unregulated Pollutants

13-8

13-9

13-10



- |   |       |
|---|-------|
| 7. The Coalition For A Safe Environment Volunteers to participate in community organization based air quality monitoring, identification of air pollution sources, the recommendation of mitigation measures and the identification of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies and Carbon Capture via Community Greenscaping to reduce public exposure. | 13-11 |
|---|-------|

**Community Request Priority for the South Coast AQMD**

- |   |       |
|---|-------|
| 1. Community Request Priority for the South Coast AQMD in cooperation with CARB to prevent all public exposure to all major classifications and specific life threatening categories of air pollution emissions.  | 13-12 |
| 2. Community Request Priority for the South Coast AQMD is to create a Comprehensive Inventory List of all air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources by chemical type and annual emission quantities. Not an abbreviated short list. From this list the Public and the CSC will prioritize which classifications and categories should be part of Phase I. | 13-13 |
| 3. Community Request Priority for the South Coast AQMD is to update the Emissions Inventories with all community identified air pollution source that are missing and for the SCAQMD to immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.   | 13-14 |
| 4. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies, identify all Industries and categories where these technologies can be applied now.   |       |
| 5. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and/or reduce to less than significant emissions from all Industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules.  | 13-15 |
| 6. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.   | 13-16 |
| 7. Community Request Priority for the South Coast AQMD to submit Port CAAP and Industry Project EIRs public comments requests supporting mandatory use of Zero Emissions Technologies, BACT, BACRT and Emissions Capture & Treatment Technologies.  | 13-17 |
| 8. Community Request Priority for the South Coast AQMD to mandate and recommend to the Port CAAP and Industry EIRs Air Purification Filtration Systems to Mitigate Air Pollution Public Health Impacts to children and the public. Our priority recommendations are:  |       |
| <ul style="list-style-type: none"> <li>• Public Schools</li> <li>• Childcare Centers</li> <li>• Public Libraries</li> </ul>   |       |

<ul style="list-style-type: none"> <li>• Indoor Recreational Centers</li> <li>• Senior Citizen Housing</li> <li>• Senior Citizen Centers</li> <li>• Hospitals</li> <li>• Residential Homes</li> </ul>	13-17 Cont.
<b>Community Recommendations for the South Coast AQMD</b>	
1. Conduct Industry bi-annual information outreach events on incentives and programs.	13-18
2. Allow Emerging Industry Technology Companies Volunteer Demonstration Projects even if there is not governmental agency grant. Open to the public.	13-19
3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public.	13-20
4. SCAQMD to include Aerial Drones to monitor all air pollution sources, routes and destinations. There are now Aerial Drones that can fly-hoover 8-24 hrs.	13-21
<b>Community Requested Information to be Included</b>	
<b>Community Air Protection Blueprint</b>	
1. APPENDIX C.	
CRITERIA FOR COMMUNITY EMISSIONS REDUCTION PROGRAMS	
The requirements for community emissions reduction programs include:	
<ul style="list-style-type: none"> <li>• Establishing a community steering committee to guide development of the program elements, including members who live, work, or own businesses in the community (e.g. community residents, small businesses, facility managers/workers, school personnel), with the majority representation from community residents.</li> <li>• Developing a strong technical foundation for understanding the sources of air pollution impacting the community.</li> <li>• Characterizing current public health data in the community related to air pollution.</li> <li>• Setting specific, quantifiable emissions reduction targets to be achieved within five years, along with annual milestones and commitments for specific compliance and technology/control technique deployment goals.</li> <li>• Identifying applicable regulatory, enforcement, incentive, and permitting strategies to implement new actions and the most stringent approaches for reducing emissions, with a focus on zero emission technologies where feasible.</li> </ul>	13-22

- Identifying needed land use and transportation strategies to implement and defining specific actions for engaging with local government agencies to actively promote these strategies.
- Developing an enforcement plan to ensure effective implementation and engagement with community members on addressing compliance issues.
- Defining specific, quantifiable metrics to track progress.

13-22  
Cont.

2.0 Table C-1 CHECKLIST FOR COMMUNITY EMISSIONS REDUCTION PROGRAM EVALUATION

## Comment Letter #13 Coalition For A Safe Environment

### AB 617 CERP Public Comments

Final

#### Chapter 5c      Ports

##### Community Air Quality Priority

- |  |       |
|--|-------|
| 1. Community Air Quality Priority is Zero Emissions from all ports, shipping, freight transportation and supporting industry vehicles and equipment sources using Zero Emission Technologies immediately.  | 13-23 |
| 2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years.  |       |
| 3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025. |       |
| 4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all emission sources within 1 year.   |       |
| 5. Community Air Quality Priority is the establishment of a Public Health Baseline for Port Communities. The Public Health Baseline is needed to determine if the measures being taken have been effective in reducing air pollution and improving public health in the future.  | 13-24 |
| 6. Community Air Quality Priority is the inclusion of all Port Petroleum Industry air pollution sources, such as ship loading and unloading terminals, storage tank facilities, port-to-landside pipelines, operating oil wells and abandoned oil wells.   | 13-25 |

##### Community Request Priority for the South Coast AQMD

- |   |       |
|---|-------|
| 1. Community Request Priority for the South Coast AQMD is to create a comprehensive inventory list of all Port air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources supporting activities, itemized by vehicle and equipment type, to include: all supporting freight transportation routes, container/Chassis/TRU Units storage yards, petroleum industry marine terminals, lift bridges & back-up generators, container fumigation facilities, container transloading facilities, etc. and all emissions by chemical type and annual emission quantities. Not an abbreviated short list. | 13-26 |
| 2. Community Request Priority for the South Coast AQMD is to update the Ports inventories with all community identified air pollution source that are missing and for the SCAQMD to   |       |

immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.	13-26 Cont.
3. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies and identify all ports, shipping and freight transportation industry vehicles and equipment where these technologies can be applied now.	13-27
4. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB At-Berth Rule stating that: <ul style="list-style-type: none"> <li>No-Ship Category such as Break Bulk Ships be exempted.</li> <li>Include all ships at At-Berth and At-Anchor</li> <li>No grants or incentives be given to any technology company that does not show evidence of owning patents or have the rights to use patented technologies.</li> </ul>	13-28
5. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB Mobile Cargo Handling Equipment Regulation supporting all CHE be Zero Emissions within 5 years. Zero Emission Hydrogen Fuel Cell Electric Battery Technology exists now to replace all most all electric engines.	13-29
6. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and reduce to less than significant emissions from all Port and Freight Transportation Industry magnet sources and off-port tidelands indirect sources supporting industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules.	13-30
7. Community Request Priority for the South Coast AQMD to submit public comments to CARB on the new CARB Commercial Harbor Craft Regulation supporting all CHC be Zero Emissions within 5 years. Zero Emission Hydrogen Fuel Cell Electric Battery Technology exists now to replace all most all electric engines.	13-31
8. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.	13-32
9. Community Request Priority for the South Coast AQMD to pay all past debt grant funds to minority owned small business technology companies who have completed their green technology demonstration or pilot projects immediately whose technology is supported by the community.	13-33
10. Community Request Priority for the South Coast AQMD to submit CAAP and Port Terminal EIR public comments requests supporting Ports mandatory expanded use of the Alameda Corridor of 10% per year for the next 5 years.	13-34
11. Community Request Priority for the South Coast AQMD to submit CAAP and Port Terminal EIR public comments requests supporting Ports mandatory expanded Terminal Lease Agreement Terms & Conditions to include supplier and subcontractor Zero Emission vehicles and equipment.	



### Community Recommendations for the South Coast AQMD

- |  |       |
|--|-------|
| 1. Conduct Port industry bi-annual information outreach events on incentives and programs.   | 13-35 |
| 2. Allow Port Industry Technology Companies Volunteer Demonstration Projects even if there is not governmental agency grant. Open to the public.   | 13-36 |
| 3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public. | 13-37 |
| 4. SCAQMD to include Aerial Drones to monitor terminal and ships emissions. There are now Aerial Drones that can fly-hoover 8-24 hrs.  | 13-38 |

Comment Letter #13  
Coalition For A Safe Environment

AB 617 CERP Public Comments

Final

**Chapter 5d      Neighborhood Truck Traffic**

**Community Air Quality Priority**

- |  |       |
|--|-------|
| 1. Community Air Quality Priority is Zero Emissions from all freight transportation Trucks and supporting industry vehicles and equipment sources using Zero Emission Technologies immediately.  | 13-39 |
| 2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years.  |       |
| 3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025.   |       |
| 4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all Truck emission sources within 1 year.   |       |
| 5. Community Air Quality Priority is the establishment of a Public Health Baseline for Port EJ Communities.  | 13-40 |
| 6. Community Air Quality Priority is the inclusion of all Port Truck Industry air pollution sources, such as truck routes, emerging truck routes, truck storage yards, truck repair & maintenance garages and yards, truck diesel fueling stations and off-port property truck destinations such as container storage yards, chassis storage yards, container fumigation facilities, transloading facilities, warehouses and distribution centers. | 13-41 |

**Community Request Priority for the South Coast AQMD**

- |  |       |
|--|-------|
| 1. Community Request Priority for the South Coast AQMD in cooperation with CARB and Port Police to prevent any illegal community and residential truck traffic and idling.   | 13-42 |
| 2. Community Request Priority for the South Coast AQMD is to create a comprehensive inventory list of all Port Truck Routes and Destination air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources supporting activities, itemized by vehicle and equipment type, to include: all supporting freight transportation routes, container/Chassis/TRU Units storage yards, petroleum industry marine terminals, lift bridges & back-up generators, container fumigation facilities, container transloading facilities, etc. and all emissions by chemical type and annual emission quantities. Not an abbreviated short list. | 13-43 |

3. Community Request Priority for the South Coast AQMD is to update the Ports Truck emission inventories with all community identified air pollution source that are missing and for the SCAQMD to immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.	13-43 Cont.
4. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies and identify all Trucks, freight transportation industry supporting vehicles and equipment where these technologies can be applied now.	13-44
5. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and reduce to less than significant emissions from all Port and Freight Transportation Industry Truck magnet sources and off-port tidelands indirect sources supporting industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules.	13-45
6. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.	13-46
7. Community Request Priority for the South Coast AQMD to submit CAAP and Port Terminal EIR public comments requests supporting Ports mandatory expanded use of the Alameda Corridor of 10% per year for the next 5 years to lower community truck traffic.	13-47
<b>Community Recommendations for the South Coast AQMD</b>	
1. Conduct Port Truck Industry bi-annual information outreach events on incentives and programs.	13-48
2. Allow Port Truck Industry Technology Companies Volunteer Demonstration Projects even if there is not governmental agency grant. Open to the public.	13-49
3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public.	13-50
4. SCAQMD to include Aerial Drones to monitor truck routes and destinations. There are now Aerial Drones that can fly-hoover 8-24 hrs.	13-51



**Comment Letter #13**  
**Coalition For A Safe Environment**

**AB 617 CERP Public Comments**

Final Update

**Chapter 5e Oil Drilling & Production**

**Community Air Quality Priority**

1. Community Air Quality Priority is Zero Emissions from all Port Tidelands Petroleum Industry and Off-Port Tidelands Petroleum Industry vehicles, equipment, product processing systems, boilers, heaters, wet scrubber, catalytic crackers, storage tanks, oil well emission sources using Zero Emission Technologies immediately. 13-52
2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years.
3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025.
4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all Petroleum Industry emission sources within 1 year.
5. Community Air Quality Priority is the establishment of a Public Health Baseline for EJ Communities that are fenceline and near within 5 miles of all Petroleum Industry air pollution sources. The Public Health Baseline is needed to determine if the measures being taken have been effective in reducing air pollution and improving public health in the future. 13-53
6. Community Air Quality Priority is the inclusion of all Petroleum Industry air pollution sources inventories, such as ship loading and unloading terminals, product system processing & manufacturing, product storage tank facilities, product storage barns, port-to-landside pipelines, truck product transport, train product transport, conveyor system product transport, operating oil wells, abandoned oil wells and gas-fueling stations. 13-54

**Community Request Priority for the South Coast AQMD**

1. Community Request Priority for the South Coast AQMD is to create a comprehensive inventory list of all Petroleum Industry air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources supporting activities, itemized by vehicle and equipment type, back-up generators, and all emissions by chemical type and annual emission quantities. Not an abbreviated short list. 13-55

2. Community Request Priority for the South Coast AQMD is to update the Petroleum Industry inventories with all community identified air pollution sources that are missing and for the SCAQMD to immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.	13-55 Cont.
3. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies and identify all Petroleum Industry sources where these technologies can be applied now.	13-56
4. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and reduce to less than significant emissions from all Petroleum Industry sources and supporting industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules.	13-57
5. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration Projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.	13-58
6. Community Request Priority for the South Coast AQMD to allow community non-profit organizations experienced with air quality monitoring experience to participate in Fenceline Air Quality Monitoring of Petroleum Industry emission sources where feasible. Such as oil well sites fenceline Air Quality Spot Inspections which identify fugitive emissions in which the SCAQMD can follow-up with more precise equipment.	13-59
7. Community Request Priority for the South Coast AQMD to request from CARB that Wilmington, Carson, West Long Beach communities be added to the Study of Neighborhood Air near Petroleum Sources (SNAPS) program.	13-60
8. Community Request Priority for the South Coast AQMD to request from CARB, DOGGR and DTSC the remediation of all abandoned/orphaned oil wells sites with priority given to oil well sites located near public schools, libraries, parks, recreational facilities and in residential areas.	13-61
9. Community Request Priority for the South Coast AQMD to initiate legislative action to change the odor nuisance law to state inhalation exposure to a toxic chemical.	13-62
10. Community Request Priority for the South Coast AQMD to support EJ Community request to the Los Angeles County Dept. of Public Health and/or CARB AB 617 Community Grants to conduct a CASPER Public Health Survey in Wilmington in 2020 than Carson and Long Beach in 2021-2022 in order to establish EJ Communities Public Health Baseline.	13-63
11. Community Request Priority for the South Coast AQMD to require in the Title V Permits that all oil refineries and specialty refiners have emergency back-up power systems to prevent power outages and flaring. We further request thus use of Renewable Energy Sources and Hydrogen Fuel Cell Electric Battery Storage Systems.	13-64
12. Community Request Priority for the South Coast AQMD to require additional low-cost safety equipment such as gas detectors and pressure gages in the Title V Permits that all	

oil refineries, specialty refiners, oil, gas and fuel distribution centers and pipelines to prevent explosions and leaks.

13. Community Request Priority for the South Coast AQMD to require On-Site Air Quality Monitoring, Public Notification and a Public Meeting when oil companies conduct oil drilling or depth expansion activities at oil well sites located near public schools, libraries, parks, recreational facilities and in residential areas.

13-64  
Cont.

#### Community Recommendations for the South Coast AQMD

1. Conduct Petroleum Industry bi-annual information outreach events on incentives and programs.
2. Allow Petroleum Industry Technology Companies Volunteer Demonstration Projects even if there is not a governmental agency grant. Open to the public.
3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public.
4. SCAQMD to include Aerial Drones to monitor all Petroleum Industry locations emissions. There are now Aerial Drones that can fly-hoover 8-24 hrs.

13-65

13-66

13-67

13-68

## Comment Letter #13

### Coalition For A Safe Environment

#### AB 617 CERP Public Comments

Final

### Chapter 5f Railyards

#### Community Air Quality Priority

- |   |       |
|---|-------|
| 1. Community Air Quality Priority is Zero Emissions from all Railroad Industry Port Tidelands and Off-Port Tidelands trains, vehicles, equipment, fuel storage tanks, fuel tank trucks, cargo handling equipment emission sources using Zero Emission Technologies immediately.   | 13-69 |
| 2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission trains, vehicles, equipment fuel storage tanks, fuel tank trucks, cargo handling equipment Zero Emissions Technology as soon as possible within 5-10 years.  | 13-69 |
| 3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025.  | 13-69 |
| 4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all Railroad Industry emission sources within 1 year.  | 13-69 |
| 5. Community Air Quality Priority is the establishment of a Public Health Baseline for EJ Communities that are fenceline and near within 5 miles of all Railroad Industry air pollution sources. The Public Health Baseline is needed to determine if the measures being taken have been effective in reducing air pollution and improving public health in the future. | 13-70 |
| 6. Community Air Quality Priority is the inclusion of all Railroad Industry air pollution sources inventories, such as ship loading and unloading terminals, railyards, trains, vehicles, equipment, fuel storage tanks, fuel tank trucks, cargo handling equipment.  | 13-71 |

#### Community Request Priority for the South Coast AQMD

- |  |       |
|--|-------|
| 1. Community Request Priority for the South Coast AQMD is to create a comprehensive inventory list of all Railroad Industry air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources including railyards, maintenance yards, itemized by train category, vehicle and equipment type, back-up generators, fuel storage tanks, fuel tank trucks, cargo handling equipment and all emissions by chemical type and annual emission quantities. Not an abbreviated short list. | 13-72 |
| 2. Community Request Priority for the South Coast AQMD is to update the Railroad Industry Inventories with all community identified air pollution sources that are missing and for the   | 13-72 |



SCAQMD to immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.	13-72 Cont.
3. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies and identify all Railroad Industry sources where these technologies can be applied now.	13-73
4. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and reduce to less than significant emissions from all Railroad Industry sources and supporting industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules.	13-74
5. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration Projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies.	13-75
6. Community Request Priority for the South Coast AQMD to allow community non-profit organizations experienced with air quality monitoring experience to participate in Fenceline Air Quality Monitoring of Railroad Industry emission sources where feasible.	13-76
7. Community Request Priority for the South Coast AQMD to support EJ Community request to the Los Angeles County Dept. of Public Health and/or CARB AB 617 Community Grants to conduct a CASPER Public Health Survey in Wilmington in 2020 than Carson and Long Beach in 2021-2022 in order to establish EJ Communities Public Health Baseline.	13-77
8. Community Request Priority for the South Coast AQMD and to coordinate with DTSC to require Railroad Yards to notify the SCAQMD and DTSC of their intention to store temporarily or permanently on-site any potential contaminated soil or materials. BNSF Watson Railyard regularly stores soil and contaminated soil, one time illegally in cooperation with the City of Los Angeles via a permission letter bypassing the public hearing and notification procedures.	13-78
9. Community Request Priority for the South Coast AQMD to monitor train times, idling and emissions at crossing signals near EJ Residential areas.	
<b>Community Recommendations for the South Coast AQMD</b>	
1. Conduct Railroad Industry bi-annual information outreach events on incentives and programs.	13-79
2. Allow Railroad Industry Technology Companies Volunteer Demonstration Projects even if there is not a governmental agency grant. Open to the public.	13-80
3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public.	13-81

- |   |       |
|---|-------|
| 4. SCAQMD to include Aerial Drones to monitor all Railroad Industry locations emissions.<br>There are now Aerial Drones that can fly-hoover 8-24 hrs. | 13-82 |
|---|-------|

Comment Letter #13  
Coalition For A Safe Environment

AB 617 CERP Public Comments

Final

**Chapter 5g      Schools, Childcare Centers & Homes - Exposure Reduction**

**Community Air Quality Priority**

- |  |       |
|--|-------|
| 1. Community Air Quality Priority is Zero Emissions from all industry stationary and mobile sources using Zero Emission Technologies immediately.  | 13-83 |
| 2. Community Air Quality Priority is making all Non-Zero Emission Sources including Near-Zero Emission Vehicles and Equipment Zero Emissions Technology as soon as possible within 5 years.  | 13-83 |
| 3. Community Air Quality Priority is requiring all available BACT, BACRT and Emissions Capture & Treatment Technologies be phased-in as-soon-as possible beginning in 2020 and completed within 5 years as interim measures until 100% Zero Emissions is achieved. Our EJ Communities desired goal is 100% ZE by 2025.   | 13-84 |
| 4. Community Air Quality Priority is the immediate adoption of an Emissions CAP on all industry emission sources within 1 year.  | 13-84 |
| 5. Community Air Quality Priority is the establishment of a Public Health Baseline for EJ Communities based on a Health Impact Assessment and Public Health Survey of each community.  | 13-84 |
| 6. Community Air Quality Priority is the reduction of public exposure from emissions from all Industry sources direct and indirect. We want a Comprehensive Inventory List by Industry Sources. To include by general major classifications and specific life threatening categories:  | 13-85 |
| <ul style="list-style-type: none"> <li>• Criteria Pollutants (CP)</li> <li>• Toxic Pollutants (TP)</li> <li>• Hazardous Air Pollutants (HAPs)</li> <li>• Volatile Organic Compounds (VOCs)</li> <li>• Greenhouse Gases (GHG)</li> <li>• Particulate Matter (PM)</li> <li>• Heavy Metals (HM)</li> <li>• Polycyclic Aromatic Hydrocarbons (PAHs)</li> <li>• Unregulated Pollutants</li> </ul> | 13-85 |
| 7. The Coalition For A Safe Environment Volunteers to participate in community organization based air quality monitoring, identification of air pollution sources, the   | 13-86 |

recommendation of mitigation measures and the identification of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies and Carbon Capture via Community Greenscaping to reduce public exposure.

13-86  
Cont.

#### Community Request Priority for the South Coast AQMD

1. Community Request Priority for the South Coast AQMD in cooperation with CARB to prevent all public exposure to all major classifications and specific life threatening categories of air pollution emissions. 13-87
2. Community Request Priority for the South Coast AQMD is to create a Comprehensive Inventory List of all air pollution direct sources on-port tidelands properties and off-port tidelands indirect sources by chemical type and annual emission quantities. Not an abbreviated short list. From this list the Public and the CSC will prioritize which classifications and categories should be part of Phase I. 13-88
3. Community Request Priority for the South Coast AQMD is to update the Emissions Inventories with all community identified air pollution source that are missing and for the SCAQMD to immediately establish the emissions quantities, baselines and post 5, 10, 15, 20 year trends on SCAQMD website.
4. Community Request Priority for the South Coast AQMD to provide a list of all available Zero Emissions Technology, BACT, BACRT, Emissions Capture & Treatment Technologies, identify all Industries and categories where these technologies can be applied now. 13-89
5. Community Request Priority for the South Coast AQMD to adopt an Indirect Source Rule to eliminate and/or reduce to less than significant emissions from all Industries within 1 year. We do not support an MOU under any conditions. State and Federal law already allow Indirect Source Rules. 13-90
6. Community Request Priority for the South Coast AQMD to sponsor technology Demonstration projects, pilot projects, infrastructure projects and incentives with ZERO Emission Projects being the # 1 priority. We want no investment of public funds in outdated technologies. 13-91
7. Community Request Priority for the South Coast AQMD to submit Port CAAP and Industry Project EIRs public comments requests supporting mandatory use of Zero Emissions Technologies, BACT, BACRT and Emissions Capture & Treatment Technologies.
8. Community Request Priority for the South Coast AQMD to mandate and recommend to the Port CAAP and Industry EIRs Air Purification Filtration Systems to Mitigate Air Pollution Public Health Impacts to children and the public. Our priority recommendations are: 13-92
  - Public Schools
  - Childcare Centers
  - Public Libraries
  - Indoor Recreational Centers
  - Senior Citizen Housing

- |  |                |
|--|----------------|
| <ul style="list-style-type: none"> <li>• Senior Citizen Centers</li> <li>• Hospitals</li> <li>• Residential Homes</li> </ul> | 13-92<br>Cont. |
|--|----------------|

**Community Recommendations for the South Coast AQMD**

- |  |       |
|--|-------|
| 1. Conduct Industry bi-annual information outreach events on incentives and programs.  | 13-93 |
| 2. Allow Emerging Industry Technology Companies Volunteer Demonstration Projects even if there is not governmental agency grant. Open to the public.   | 13-94 |
| 3. SCAQMD website include information, photos, illustrations, videos and animation of Zero Emission Technologies, BACT, BACRT, Emissions Capture & Treatment Technologies. Information and links can be from companies, non-profit organizations, institutes, universities, colleges and the public. | 13-95 |
| 4. SCAQMD to include Aerial Drones to monitor all air pollution sources, routes and destinations. There are now Aerial Drones that can fly-hoover 8-24 hrs.  | 13-96 |

**Community Partner Outreach & Initiatives**

- |  |       |
|--|-------|
| <ul style="list-style-type: none"> <li>• The Coalition For A Safe Environment (CFASE) Volunteers to participate in public information and community outreach.</li> <li>• CFASE Volunteers to recruit other community organizations to participate in public information and community outreach.</li> <li>• CFASE Volunteers to notify local news media and social media to participate in public information and community outreach.</li> <li>• CFASE will research Governmental, Foundation and Private Industry Project Grant Funding Opportunities to support our community based air quality monitoring, public health research, emerging technology research, public information and community outreach.</li> </ul> | 13-97 |
|--|-------|



## Comment Letter #13 Coalition For A Safe Environment

### AB 617 CERP Public Comments

Final

#### Chapter 6      Air Monitoring Summary

##### Community Organization Air Quality Monitoring

The participating communities of Wilmington, Carson and West Long Beach have requested that community non-profit Environmental Justice Organizations who have air quality monitoring experience participate in local community air monitoring as part of the CAMP-Community Air Monitoring Plan.

13-98

The Coalition For A Safe Environment (CFASE) has over 12 years of experience and has participated in air quality studies by the California Air Resources Board, UCLA, USC and Liberty Hill Foundation. CFASE owns a variety professional air quality instruments and has an air quality monitoring station and weather station on its office roof. Funds for CFASE's air quality monitoring equipment have been funded by CARB, Cal EPA, DTSC and USEPA.

CFASE has identified that it could partner with the SCAQMD in doing VOC Fugitive Emissions Fenceline Spot Checking of Operating Oil Well Sites and Abandoned Oil Well Sites. CFASE owns a professional \$10,000 TSI Q-Trak Instrument which measures VOCs in the ambient air in real-time. CFASE could also use the same instrument for Fenceline Spot Checking for Methane Gas at Landfills and Brownfields.

13-99

CFASE has requested that the South Coast AQMD support the expansion of the CFASE LACEEN Wilmington Air Quality Network Expansion.

CFASE is a member of the AIRE Collaborative of 5 EJ Community Organizations that have a network of over 40 PM Air Quality Monitors in California.

13-100

LBACA in Long Beach, Communities for a Better Environment in Wilmington and Community Dreams in Carson have participated in community air quality monitoring in the past.

##### Community Requested Information to be Included

##### Community Air Protection Blueprint

##### 1. APPENDIX E – STATEWIDE AIR MONITORING PLAN COMMUNITY AIR PROTECTION PROGRAM

Figure E-1 Community Air Monitoring Plan Elements

WHAT IS THE REASON FOR CONDUCTING COMMUNITY AIR MONITORING?

13-101

1. Form community partnerships.
2. State the community-specific purpose for air monitoring.
3. Identify scope of actions.
4. Define air monitoring objectives.
5. Establish roles and responsibilities.

#### HOW WILL MONITORING BE CONDUCTED?

6. Define data quality objectives.
7. Select monitoring methods and equipment.
8. Determine monitoring areas.
9. Develop quality control procedures.
10. Describe data management.
11. Provide work plan for conducting field measurements.

#### HOW WILL DATA BE USED TO TAKE ACTION?

12. Specify process for evaluating effectiveness.
13. Analyze and interpret data.
14. Communicate results to support action.

## 2. APPENDIX E – STATEWIDE AIR MONITORING PLAN

### ANALYZE AND INTERPRET DATA

Some analysis examples include, but are not limited to:

- Comparing trends in community air monitoring data to trends in data from nearby regulatory air monitors.
- Performing analysis to determine which source(s) may be primarily responsible for elevated concentrations in order to develop appropriate control strategies.
- Tracking progress over time to determine if strategies put in place by community emissions reduction programs yield ambient air quality improvements.

## 3. CHECKLIST FOR COMMUNITY AIR MONITORING EVALUATION

Table E-2 Checklist for Community Air Monitoring Evaluation

13-101  
Cont.

Response to Comment Letter #13-1

Thank you for your comments. South Coast Air Quality Management District takes all community member concerns seriously and will address each comment received.

Response to Comment Letter #13-2

Thank you for your suggested edits. The suggestion to change the first sentence in the CERP Executive Summary, “This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC) and the South Coast AQMD to reduce air pollution in the Wilmington, Carson, West Long Beach community” to include “Community Organizations with Air Quality Monitoring and Mitigation Experience” was not included. The CSC is composed of various stakeholders within the community including community based organizations. Therefore, the sentence already encompasses these groups, including those with air quality monitoring and mitigation experience.

Response to Comment Letter #13-3

South Coast AQMD’s enforcement program provides for regular inspections, to the extent allowed by available resources, of permitted facilities and air pollution sources that fall within the jurisdiction of the agency. In addition to complaints, inspections are prioritized at facilities with toxic emissions (e.g., hexavalent chromium) or with the highest potential to emit, such as RECLAIM and Title V facilities. These facilities are inspected at least annually. Other types of facilities (such as oil wells and gas stations) are generally inspected less frequently. Further, South Coast AQMD staff investigates reports of facilities operating without permits and performs inspections at new businesses. Additionally, we are committed to conducting inspections and/or investigating all of the concerns that have been prioritized by the Community Steering Committee. As part of the AB 617 process, community input is welcomed to help identify potential new pollution sources that should be considered for inclusion within our regulatory program.

Response to Comment Letter #13-4

As part of the CERP, South Coast AQMD is publishing information relating to Notice of Violations (NOVs) and Notice to Comply (NCs). Specifically, Appendix 4 provides a list of inspections that includes whether enforcement action was taken and a separate list of each enforcement action. Both lists are organized by facility/company and allows the identification of repeated violations. The South Coast AQMD Office of Compliance and Enforcement intends to update this information and also present trend data in its scheduled updates to the CSC. For example, Beginning in 2020 the South Coast AQMD Office of Compliance and Enforcement will provide CSC members periodic updates on inspection or complaint investigations on fugitive emissions and odors from oil drilling and production sites.

Response to Comment Letter #13-5

South Coast AQMD does not have the legal authority to create or implement this type of general policy. All enforcement actions are considered on a case-by-case basis, and must be consistent with our statutory authority and regulations.

Response to Comment Letter #13-6

South Coast AQMD does not have the legal authority to create or implement this type of general policy. All enforcement actions are considered on a case-by-case basis, and must be consistent with our statutory authority and regulations

Response to Comment Letter #13-7

South Coast AQMD staff has discussed the possibility of using VOC sensors operated by community members to conduct spot-checks of active and abandoned oil wells as qualitative measurements. Community members would alert the South Coast AQMD of points of interest and staff would follow up with more advanced monitoring equipment. Enforcement action must be based on evidence that meets the legal requirements for admissibility in court. Furthermore, the commenter recently received a small grant to work with different research institutions to develop low-cost VOC sensors. South Coast AQMD had provided a letter of support toward this effort. South Coast AQMD will continue to collaborate with community organizations on the implementation of the CERP and CAMP. Additionally, CARB provides Community Air Grants as part of the Community Air Protection Program, and community air monitoring projects are one category of projects that may be funded through these grants.

Response to Comment Letter #13-8

Please see Response to Comment Letter #1-1.

Response to Comment Letter #13-9

Please see Response to Comment Letter #1-2.

Response to Comment Letter #13-10

The community air quality priorities found in chapter 5 were identified and discussed by the CSC across various monthly meetings. Staff recognizes the community's priority is to achieve emission reductions from the priority sources, and the actions proposed in the CERP are consistent with this priority. Please see Chapter 3b and Appendix 3b for a detailed report on source attribution, which includes information about specific pollutants and pollutant categories (e.g. VOCs). With respect to the request for inventory information, please see Response to Comment Letter #1-3"

Response to Comment Letter #13-11

South Coast AQMD staff thanks the Coalition for a Safe Environment for their willingness to volunteer in air monitoring and other efforts. South Coast AQMD staff will continue to collaborate with community organizations on the implementation of the CERP and CAMP.

Response to Comment Letter #13-12

South Coast AQMD staff has developed actions within the CERP to improve air quality as outlined in the CARB Blueprint. This includes actions that reduce public exposure based on the air quality priorities identified by the CSC. Chapters 5b through 5g of the CERP identify actions that reduce emissions and/or reduce public exposure.

Response to Comment Letter #13-13

Please see Response to Comment Letter #1-3.

Response to Comment Letter #13-14

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are frequently established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). The Technology Clearinghouse keeps track of technologies such as BART. Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process. Permit considerations for both new and modified sources throughout the district are based on rule requirements. South Coast AQMD is conducting Best Available Retrofit Control Technology (BARCT) assessments as part of the rule development efforts to transition RECLAIM facilities to command-and-control.

Response to Comment Letter #13-15

Please see Response to Comment Letter #1-8.

Response to Comment Letter #13-16

Please see Response to Comment Letter #1-9.

Response to Comment Letter #13-17

The South Coast AQMD will take direct actions to mitigate air pollution public health impacts to children and the public. The CERP includes exposure reduction actions, such as Chapter 5g, Action 2, to address the children and the public. Through this action, South Coast AQMD will continue the installation of school air filtration systems<sup>6</sup> with priority given to schools near truck routes, railyards, and/or major freeways. Staff will also explore opportunities for additional schools and funding to provide filter replacements for schools already equipped with high efficiency filtration systems.

---

<sup>6</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continue to be provided to schools that have had air filtration systems installed. Given that these projects are dependent on available funding, the CSC will need to prioritize schools for air filtration systems

As stated in Response to Comment Letter #13-14, South Coast AQMD is conducting BARCT assessments as part of the rule development efforts to transition RECLAIM facilities to command-and-control. Please also see Response to Public Meeting Comment # 2-1 and Response to Comment Letter #8-3 regarding BARCT.

Response to Comment Letter #13-18

The South Coast AQMD conducts regular outreach events throughout the year for South Coast AQMD's incentive funding programs. These outreach activities continue to generate high interest in the programs, resulting in funding requests that far exceed the amount of available funding for these programs. In addition to regular outreach scheduled for each of the four counties for available incentive funds, starting in 2017, South Coast AQMD expanded these outreach efforts by notifying fleets (drayage and non-drayage), sea and inland ports, rail yards, warehouses, and other facilities located within the AB 617 communities of the funding opportunities. This expanded outreach resulted in about \$60.1 million in funding requests from the three AB 617 communities (as well as additional funding requests for projects in other disadvantaged and low-income communities) under the current Carl Moyer/Community Air Protection Programs application process. Since the various incentive programs are open to receive applications at different times in the year, the outreach efforts conducted by South Coast AQMD are coordinated with the timing of each program to maximize interest and participation. However, for some incentive programs, such as Replace Your Ride, South Coast AQMD provides outreach throughout the year. If included in approved Community Emissions Reduction Plans, South Coast AQMD can plan to conduct semiannual outreach.

Response to Comment Letter #13-19

Most of the mobile source demonstration projects are funded from the South Coast AQMD Clean Fuels Fund that has approximately \$13 Million per year in funding. Thus, Clean Fuel Funds are programmatically leveraged with other state and federal government agencies, as well as private funding opportunities, in order to support a wide variety of technologies both emerging and pre-commercial. Without this leveraging of funds, South Coast AQMD would be limited on the number and scope of technology demonstration projects that can be supported. Furthermore, demonstration projects also need to show a commercialization pathway to maximize the air quality benefits to the region. However, generally, public funding sources typically require the demonstration and deployment in disadvantaged communities, and many are deployed with the three AB 617 communities, especially the Wilmington, Carson, West Long Beach community. For those instances where demonstration projects are not funded by a governmental agency grant, the emerging industry technology company demonstration projects will be evaluated on a case by case basis. Generally speaking, the nature of the project will have to be evaluated to ensure that the project follows the parameters established by any pertinent demonstration project guidelines.

Response to Comment Letter #13-20

The Clean Fuel Annual Reports, summarizing the South Coast AQMD efforts on research, development, demonstration and deployment projects for mobile sources, are available on the South Coast AQMD website and can be accessed by the public. These annual reports include information on current and completed projects that focus on zero- and near zero-emission technologies, emission capture and treatment. Information on the projects, data, photos and illustrations are included in the reports, as well as links to government and non-government agencies and organizations, including academia that lead funded efforts. South Coast AQMD can also include links to our technology partners' sites, such as Volvo Trucks Electromobility site (<https://www.volvotrucks.com/en-en/about-us/electromobility.html>), which include videos and animations on electric truck technology. South Coast AQMD does not develop content on various technologies the best course would be to direct people to partner websites that do have content that informs and educates the public. Additionally, South Coast AQMD does not develop content on various technologies. However, South Coast AQMD can direct people to partner websites that do have content that informs and educates the public. Additionally, South Coast AQMD website includes links to the BACT program (<http://www.aqmd.gov/home/permits/bact>) and CARB website maintains a BACT Clearinghouse (<https://ww3.arb.ca.gov/bact/bactnew/rptpara.htm>) and RACT/BARCT Clearinghouse (<https://ww3.arb.ca.gov/ractbarc/ractbarc.htm>).

Response to Comment Letter #13-21

While Unmanned Aerial Vehicles (UAVs) are not suited to monitor "all air pollution sources, routes and destinations", they can provide valuable information on air pollution sources that are difficult to reach with more conventional monitoring techniques. South Coast AQMD staff is exploring the possibility to use UAV technology for various applications related to AB 617 monitoring.

Response to Comment Letter #13-22

Thank you for your request. The CERP was developed to follow the guidelines outlined in the CARB Blueprint. The CERP includes each of the elements in the bulleted points highlighted by the commenter:

- The community steering committee was established by the South Coast AQMD. Information about the CSC members and their affiliations can be found in the CERP Chapter 2, Table 2-1.
- The source attribution for the air pollution impacting the WCWL community can be found in Chapter 3b.
- Data on public health factors included in CalEnviroScreen 3.0 (asthma, low birth weight, and cardiovascular disease) is provided in Chapter 3a.
- The emissions reduction targets in the CERP are outlined in Chapter 5a. The implementation schedule for the actions that lead to the emissions reduction targets can be found in Chapter 5h. Each action is specific to reducing emissions from the six air



quality priorities identified by the CSC and can be found in Chapters 5b through 5g. The specific actions within the aforementioned chapters includes strategies such as compliance, incentives, public outreach, etc.

- The actions found in Chapters 5b through 5g include regulatory, enforcement, incentive, and other strategies to reduce emissions in the WCWL community.
- Many of the actions found in Chapters 5b through 5g will be conducted in collaboration with local government agencies. For example, Chapter 5d, Action 2 includes collaborations with local cities on transportation strategies (e.g. restricted truck routes).
- Chapter 4 of the CERP outlines the enforcement plan for the WCWL CERP.
- Chapter 5a through 5h lay out the actions for the CERP to reduce emissions, including goals and metrics that will be used to track the progress of this plan. The Implementation Schedule in Chapter 5h outlines the timeline for implementation, and staff will provide updates to the CSC on the progress made on the CERP actions.

Response to Comment Letter #13-23

Please see Response to Comment Letter #1-1.

Response to Comment Letter #13-24

Please see Response to Comment Letter #1-2.

Response to Comment Letter #13-25

The community air quality priorities found in chapter 5 were identified and discussed by the CSC across various monthly meetings. The air quality priorities for this community do include refinery emissions (including storage tanks), ports (including emissions from oil tankers), and oil drilling and production (e.g. emissions from operating and abandoned oil wells). The actions to address these community priorities can be found in Chapters 5b, 5c, and 5e.

Response to Comment Letter #13-26

Please see Response to Comment Letter #1-3.

Response to Comment Letter #13-27

Please see Response to Comment Letter #1-4.

Response to Comment Letter #13-28

Please see Response to Comment Letter #1-5.

Response to Comment Letter #13-29

Please see Response to Comment Letter #1-5.

Response to Comment Letter #13-30

Please see Response to Comment Letter #1-8 and 8-13

Response to Comment Letter #13-31

Please see Response to Comment Letter #1-7.



Response to Comment Letter #13-32

Please see Response to Comment Letter #1-6.

Response to Comment Letter #13-33

Please see Response to Comment Letter #1-10.

Response to Comment Letter #13-34

The 2017 CAAP updates establishes a goal of expanding on-dock rail to accommodate 35% of all cargo leaving the port complex by rail, which represents a significant increase from the existing levels (i.e., about 24%). Staff will continue working with the ports through the MOU process to encourage expanded use of on-dock rail. Based on the 2017 CAAP Update, terminal operators are required to consider purchasing zero-emission equipment first, if feasible, beginning in 2020. The feasibility of zero-emission equipment will be determined through “public and collaborative process” based on the Ports’ Feasibility Assessment, which is expected to be released in Q3 2019 with subsequent assessments to follow at least every three years. The Ports will also work with terminal operators to accelerate the transition to zero-emission terminal equipment through lease renewals, EIR mitigation measures and other opportunities and venues, with a goal to transition to 100% zero-emission terminal equipment by 2030.

Response to Comment Letter #13-35

Please see Response to Comment Letter #13-18.

Response to Comment Letter #13-36

Please see Response to Comment Letter #13-19.

Response to Comment Letter #13-37

Please see Response to Comment Letter #13-20.

Response to Comment Letter #13-38

Please see Response to Comment Letter #13-21.

Response to Comment Letter #13-39

Please see Response to Comment Letter #1-1.

Response to Comment Letter #13-40

Please see Response to Comment Letter #1-2.

Response to Comment Letter #13-41

The community identified neighborhood truck traffic as one of the air quality priorities to be addressed in the CERP. Actions in Chapter 5d include working with the cities on truck routes, and reducing emissions from idling and operating trucks in the community. These actions will help decrease emissions from trucks in the community, including those that frequent storage yards, fueling stations, container storage yards, and other locations in the community.

Response to Comment Letter #13-42

Chapter 5d includes South Coast AQMD's commitment to conducting idling sweeps in the community. CARB has also committed to conducting and coordinating idling truck inspections with the California Highway patrol. This commitment also includes responding to noncompliant truck idling in the community and residential areas. For any instance of illegal truck traffic, South Coast AQMD will refer the complaint to the responsible agency. For example, if the truck traffic is subject to laws enforced by the Port Police, South Coast AQMD will refer the case to the Port Police as the responsible agency.

Response to Comment Letter #13-43

Please see Response to Comment Letter #1-3.

Response to Comment Letter #13-44

A list of zero-emissions technology can be provided. However, not all available zero-emission truck technologies are suitable alternatives for field applications. South Coast AQMD encourages zero-emissions when technologically feasible and commercially available. Also, see Response to Comment Letter #1-1.

Response to Comment Letter #13-45

Please see Response to Comment Letter #1-8.

Response to Comment Letter #13-46

Please see Response to Comment Letter #1-6.

Response to Comment Letter #13-47

The 2017 CAAP updates establishes a goal of expanding on-dock rail to accommodate 35% of all cargo leaving the port complex by rail, which represents a significant increase from the existing levels (i.e., about 24%). Staff will continue working with the ports through the MOU process to encourage expanded use of on-dock rail.

Response to Comment Letter #13-48

Please see Response to Comment Letter #13-18.

Response to Comment Letter #13-49

Please see Response to Comment Letter #13-19.

Response to Comment Letter #13-50

Please see Response to Comment Letter #13-20.

Response to Comment Letter #13-51

Please see Response to Comment Letter #13-21.

Response to Comment Letter #13-52

See Response to Comment Letter #1-1.

Response to Comment Letter #13-53

Please see Response to Comment Letter #1-2.

Response to Comment Letter #13-54

Chapter 3b and Appendix 3b include a detailed report on source attribution. The community air quality priorities found in chapter 5 were identified and discussed by the CSC across various monthly meetings. The air quality priorities for this community do include refinery emissions (including storage tanks), ports (including emissions from oil tankers), and oil drilling and production (e.g. emissions from operating and abandoned oil wells). The actions to address these community priorities can be found in Chapters 5b, 5c, and 5e.

Response to Comment Letter #13-55

Please see Response to Comment Letter #1-3.

Response to Comment Letter #13-56

South Coast AQMD staff have been conducting Best Available Control Technology (BACT) analyses and working closely with CARB to provide data for the Technology Clearinghouse. Requirements for Toxics-Best Available Control Technology (T-BACT) are frequently established through the adoption and amendment of rules affecting air toxics (i.e., Regulation XIV). The Technology Clearinghouse keeps track of technologies such as BART. Staff will reference the Technology Clearinghouse and applicable air toxic rule requirements (inclusive of state Air Toxic Control Measures (ATCMs) and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs), when available, to evaluate for potential tightening of rules through the rule development process.

Response to Comment Letter #13-57

Please see Response to Comment Letter #1-8.

Response to Comment Letter #13-58

Please see Response to Comment Letter #1-6.

Response to Comment Letter #13-59

South Coast AQMD staff will continue to collaborate with community organizations on the implementation of the CERP and CAMP. Chapter 5e, Action 1 specifically identifies community-based organizations as a key implementing entity to conduct community air monitoring that is complementary to the South Coast AQMD community air measurement efforts.

Response to Comment Letter #13-60

CARB staff developed a systematic selection process to identify and prioritize communities for air monitoring in the Study of Neighborhood Air near Petroleum Sources (SNAPS). The selection process is composed of three stages: identification, evaluation, and prioritization. Additional considerations may be incorporated into the process over time and the mechanisms of these existing stages might be revised as more information becomes available.

In the identification stage, staff developed a list of candidate communities for potential study. This list was based on (1) a mapping analysis to determine areas with significant co-location of oil and gas production and populations, and (2) suggestions for additional specific communities made by the public and local air districts. The resulting candidate community list contains 56 communities from across the State, most of which were identified by the mapping analysis.

In the evaluation stage, staff gathered additional data for each community on the candidate community list. This data is intended to differentiate communities that may have a higher likelihood of being impacted by oil and gas production emissions. A threshold analysis of eight indicators (within four thematic categories) enables staff to advance communities that meet the thresholds for the highest number of indicators to the prioritization stage. This is intended to continue with additional communities being elevated for prioritization over time. The eight indicators are detailed below.

In the prioritization stage, communities are prioritized according to a more detailed analysis of the eight indicators and additional considerations primarily related to logistics of placing air monitoring equipment within a community. This effort is currently ongoing. Staff divided the State into two regions for this analysis: Central Valley/Northern and Central/South Coasts. Communities are only compared to others in the same region because of the differences between the regions in terms of population characteristics, well placement relative to communities, and existing air measurement data. When possible, staff plan to rotate air monitoring between the two regions, using the time while air monitoring is occurring in one region to prepare to monitor in the other region.

Both Wilmington and Signal Hill are on the list of 56 candidate communities, all determined from the identification stage. After the evaluation stage was completed in 2018, CARB placed Wilmington and Signal Hill on the “First Round Short List” based on the number of indicators they received compared to other candidate communities (see table posted on SNAPS website). This short list was then narrowed down further in the prioritization stage to four initial communities for SNAPS air monitoring: Lost Hills, McKittrick/Derby Acres, Baldwin Hills, and South Los Angeles. These four communities will be the first to receive SNAPS monitoring. After monitoring is completed in these four communities, additional communities will be selected for the second round of air monitoring under the SNAPS program. Wilmington and Signal Hill will be considered for this second round of monitoring.

#### Response to Comment Letter #13-61

As part of Chapter 5e, Action 1, South Coast AQMD staff will request that data from DOGGR that identifies the well status, including whether a well was abandoned or remediated. Staff will work with the CSC to identify which wells within the community are the highest priority, including considering whether the proximity of the wells to sensitive receptors.

#### Response to Comment Letter #13-62

The South Coast AQMD is given broad authority by the California legislature to regulate air pollution from "all sources, other than emissions from motor vehicles" (H&SC Section 40000). The term "air pollutant" includes odors (H&SC Section 39013). Currently, the South Coast AQMD has authority under Rule 402 to take enforcement action to address odors causing air quality related public complaints that rise to the level of a public nuisance. The California Health & Safety Code identifies that CARB, in consultation with the California Office of Environmental Health Hazard Assessment (OEHHA), is tasked with assessing the scientific data to establish whether a pollutant is considered a toxic air contaminant. In addition, the U.S. EPA has the authority to list substances as federal hazardous air pollutants. Air pollutants that meet either of these definitions can then be regulated as air toxics. If an odorous air pollutant is identified as an air toxic under either these definitions, then South Coast AQMD can regulate that pollutant as an air toxic. In addition, South Coast AQMD staff has taken enforcement action for violation of Rule 402 or Health and Safety Code Section 41700 (public nuisance) based upon high levels of emissions of identified toxic air contaminants, such as an action against a chrome anodizing facility for emissions of hexavalent chromium. Therefore staff does not believe state law needs to be amended to allow public nuisance cases to include toxic emissions.

Response to Comment Letter #13-63

South Coast AQMD staff will work with the LA County Department of Public Health to assess what tools may be appropriate to gather public health data. See also Response to Comment Letter #1-2.

Response to Comment Letter #13-64

Chapter 5b, Action 3 describes some additional requirements that could be considered in PAR 1118 to address refinery flaring, including back-up power systems to prevent power outages and subsequent flaring. A technical assessment will be conducted as part of the rule development process. Additional requirements (e.g. notifications, pressure gauges, monitoring) for refinery equipment or oil drilling activities will be evaluated in the rule development process pertaining to that equipment.

Response to Comment Letter #13-65

Please see Response to Comment Letter #13-18.

Response to Comment Letter #13-66

Please see Response to Comment Letter #13-19.

Response to Comment Letter #13-67

Please see Response to Comment Letter #13-20.

Response to Comment Letter #13-68

Please see Response to Comment Letter #13-21.

Response to Comment Letter #13-69

Please see Response to Comment Letter #1-1.

Response to Comment Letter #13-70

Please see Response to Comment Letter #1-2.

Response to Comment Letter #13-71

Chapter 3b and Appendix 3b includes a detailed report on source attribution, including emissions from trains, ships, and other sources. In addition, South Coast AQMD staff has recently received updated emissions inventories for railyards. Staff will work with the railroad companies to review the data and will provide updates to the community in the coming months.

Response to Comment Letter #13-72

Please see Response to Comment Letter #1-3. In addition, South Coast AQMD staff has recently received updated emissions inventories for railyards. Staff will work with the railroad companies to review the data and will provide updates to the community in the coming months.

Response to Comment Letter #13-73

Please see Response to Comment Letter #1-4.

Response to Comment Letter #13-74

South Coast AQMD staff have already been working on developing an Indirect Source Rule for railyards, which is expected to be considered for adoption in 2020. For more information, please see Response to Comment Letter #8-13.

Response to Comment Letter #13-75

Please see Response to Comment Letter #1-6.

Response to Comment Letter #13-76

South Coast AQMD staff will continue to collaborate with community organizations on the implementation of the CERP and CAMP.

Response to Comment Letter #13-77

Please see Response to Comment Letter #13-63.

Response to Comment Letter #13-78

Staff will collaborate with the appropriate agency to determine the feasibility of each suggestion.

Response to Comment Letter #13-79

Please see Response to Comment Letter #13-18.

Response to Comment Letter #13-80

Please see Response to Comment Letter #13-19.

Response to Comment Letter #13-81

Please see Response to Comment Letter #13-20.

Response to Comment Letter #13-82

Please see Response to Comment Letter #13-21.

Response to Comment Letter #13-83

Please see Response to Comment 1-1.

Response to Comment Letter #13-84

Please see Response to Comment 1-2.

Response to Comment Letter #13-85

Please see Response to Comment Letter #13-10. Response to Comment Letter #13-86

South Coast AQMD staff will continue to collaborate with community organizations on the implementation of the CERP and CAMP.

Response to Comment Letter #13-87

Please see Response to Comment 13-12. Response to Comment Letter #13-88

Please see Response to Comment Letter #1-3.

Response to Comment Letter #13-89

Please see Response to Comment Letter #1-4.

Response to Comment Letter #13-90

Please see Responses to Comment Letter #1-7, #13-74, and #8-13.

Response to Comment Letter #13-91

Please see Response to Comment Letter #1-6.

Response to Comment Letter #13-92

South Coast AQMD has previously supported efforts to install air filtration systems at public schools and community centers; these efforts in this community are described in Chapter 5g. Chapter 5g, Actions 2 and 3 describe efforts to reduce exposures through the installation of air filtration systems at schools and homes, which were identified by the CSC as the priorities for these exposure reduction actions.

See also Response to Comment Letter #1-1 regarding the development of an MOU to implement the Ports CAAP.

Response to Comment Letter #13-93

Please see Response to Comment Letter #13-18.

Response to Comment Letter #13-94

Please see Response to Comment Letter #13-19.

Response to Comment Letter #13-95

Please see Response to Comment Letter #13-20.

Response to Comment Letter #13-96

Please see Response to Comment Letter #13-21.

Response to Comment Letter #13-97

The South Coast AQMD staff appreciates CFASE's efforts, as public engagement is critical to the success of this program.

Response to Comment Letter #13-98

South Coast AQMD staff will continue to collaborate with community organizations on the implementation of the CERP and CAMP. Chapter 5e, Action 1 specifically identifies community-based organizations as a key implementing entity to conduct community air monitoring that is complementary to the South Coast AQMD community air measurement efforts.

Response to Comment Letter #13-99

South Coast AQMD staff has discussed the possibility of using VOC sensors operated by community members to conduct spot-checks of active and abandoned oil wells as qualitative measurements. Staff will continue to discuss the details with the CSC in order to draft a plan for implementing these efforts. Furthermore, South Coast AQMD staff recently wrote a letter of support that led to CSC member Jesse Marquez to receive a grant to work with different research institutions to develop a low-cost VOC sensor.

Response to Comment Letter #13-100

South Coast AQMD staff has previously discussed this request with CSC member Jesse Marquez. As previously discussed with him, South Coast AQMD staff will be providing a few PM and VOC sensors to help build the CFASE sensor network.

Response to Comment Letter #13-101

The CAMP was developed following the guidelines outlined in the CARB Blueprint.



Comment Letter #14: Bridget McCann – Western States Petroleum Association (WSPA)

Comment Letter #14



**Bridget McCann**  
Manager, Technical and Regulatory Affairs

July 2, 2019

Dr. Philip Fine  
Deputy Executive Officer, Planning and Rules  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

sent via email: [pfine@aqmd.gov](mailto:pfine@aqmd.gov)

**Re: AB617 Community Emission Reduction Plan (CERP)**  
**Discussion Draft for Wilmington, Carson & West Long Beach (WCWLB)**

Dear Dr. Fine,

Western States Petroleum Association (WSPA) appreciates the opportunity to participate in South Coast Air Quality Management District's (SCAQMD or District) AB617 Community Steering Committee meetings for the Wilmington, Carson, West Long Beach (WCWLB) community. WSPA is a non-profit trade association representing companies that explore for, produce, refine, transport and market petroleum, petroleum products, natural gas and other energy supplies in five western states including California. WSPA has been an active participant in air quality planning issues for over 30 years. WSPA-member companies operate petroleum refineries and other facilities in the South Coast Air Basin. Some of these facilities are located within the WCWLB community boundary.

The District recently published "discussion draft" versions of select CERP chapters for the WCWLB community area. These sections included (potential) actions to reduce air pollution emissions or exposures for a number of stationary source and/or mobile source categories.<sup>1</sup> District Staff presented an overview of these CERP chapters to the WCWLB Community Steering Committee on 13 June 2019.<sup>2</sup> WSPA offers the following comments specifically on discussion draft Chapter 5b - Refineries.<sup>3</sup>

- 1. CERP Section 5b needs to detail the comprehensive coverage of existing and proposed District rules already focused on refinery sector sources.**

The discussion draft version of CERP Section 5b, Refineries, specifically identifies flaring events and refinery process equipment as priorities identified in the WCWLB steering committee meetings. The discussion draft also notes that "ongoing rule development and air monitoring

<sup>1</sup> SCAQMD, Discussion Draft, Community Emissions Reduction Plan (CERP) for the Wilmington, Carson & West Long Beach Community, June 2019, posted at <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>.

<sup>2</sup> CSC meeting presentation from 13 June 2019 is available at <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm>.

<sup>3</sup> CERP Discussion Draft, Section 5b – Refineries, June 2019.

July 2, 2019  
Page 2

efforts by the District will help address some of these air quality priorities” in the WCWLB community,<sup>4</sup> and cites the following Best Available Retrofit Control Technology (BARCT) rules:

- Rule 1118, Control of Emissions from Refinery Flares
- Rule 1180, Refinery Fenceline and Community Air Monitoring
- Rule 1109.1, Refinery Equipment

14-1

These facilities are subject to a large number of other air quality rules/regulations which are enforced by the District, the California Air Resources Board (CARB), and the U.S. Environmental Protection Agency (USEPA). Chapter 5b should be revised to detail the comprehensive level of these existing rules and regulations to better inform the steering committee and other community stakeholders.

With respect to the prospective use of mobile monitoring (i.e., proposed Action 2),<sup>5</sup> we generally agree that mobile monitoring may be useful for enhanced leak detection and repair (LDAR) activities. We note that some mobile monitoring platforms are based on air monitoring technologies which have not been reviewed and/or approved by USEPA for regulatory purposes. So, while such mobile monitoring platforms may be used for enhanced LDAR purposes, the information may not be suitable for enforcement purposes. The discussion of Action 2 in Chapter 5b should be accordingly revised.

14-2

**2. Any future changes to District BARCT rules (e.g., Rule 1118) must be based upon the consideration of specified criteria pursuant the California Health & Safety Code.**

The California Health & Safety Code authorizes the District to establish Best Available Retrofit Control Technology (BARCT) requirements based upon the consideration of specified criteria. This includes a demonstration that any new or amended BARCT requirements are both technically feasible and cost effective.

14-3

The discussion draft version of CERP Section 5b, Refineries, suggests that the District may require methods to reduce refinery flaring emissions through amendments to Rule 1118.<sup>6</sup> We note that the current version of District Rule 1118, which was just amended in 2017, harmonized current Rule 1118 with USEPA’s flare standards in the national Refinery Sector Rule and included significant new prohibitions on certain types of flaring.<sup>7</sup> The current version of Rule 1118 also required the facilities to prepare an engineering “scoping document” that evaluates the feasibility of minimizing (or avoiding) planned and unplanned flaring events. The outcome of those engineering demonstrations will inform what additional control measures, if any, may be technically feasible under the rule.

The discussion draft suggests a reduction target for refinery flare emissions under Action 3. At this time, that suggestion appears to lack any basis. Since any future amendments to Rule 1118 will need to conform with applicable BARCT criteria, including a demonstration of technical feasibility, the discussion draft should be revised to describe the current Rule 1118 scoping

<sup>4</sup> CERP Discussion Draft, Section 5b – Refineries, June 2019. See page 5-3.

<sup>5</sup> CERP Discussion Draft, Section 5b – Refineries, June 2019. See page 5-4.

<sup>6</sup> CERP Discussion Draft, Section 5b – Refineries, June 2019. See page 5-6.

<sup>7</sup> SCAQMD, Draft Staff Report for Proposed Amended Rule 1118 – Control of Emissions from Refinery Flares, July 2017.

July 2, 2019  
Page 3

document process, and explain to the steering committee how that engineering process will inform any future amendments to Rule 1118.

14-3  
Cont.

**3. The Discussion Draft does not provide a technical foundation to support emission control measures beyond those found in existing or proposed rules and regulations (e.g., BARCT).**

The AB617 statute and associated Community Air Pollution Protection Blueprint specify a number of requirements for Community Emissions Reduction Programs (CERPs).<sup>8</sup> Among the required analytical tasks is a source attribution analysis which estimates the relative contribution of emissions sources (or categories of sources) to elevated air pollution exposures in the community. Such an analysis has not been presented in the discussion draft or the materials presented to the WCWLB steering committee. On the contrary, information presented to the steering committee by the District suggests that refineries actually represent a relatively low contribution to exposure levels in the WCWLB community.<sup>9</sup>

14-4

The discussion draft also fails to fully assess existing and available measures for reducing emissions from contributing sources or source categories including, but not limited to, Best Available Control Technology (BACT), BARCT, or Best Available Control Technology for Toxic Air Contaminants (T-BARCT), or how those measures in existing or proposed rules would reduce air pollution exposures in the future. Such a demonstration is required for the CERP.<sup>10</sup>

In the absence of these required analytical tasks, the discussion draft CERP lacks a technical foundation for suggesting control measures beyond those found in existing or proposed rules and regulations. The discussion draft should be accordingly revised.

WSPA appreciates the opportunity to provide these comments. We look forward to continued discussion of this important planning process. If you have any questions, please contact me at (310) 808-2146 or via e-mail at [bridget@wspa.org](mailto:bridget@wspa.org).

Sincerely,



Cc: Wayne Natri  
Dr. Jo Kay Ghosh  
Daniel Garcia  
Tom Umenhofer  
Patty Senecal

<sup>8</sup> CARB, Community Air Protection Blueprint, Appendix C, Criteria for Community Emission Reduction Programs.

<sup>9</sup> SCAQMD, Presentation the WCWLB Community Steering Committee, April 11, 2019, slide 12.

<sup>10</sup> CARB, Community Air Protection Blueprint, Appendix C, Criteria for Community Emission Reduction Programs.

Response to Comment Letter #14-1

South Coast AQMD staff provided a list of rules and regulations that apply to refineries in Appendix 5b of the Draft Final CERP. The list includes rules, such as, Rule 1123 – Refinery Turnarounds and Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks and Petroleum Facilities.

Response to Comment Letter #14-2

The air measurements in Action 2 of Chapter 5b – Refineries, will be used to identify, quantify and mitigate potential leaks from refineries. Mobile air measurements are not an enforcement tool. However, if the monitoring data shows elevated emissions related to refinery operations it may be necessary to conduct follow-up inspections at refineries to identify the source of emissions. Data from mobile air measurements could be used to focus South Coast AQMD inspections on the potential source of elevated emissions and help refinery operators expeditiously resolve fugitive emissions leaks, equipment breakdowns, etc.

Response to Comment Letter #14-3

Based on recent emissions data from petroleum refineries in the WCWL community emissions from flaring during the first quarter of 2016 to the fourth quarter of 2018 resulted in an average of 39 tpy of NOx, 3 tpy of PM10, 4 tpy of VOCs and 22 tpy of SOx. Also, recent data shows that over half of flaring emissions are from planned events.<sup>7</sup> To further address emissions from flaring the South Coast AQMD staff will review flare minimization plans, new technologies and other information to assess the technical feasibility of future rule requirements.

The 2017 amendment to Rule 1118 included a requirement for the affected facilities to submit a Scoping Document to evaluate the feasibility of minimizing or avoiding planned and unplanned flaring events. The scoping documents include potential physical controls and/or operating practices, technical feasibility, cost estimates, and timing to reduce planned flare events. The documents also include essential operation needs flare events and the feasibility of installing and maintaining at least three physical or automated process controls to avoid or minimize emergency flare events. The “Course of Action” for Action 3 of Chapter 2b in the Draft Final CERP includes a measure to consider the scoping documents required by Rule 1118 for future rule development to Amend Rule 1118.

Response to Comment Letter #14-4

Chapter 3b – Source Attribution Analysis for the WCWL CERP was released July 12, 2109. Based on data provided in the analysis (see Figure 3 of Chapter 3b) petroleum refineries account for 17% of VOC, 21% of NOx, and 65% of SOx total community emissions in WCWL. Furthermore, refineries are a significant source of heavy metal emissions as well. The hexavalent chromium, nickel, arsenic, beryllium and lead emissions from the refineries contribute 15%, 37%, 40%, 92% and 7% of the community total emissions, respectively.

---

<sup>7</sup> <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-jul7-038.pdf?sfvrsn=5>

The CERP includes revisions that assess existing and available measures for reducing emissions from contributing sources. For example, Chapter 5b – Refineries, includes Action 5: Achieve Further NO<sub>x</sub> Emissions from Refinery Equipment through Adoption of Rule 1109.1 – Refinery Equipment. This action provides a specific measure to evaluate the technical feasibility and cost effectiveness of Best Available Retrofit Control Technology (BARCT) to reduce emissions from refinery equipment including existing boilers, heaters, gas turbines, fluid catalytic cracking units, sulfur recovery units, incinerators, and a coke calciner. Also, Appendix 5b – Refineries, includes revisions to identify existing rules or measures that reduce emissions from refineries.

Comment Letter #15: Marie Cobian – City of Los Angeles

Comment Letter #15



Community Emission Reduction Plan  
(CERP) Comment Form

**AB617 Year 1 Community**

Wilmington, Carson, West Long Beach

**AB617 Year 1 Community Code**

WIL

**AB617 Doc Type**

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

**Language Preference**

☒ English ☐ Español

**Form Information**

**Date Created**

07/03/2019

**Time Created**

11:45 AM

**Commentor Contact Information**

**Commenter's Name \***

MARIE COBIAN

**Affiliation \***

Agency, School, University or Hospital

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**

Y



<b>Comments (Unlimited Size) *</b>	
-Exposure Reduction for Schools, Childcare Centers and Homes. I would suggest that Parks be added to that list. Of particular concern is the park at Opp and Banning in Wilmington.	15-1
-Neighborhood Truck Traffic: Work with LADOT to explore physical interventions, such as chicanes or traffic circles, at key locations (supported by residents & homeowners in the area) to prevent trucks from entering residential neighborhoods.	15-2
-Oil Drilling and Production: Work with the oil industry to identify and encourage abandonment of lower-producing wells and wells located within residential neighborhoods. The sites can then be converted into community gardens (example: I Heart Wilmington Community Garden) or other appropriate uses.	15-3
-Relocation assistance for existing industrial uses located within residential neighborhoods to more appropriate sites. (i.e., 1116 N Watson Ave, 1022 N Eubank Ave, & 1020 N McFarland to name a few)	15-4

#### Response to Comment Letter #15-1

Chapter 5g includes reducing exposures at schools, childcare centers, homes, and other locations where people spend a lot of time, which would also encompass community centers at parks. The John Mendez Baseball Park at Opp and Banning in Wilmington has been incorporated into the air quality concerns map in Chapter 3a. The interactive air quality concerns map online will be updated with this location and is available at: <https://scaqmd-online.maps.arcgis.com/apps/MapJournal/index.html?appid=f4089b44d00a4ada806cfa62309ab98e>

#### Response to Comment Letter #15-2

South Coast AQMD will identify the appropriate agency and work towards collaboration to determine the feasibility of this suggestion. This suggestion has been added in Chapter 5d, Action 2.

#### Response to Comment Letter #15-3

In Chapter 5e, Action 3, staff will evaluate the feasibility on Rule 1148 series and Rule 1173 amendments to reduce emissions. The rule development process is a public process and South Coast AQMD encourages all stakeholders to participate, including those from the oil industry and CSC members. The development of requirements in rules must occur within the rule development process (i.e., working groups) with all stakeholders involved. Initial concepts based on CSC input, such as this suggestion, have been incorporated and will be considered in implementing Action 3.

#### Response to Comment Letter #15-4

The statutory restrictions and/or state-adopted guidelines that govern South Coast AQMD's funding programs do not allow for the use of funds to help stationary sources relocate to more appropriate locations. In most cases, the funds are to be used for emission reductions, which would not necessarily occur as a result of a relocation, and many of the programs primarily focus on mobile sources.

Comment Letter #16: Alicia Rivera, et al – Communities for a Better Environment (submitted for Stationary Source Committee)

## Comment Letter #16

7/25/2019

SCAQMD Governing Board  
Stationary Source Committee



Re: My brief comments on AB617 Community Emission Reduction Plan to be discussed 7/26/2019  
– We need a serious step by step plan in tons per day or year, to reduce refinery and other emissions in Wilmington / Carson / W. Long Beach

Dear Stationary Source Committee Members,

I am CBE's representative on the Wilmington / Carson / W. Long Beach AB617 Community Steering Committee. I have been very active representing our community on this committee, as CBE's Wilmington Community Organizer. I have also been invited by AQMD to provide a formal presentation at the steering committee, and to present during a tour of the area for legislators and board members. Many of our other Wilmington members, staff, and coalition organizations have actively taken part, and have made many substantial recommendations in development of the Community Emission Reduction Plan (CERP<sup>1</sup>). I am also attaching the fuller comments we submitted to staff on the first draft of the plan, many of which still apply. Since we made those comments, we appreciate that staff have improved the CERP. But there are still key gaps in the plan. We understand this has been a major new effort by the District, requiring much staff time, but we need to ensure a plan that will make serious progress is developed.

Here is a brief summary of comments on the updated July version of the plan:

- **Staff added an important commitment to update the Refinery Storage Tank regulation, as we requested.** These are sources of benzene, VOCs, and more. The District's own comprehensive monitoring study (the Fluxsense study) done jointly with Swedish Scientists showed refinery benzene emissions are on average 43 times higher than the District inventory, and found these emissions were likely from refinery storage tanks, it is important that staff added this regulation to the CERP. We appreciate it. 16-1
- **Unfortunately, our main concern remains. The plan does not have any specific commitment to emissions reductions for refineries (or for other sources) – not 1 ton of required refinery reductions.** Instead it has a few goals to generally reduce emissions from a couple of refinery sources, based on later decisions which the District hopes will lead to emission reductions. We agree that these actions will likely lead to some reductions, but there are few measures in the plan, and no overall emission reduction goal for refineries. 16-2
- **For transportation, the District added to the updated plan some *estimations* of emissions reductions from *incentive* measures (including existing measures). These however are not *required* reductions.**<sup>2</sup> 16-3

<sup>1</sup> Available at: <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>

<sup>2</sup> For example, see the plan says in Chapter 5a – Actions to Reduce Air Pollution Emissions or Exposures, p. 5a-2



- **What we need in Wilmington / Carson / W. Long Beach is for the District to develop a clear plan over time to reduce emissions step by step, at the refineries, oil drilling, the ports, transportation, and all sources which cumulatively make up our unfair burden of emissions in Wilmington. For instance, the plan should have a goal to reduce emissions by significant specified percentages every year.** 16-4
- **Without having step by step goals, we cannot address the cumulative problem. It is not enough to say you will add a couple oil refinery regulations or measures.**
- **Most of the measures in the plan are enforcement, notification, or monitoring measures, not actual emissions reduction requirements.** 16-5
- **In addition, we must also elevate zero emission technologies, and begin to seriously develop a vision and plan to phase out harmful fossil fuels over time. That is really the only way to address the heavy burdens in Wilmington / Carson / W. Long Beach. Given all the record heat waves and many other climate dangers, we must realize we are in a climate emergency. If we don't start to develop a plan in the area of LA that has the highest concentration of fossil fuel infrastructure (5 oil refineries, one of the largest oil wells in any urban area in the country, and the massive ports and goods movement corridors), we will not make progress on either local disproportionate health burdens, nor on the greater climate crisis.** 16-6

Thank you for evaluating these issues. I understand that the Stationary Source is just an informational discussion tomorrow, but since AB617 was adopted with the promise that finally we would get a customized local plan to address our unfair burden of pollution, we wanted to let you know that we rely on the development of a strong emission reduction plan.

Alicia Rivera  
Wilmington Community Organizer, CBE  
(Communities for a Better Environment)

#### Response to Comment Letter #16-1

Thank you for your comment.

#### Response to Comment Letter #16-2

See Response to Public Meeting Comment #1-2

#### Response to Comment Letter #16-3

The estimated emission reductions for mobile source incentive measures are based on historical data from projects that were funded in the Wilmington, Carson, West Long Beach community. However, incentive programs facilitated by South Coast AQMD are often oversubscribed (i.e., the number of applications received, and commensurate requested funding levels are typically significantly higher than available funds). Therefore, it is likely that the CERP will achieve the

emission reduction goals resulting from mobile source incentive measures. See Response to Public Meeting Comment # 1-2 regarding emission reduction targets.

Response to Comment Letter #16-4

The CERP uses a combination of strategies to reduce emissions, including regulations, air monitoring, enforcement, outreach and incentives. These strategies are to be implemented with over 60 step-by-step measures in the CERP to achieve emission reduction targets. Additionally, the plan includes emission reduction goals for petroleum refineries based on future regulatory actions specified in the CERP. For additional information on emission reduction targets and goals please refer to Response to Public Meeting Comment # 1-2 above and Chapter 5 of the CERP.

Response to Comment Letter #16-5

See Response to Comment Letter #16-4 regarding how the plan will achieve emission reductions. Specific emission reduction requirements for sources will be determined through a combination of future regulatory, enforcement and other strategies (e.g., MOUs) specified in the CERP.

Response to Comment Letter #16-6

South Coast AQMD has committed to participate in CARB rule development efforts and supports achieving zero-emission technology in any application where it is technologically feasible and commercially available. For example, the plan specifies measures to accelerate adoption of cleaner port equipment and drayage trucks, prioritizing zero emission technologies when technologically feasible and commercially available (see Action 2 of Chapter 5d).

## Comment Letter #17: Alex Spataru – The ADEPT Group, Inc.

## Comment Letter #17

Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community

Wilmington, Carson, West Long Beach

AB617 Year 1 Community Code

WIL

AB617 Doc Type

Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

## Form Information

Date Created

07/28/2019

Time Created

10:32 AM

## Commentor Contact Information

Commenter's Name \*

ALEX SPATARU

Affiliation \*

Agency, School, University or Hospital

Email Address \*

[REDACTED]

Email Address Valid (Y/N)

Y

It is respectfully submitted that AB617 funds be timely allocated to conduct a much needed project to detect and counter violations committed by Ocean Going Vessels (OGV's) who do not observe the California Sulfur Rule while going in and out of the Ports of Los Angeles and Long Beach.

This suggested project is titled "Aerial monitoring of OGV's emissions to evaluate compliance w/fuel composition requirements in California waters".

UAV's (drones) w/payloads consisting of specialized sensor packages will be flown in the plume of ships going in and out of San Pedro Bay.

The objectives of this project include - and are not limited to:

- (1) Determine the level and extent of OGV violations of the California Sulfur Rule;
- (2) Determine the costs of such enhanced enforcement of the California Sulfur Rule; and
- (3) Adapt sensor and UAV technologies developed in Europe to California specific conditions.

Enhanced enforcement via aerial monitoring (UAV's equipped w/various gas sensors + other sensors) is now broadly practiced in the European Union (EU).

Where it's used - it has positively impacted air quality.

Further - where it is being practiced - it has paid for itself (e.g. Norway) through fines.

Several aerial monitoring systems are now used in or near EU ports or environmentally sensitive areas (e.g. Norwegian fjords).

Others are in the early implementation stages in China, Canada and Singapore.

Why is it needed?

Because there is good reason to believe that about 10% of OGV's calling in California Ports violate the CA Sulfur Rule (and the EPA SECA rule.)

This not only pollutes the disadvantaged communities of Wilmington, Carson and West Long Beach - but because it's undetected - little has been done so far being done to correct it.

Worse, the folks who make air quality models for the California Air Resources Board (CARB) and the SCAQMD have assumed that the OGV's are in full compliance w/the California Sulfur Rule and this sneaky pollution is currently unaccounted in various SIP's (including the District's).

A recent Maritime Executive article (April 14, 2019) - see <https://www.maritime-executive.com/article/in-singapore-high-sulfur-fuel-could-lead-to-prison> - reads:

"Goldman Sachs forecasts that roughly 20 percent of the world's fleet will simply not comply with the new requirement in the first year of implementation; OPEC's estimate is slightly higher at about 25 percent."

Given these educated predictions and the large price incentive to use heavy fuel oil, enhanced enforcement (e.g. aerial monitoring) it is strongly suggested to be explored as a viable means to secure full or near-full adoption of existing & impending rules.

There is indisputably strong incentive for OGV's to cheat.

For instance, the forward spread between GasOil (which is 0.5% S) and HSFO - is now ~\$240 per ton.

And the incentive to cheat is even greater when OGV's must burn the even more expensive Very Low Sulfur Fuel Oil (which is what is required by the California Sulfur Rule) - which is 0.1% S.

Must also take into consideration that the punishment for cheating is quite low vs. the benefits to be reaped from violating the law. Please consider that:

- (a) the current per incident penalty (if and when caught) is typically \$10K or less per day - and,
- (b) if the OGV cheats, a container ship can save between a half a million and one million on a round trip between China and LA.

Based on the high probability of undetected cheating - it is submitted that a significant amount air pollution caused by OGV's - which violate the California Sulfur Rule in waters within SCAQMD's territory - goes undetected and unaccounted for.

Based on data collected over the last eleven (11) months - from similar EU and Asian programs - as well as based on additional facts - it is impossible to support the SIP modelers' overoptimistic assumption that all OGV's comply w/the CA Sulfur Rule (as well as w/the SECA rule.)

Thus, the preponderance of circumstantial evidence leads to the conclusion that the Annual Emissions Inventory for the Ports is underreported as far as the OGV component is concerned.

17-1

And - given the above - there is good reason to support a project to determine the degree to which OGV's currently flaunt the California Sulfur Rule.

The California Sulfur Rule is a CARB rule - yet the pollution caused by OGV's violating this rule (& the SECA Rule) directly affects the District's residents - and particular those who live and work in or near the disadvantaged communities in or near California's commercial ports.

CARB has not had the resources (staff & equipment) nor the methodologies to effectively enforce this rule - nor has the US Coast Guard had the resources (or the mission priority) to significantly monitor compliance w/the SECA regulation it signed an MOU w/EPA in 2011 to enforce.

Further, one of the challenge at hand lies in the false belief by some that random checks at pier of OGV's fuel (right before the engine) is an effective means to dissuade violators of the sulfur rule/s. This myth was disproved in all the EU countries where aerial monitoring is being practiced.

Given the above - it is reasonable and conservative to posit that ~10% of the OGV's calling in the ports of LA and LB violate max. sulfur-in-fuel (air quality) regulations.

The above data was uncovered by a student team at UCLA's Institute of the Environment and Sustainability (IoES) as part of their 2018-19 Senior Practicum.

In this context - it's pertinent to note that in the past SCAQMD and CARB have signed MOU's to facilitate greater enforcement - and that such collaboration can be extended to monitoring for fuller OGV's compliance.

Some ships cheat intentionally and some have unintentional malfunctions that cause them to pollute .  
Re: unintentional malfunctions: the fact is that occasional unintended pollution happens. At the same time greater financial penalties are indicated to upgrade more and to implement smarter maintenance practices. Even excellent shipping companies occasionally experience malfunctions. For instance, last week, Maersk SEMBAGANG was fined \$22,000 for polluting in the port of Algeciras (Spain) as a fuel injection system broke.

Scrubbers have been shown to occasionally fail - and such failures are not immediately noticed and/or repairable.  
UAV plume inspections facilitate better monitoring of such unintended failures and provide motivation to OGV operators to pollute less.

The use of drones to target most likely violators of the California Sulfur rule also does away w/a potential hurdle to judicious enforcement.  
The fact is that ports of LA and Port of LB cannot guarantee access to CARB and/or SCAQMD inspectors to the terminals to conduct fuel sampling.  
Only the terminal operators can grant such access. As such - CARB enforcement activities are now limited by access to a terminal where an OGV docks (all inspections are now done randomly and at pier.)  
UAV based monitoring and targeting reduces the terminal operator's potentially restricting role in the inspection process - particularly since the terminal operator may be conflicted when all is said and done.

The experience to date w/aerial targeting w/UAV's equipped w/sensors has brought about a more cost-effective deployment of its inspectors (reportedly four times greater).

It is collaterally suggested that enhanced UAV aerial monitoring of OGV's dovetails nicely w/other SCAQMD AB 617 objectives

Via the AB 617 implementation process - it was noticed that SCAQMD also wishes to detect and reduce leaks from oil tankers.

See Under "Action 1: Reduce Leaks from Oil Tankers:

- Use optical gas imaging technology, air monitoring, and other available emissions information to identify potential fugitive emission leaks from oil tankers and conduct targeted enforcement of Rule 1142 - Marine Tank Vessel Operations
  - Evaluate opportunity to amend South Coast AQMD Rule 1142 to require marine vessels to calibrate and maintain pressure relief devices and require recordkeeping, with the goal of minimizing fugitive emission leaks"
- The same aerial monitoring systems used to detect compliance w/The California Sulfur Rule - w/minor sensor payload modifications - can be used to detect and quantify leaks from Oil Tankers.

17-1  
Cont.

Response to Comment Letter #17-1

CARB believes there is merit in pursuing aerial monitoring of noncompliant vessels as a potential compliance screening tool. Aerial monitoring in the European Union (EU) is used only as a screening tool to detect potentially non-compliant vessels and not as a direct method for enforcing fuel regulation. Sampling fuels on the vessels is the only way to determine whether a ship is compliant. This is true for both EU and California. Additionally, current remote sensing technology does not distinguish between Ultra Low Sulfur Fuel Oil (ULSFO), which is a heavy marine fuel oil, and low sulfur distillate fuels, such as marine gas oil (MGO)/marine diesel oil (MDO). EU and the rest of the world only require fuels that meet a certain sulfur level, whereas, CARB's Ocean-Going Vessels (OGV) Fuel Sulfur Regulation requires the use of distillate fuel. Until the remote sensing technology can distinguish between ultra-low sulfur fuel oil (ULSFO) and distillate fuels which both meet the 0.1% sulfur limits, the remote sensing technology has only limited value as an enforcement screening tool. Further, aerial monitoring technology would be more appealing if it included measurements of other pollutants such as PM, black carbon (BC), or NOx. Moreover, while SO<sub>2</sub> is an important pollutant to measure, other pollutant information would add more value.

At this point, we have no information that confirms whether 20-25% of the world's shipping vessels are currently in compliance with the new International Maritime Organization (IMO) fuel standard (0.5% sulfur) that will go into effect next year. We can confirm, however, that these rates do not apply to Regulated California Waters (RCW). CARB's compliance rates are much higher. CARB has published, most recently, in the Enforcement Division's 2018 annual report that the compliance rate for the OGV Fuel Sulfur Regulation is about 97-99%. This number is based on over 500 vessel inspections including fuels analysis. Although CARB agrees that the current penalty structure in the Health and Safety Code should be changed to allow for higher penalties, CARB still believes it has an effective enforcement program that acts as a deterrent. The compliance numbers show vessels are complying with CARB's regulation. There are many factors other than penalties, such as poor corporate image or negative publicity that can compel ship operators to comply with state law. CARB has been invited to four different countries to discuss CARB's enforcement program and provide training on the OGV inspection/enforcement process.

CARB uses aerial monitoring remote sensing for enforcement as follows:

- Screening tool to identify vessels that have fuel sulfur over 0.1% (which does not detect noncompliant ULSFO meeting the 0.1% sulfur standard)
- To assist the federal government (i.e., United States Coast Guard (USCG)) to screen vessels for Emission Control Area (ECA) compliance from 24 nautical miles to 200 nautical miles. Note: The federal government requires probable cause to board a ship and collect a fuel sample.

- To help CARB estimate compliance rates at the 24 nautical mile transition zone, especially on outbound vessels (which does not detect noncompliant ULSFO meeting the 0.1% sulfur standard)



Comment Letter #18: Christopher Chavez – Coalition for Clean Air

Comment Letter #18



August 6, 2019

Dr. William Burke and Board Members  
South Coast Air Quality Management District (SCAQMD)  
21865 Copley Drive  
Diamond Bar, CA 91765

**Re: Comments on AB 617 Community Emission Reduction Plans (CERP) for the  
Wilmington/West Long Beach/Carson (WWLBC) Community**

Dear Chair Burke and the SCAQMD Board Members,

The Coalition for Clean Air (CCA) is writing to provide comments regarding the draft CERP for the WWLBC community. Since its passage in 2017, CCA has been actively involved with the implementation of AB 617 (C. Garcia) at both the statewide and air district level. CCA staff has participated in most of the AB 617 meetings hosted by the California Air Resources Board (CARB) and SCAQMD. We acknowledge and appreciate some of our previous comments being addressed and incorporated into the WWLBC CERP, and are providing these comments to ensure a stronger, more effective emissions reduction plan.

- **The WWLBC CERP still lacks a direct health nexus and any projections or targets for reductions of toxic air contaminants.**

The Community Steering Committee (CSC) has been very clear in its request to see specific emission reduction targets that include a nexus with community health outcomes. Yet, the draft CERP continues to lack specific emissions reduction targets, let alone targets based on health outcomes. Rather, the draft CERP anticipates a 40-50 tons per year (tpy) reduction of oxides of nitrogen (NOx – a criteria pollutant rather than a toxic air contaminant) and a .5-.6 tpy reduction in particulate matter (PM). Even then, these anticipated reductions are estimates rather than targets, and provide little insight into reductions of toxic air contaminants.

Again, we point to the text of AB 617 and its mandate for emission reduction targets. Section 44391.2(c)(3) of the Health and Safety Code (HSC) states, “[T]he community emissions reduction programs shall be consistent with the state strategy and include emissions reduction targets, specific reduction measures, a schedule for the implementation of measures, and an enforcement plan.” For the CERP to not include specific emission reduction targets is inconsistent with both the spirit and letter of the law. As such, we urge SCAQMD to include specific toxic air contaminant emission reductions and a nexus to community health in the finalized CERP.

18-1

660 S. Figueroa Street, Suite 1140  
Los Angeles, California 90017  
(213) 223-6860

1107 Ninth Street, Suite 440  
Sacramento, California 95814  
(916) 527-8048

[www.ccair.org](http://www.ccair.org)



- To the greatest extent possible, proposed emission reductions should meet State Implementation Plan (SIP) creditable criteria (quantifiable, surplus, enforceable and permanent). However, reductions that don't meet these criteria (e.g., working with local agencies to rectify bad land use decisions) should not be excluded.

18-2

The emission reductions achieved by the CERP should be real, measurable, and verifiable. The closer they are to meeting the criteria for being SIP creditable, the more confidence the community will have in the effectiveness of the Community Air Protection program. "Paper" compliance threatens to undermine the effectiveness of the WWLBC CERP and reduce the benefit to the local communities. At the same time, we recognize that not every important reduction measure lends themselves to meeting these criteria. Other opportunities which are not as easily measured but still have a positive community-level impact should not be ignored.

- Phase out Modified Hydrofluoric Acid (MHF) at refineries

Eliminating the use of MHF is critically important to the CSC and the larger South Bay region. Only two refineries in California use MHF<sup>1</sup> and both jeopardize the WWLBC community: the Valero Wilmington Refinery (which is within the community) and the Torrance Refinery (which is approximately one mile from the community's western border). Industrial accidents such as the Torrance Refinery's 2015 explosion and December 2018 MHF leak, cyberterrorism and large seismic activity can result in a catastrophic release. Should a serious MHF release occur, hundreds of thousands of people could be at risk for serious injury or death.<sup>2</sup> The CERP should include a commitment to phasing out MHF, as well as anticipate potential emissions and economic impacts from the phase out and conversion process.

18-3

- The draft CERP needs to better define polluters' roles and responsibilities in implementation. Additionally, the draft CERP still has a heavy bias towards incentives over rulemaking and enforcement.

For AB 617 and the WWLBC CERP to be successful, all stakeholders need to be responsible for its implementation. Yet, the draft CERP assigns few implementation responsibilities to the polluters themselves. Specifically, refineries, warehouses and other truck magnets, oil and gas well owners, and railyards have no responsibilities assigned to

18-4

<sup>1</sup> *A proposal to ban a potentially lethal chemical might change – or close – 2 oil refineries in Southern California*, Daily Breeze (January 16, 2018), <https://www.dailybreeze.com/2018/01/16/a-proposal-to-ban-a-potentially-lethal-chemical-might-change-or-close-2-oil-refineries-in-southern-california-2/>.

<sup>2</sup> *Status Update on PR 1410 – Hydrogen Fluoride Storage and Use at Petroleum Refineries*, Presentation, South Coast Air Quality Management District (February 1, 2019), <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2019/2019-feb1-025.pdf?sfvrsn=6Link>, 14

them through the CERP. While the draft CERP does assign some responsibilities to the Ports, these responsibilities are vague and lack firm deadlines.

Additionally, the CERP continues to show a strong preference for incentives over tighter rules and greater enforcement. While incentives should be included as part of the final CERP, other strategies need prioritization. For example, creating strong Indirect Source Rules (ISRs), mandating on-site mitigation and requiring, rather than just incentivizing, zero-emissions port and railyard equipment are clear examples where tighter rules will yield measurable emissions reductions. Additionally, rules must be enforced to be effective. As such, SCAQMD should include tougher penalties as authorized in Section 9 of AB 617 and greater enforcement efforts as part of its overall strategy.

18-4  
Cont.

Lastly, the lack of a specific implementing agency or firm deadlines undercuts the effectiveness of incentive programs. Regarding Action 2 of Neighborhood Truck Traffic, "Reduce Emissions from Heavy-Duty Trucks," SCAQMD has again failed to establish measurable goals for reducing emissions from trucks. The first goal states the following, "Organize [insert number] of incentive outreach events per year and provide biannual updates to the CSC." SCAQMD should at least provide an anticipated number of outreach events it intends to conduct about incentive funding for trucks, instead of leaving this information blank for CSC members to fill in. At minimum (and considering the health impacts of trucks emissions and the necessity of meeting Clean Air Act goals for the South Coast Basin), SCAQMD should be providing at least monthly outreach events to trucking companies and truck drivers on incentive funding. Anything less would be irresponsible.

- **SCAQMD must meet the deadline for Best Available Retrofit Control Technology (BARCT) implementation, and BARCT's role in the CERP still needs clarification and expansion.**

In addition to implementing the Community Air Protection program and creating CERPs, AB 617 also directs air districts in nonattainment to expedite BARCT implementation. HSC §40920.6(c)(1) requires air districts in nonattainment for one or more major air pollutants to adopt an expedited schedule for BARCT implementation. Implementation of BARCT must be completed by the earliest feasible date but no later than December 31, 2023. SCAQMD has approved a schedule outlining 17 rule updates, the last of which is scheduled to be considered in 2022. We continue to urge SCAQMD to keep to this implementation schedule and begin requiring expedited compliance with the updated rules.

18-5

Additionally, the WWLBC draft CERP only briefly mentions BARCT in the context of refineries. However, AB 617's BARCT requirements were not intended to be focused on a specific industry or industrial operation; rather, it includes all sources covered by the state's Cap-and-Trade program and prioritizes the ones with the oldest emissions controls. As such, we again ask SCAQMD to provide more clarity of how BARCT will impact CERP implementation, which local emission sources will be covered by BARCT, and how BARCT will provide air quality improvements to AB 617 communities.

18-5  
Cont.

- **The draft CERP must be more aggressive in reducing emissions from the Ports, goods movement and drayage operations.**

The draft still provides too much flexibility to the Ports and lacks specific deliverables. Though the CERP does commit SCAQMD to supporting the development of several CARB rule changes, it does not commit the agency to publicly supporting these rules. At minimum, SCAQMD should make written and verbal comments in support of these rules when they are being contemplated by CARB to help secure stronger regulations to reduce port air pollution in the South Coast Basin and throughout the state.

Additionally, many of the port-related actions outlined in the draft CERP should be strengthened:

- With respect to Action 1, "Reduce Leaks from Oil Tankers," this action's responsibilities should include specific deliverables and dates for completion for the responsible agencies identified. Additionally, the CERP should include an effort to speed up oil tanker compliance with CARB's forth coming "at-berth" rule.
- Regarding Ports' Action 2: Reduce Emissions from Ships and Harbor Craft, as indicated in our prior comments, there is reference to a goal of an outreach event to "provide information about incentives." However, in the Implementing Agency section of that Action, no entity is assigned the responsibility of actually conducting the outreach to the appropriate parties regarding funding incentives. Please indicate who will take responsibility for this important aspect of outreach to relevant parties around the Ports.
- Regarding Action 1 of Neighborhood Truck Traffic, "Reduce Truck Idling," SCAQMD has completely failed to articulate a measurable goal for reducing truck idling in impacted communities surrounding the Ports. The "goal" states the following: "Conduct [X amount of] focused inspections and targeted sweeps within a [insert proposed timeframe]." This is completely vague and ambiguous, and also unacceptable as a SCAQMD statement at this late stage of the

18-6



Community Air Protection Actions development. We respectfully request that SCAQMD establish a meaningful and measurable goal for this Action and circulate it for CSC review and comment before making the CERP final.

18-6  
Cont.

- **The Memoranda of Understanding (MOU) being negotiated with the Ports should not merely duplicate the Clean Air Action Plan (CAAP) and instead close off any loopholes or offramps for missed commitments.**

18-7

The commitments made by the Ports of Los Angeles and Long Beach in their most recent CAAP are not enforceable by SCAQMD and may not be permanent. For example, some CAAP commitments are reliant on Port-sponsored feasibility studies and do not provide assurance that specific commitments will be met. Therefore, the CAAP commitments lack credibility and provide the community with little more than a basis for skepticism about the Ports' promises for a better, less polluted future. As such, we request the MOU with the Ports close off any loopholes or offramps that allow the Ports to escape their commitments to the community.

- **An Indirect Source Rule (ISR) targeting truck operations must be included as part of the WWLBC CERP's actions for addressing neighborhood truck traffic.** The "Neighborhood Truck Traffic" strategy in the draft CERP completely ignores the role of warehouses and other truck magnets in polluting the WWLBC community. Rather, the draft CERP refers only to education about incentives and the broader Facility-Based Mobile Source Measure (FBMSM), which is mostly focused on port and drayage operations. This is problematic, as the WWLBC community includes warehouses, fuel depots, chassis yards and fueling stations that attract trucks and truck-related emissions. While this is partially addressed through the WWLBC CERP's strategy of enforcing CARB's anti-idling rules, ISRs should also be included as an action for neighborhood truck traffic. ISRs are referenced in WWLBC's & ELABHWC "Railyards" strategies and are also included in the SBM CERP's strategy for "Neighborhood Truck Traffic."

18-8

Despite the glaring omission of ISR, we applaud SCAQMD for including our previous recommendation to re-route trucks away from sensitive receptors in the draft CERP. This action will help reduce sensitive receptors' exposure to localized toxic air contaminants from truck traffic.

- **SCAQMD should work with local governments to create a 2,500-foot buffer zone between new residential or sensitive land uses and oil and gas wells. Additionally, well owners need to be assigned responsibilities.**

The draft CERP still contains no language supporting the development of a buffer zone between oil and gas wells and new residential or sensitive land uses. SCAQMD should work with local governments to create a 2,500-foot buffer zone between residential or sensitive land uses and oil and gas operations. Additionally, the draft CERP fails to delegate any responsibility to well owners, such as ensuring proper maintenance.

18-9

- **More information on current efforts to reduce emissions from railyards is needed, and railroads still need responsibilities and deadlines assigned to them.**

The draft CERP still does not provide any information regarding the railyards' compliance with the second agreement in 2005 between CARB, BNSF and Union Pacific. This information should be provided to the CSC and a summary of what the railroads have done to comply with the second rule should be included in the CERP.

Further, there are still NO responsibilities assigned to the railroads themselves. Once the indirect source requirements are implemented, the railroads should have the responsibility of complying with the indirect source requirements themselves. Regarding Action 1 of Railyards, "Reduce Emissions from Railyards," and as stated in our prior comments, it makes no sense that the railroads themselves are not listed as one of the "Implementing Agency, Organization, Business or Other Entity" that will work to reduce emissions from railyards. Surely it cannot be beyond the power of SCAQMD to mention that BNSF and Union Pacific will have to be involved in any action or policy taken to reduce emissions at their associated railyards. The railroads are certainly aware that the CERP is being developed and that this goal is being included. Referencing the railroads themselves in the CERP as an implementing business entity is essential for this goal to be finalized.

18-10

Lastly, there is uncertainty as to if there will be an MOU or ISR for railyards. Throughout this process, SCAQMD staff has stated an MOU with the railyards was the preferred course of action. However, the draft CERP only references the ISR. While we strongly support a legally enforceable ISR than an MOU, SCAQMD's strategy in this regard is unclear. To this end, the CSC needs clarity as to if SCAQMD is going to pursue an MOU with the railyards or an ISR.

We appreciate the opportunity to submit and your consideration of our comments. CCA acknowledges and commends the thousands of staff-hours put into the implementation of AB 617, and understands this is a living, evolving process and document. However, the draft WWLBC CERP still needs much work and strengthening if it is going to live up to the promise of bringing cleaner, healthier air to California's most polluted, vulnerable communities.

18-10

Sincerely,



Christopher Chavez  
Deputy Policy Director  
Member (West Long Beach Resident), WWLBC AB 617 Community Steering Committee

#### Response to Comment Letter #18-1

See Response to Public Meeting Comment # 1-2 for updated emission reduction targets in the CERP for criteria air pollutants. Additionally, there are six actions that will reduce diesel particulate emissions from ships, harbor craft, port equipment, trucks, railyards and oil drilling and production sites. Also, there are five actions that target VOC emissions from refineries, oil wells, and oil tankers that will concurrently reduce other toxic air contaminant emissions such as benzene, toluene, ethylbenzene, and xylene. Please see Response to Public Meeting Comment 5-2 regarding health metrics.

Although it is not currently feasible to use health metrics and outcomes as tools for measuring the success of the CERP, health data has been a critical part of this process. South Coast AQMD used health data in the prioritization of communities for the implementation of community plans. Health data also influenced various policy decisions, including CARB's decision to focus on toxic air contaminants and PM2.5. The CERP will have positive impacts on public health, for example, by reducing DPM emissions, which is the primary contributor to air toxics cancer risk in the community. In addition, to bring further public health benefits to the community, the CERP includes actions to partner with local health organizations for direct public health interventions, such as asthma management programs. Similarly, the CERP includes actions to conduct school-based outreach to provide air quality information, such as the Clean Air Ranger Education (CARE) program. The CERP also includes collaborative efforts with local organizations to provide public information on how to receive air quality advisories and reduce exposure to air pollution. This type of outreach would be provided to schools, childcare centers, and made available at community events.

Finally, when CARB received comments asking it to include tracking of health indicators as part of AB 617, it did not agree that such tracking was appropriate. Instead, it too responded with information on the other ways that health data would be incorporated into the program. CARB declared: “Reducing emissions and improving air quality in overburdened communities will lessen the cumulative impacts that air pollution has on public health.” (See CARB Summary of Comments – Community Air Protection Program, <https://ww2.arb.ca.gov/summary-comments-community-air-protection-program>.)

Response to Comment Letter #18-2

Please see Response to Comment Letter #8-5.

Response to Comment Letter #18-3

See Response to Comment Letter #8-14.

Response to Comment Letter #18-4

Where possible, South Coast AQMD Staff identified the responsibility of facilities that are sources of emissions under the “Implementing agency, organization, business or other entity” section for each action. For example, Action 2 of Chapter 5b is to Conduct Refinery Air Measurements to identify and address VOC leaks and refineries and related facilities are assigned a specific responsibility. They include working with the South Coast AQMD staff to develop protocols (e.g., safety protocols) to conduct air monitoring (e.g., mobile air measurements) inside refineries and related plants, if fenceline or community air monitoring systems show ongoing elevated emission levels.

Regarding the comments on incentives and penalties, please see Response to Comment Letter #8-2. Regarding comments on outreach, please see Response to Comment 13-18.

Response to Comment Letter #18-5

Please see Response to Comment 8-3.

Response to Comment Letter #18-6

Please see Response to Comment 8-6, 8-7, 8-8, and 8-9.

Response to Comment Letter #18-7

Please see Response to Comment 8-12.

Response to Comment Letter #18-8

South Coast AQMD staff updated Action 2 of Chapter 5d in the CERP to include a measure to continue developing Facility Based Mobile Source Measures for warehouses.

Response to Comment Letter #18-9

See Response to Comment Letter #8-11.

Response to Comment Letter #18-10

Please see Response to Comment 8-13.

Comment Letter #19: Sylvia Arrendondo – Wilmington Active Resident

## Comment Letter #19



### Community Emission Reduction Plan (CERP) Comment Form

**AB617 Year 1 Community**  
Wilmington, Carson, West Long Beach

**AB617 Year 1 Community Code**  
WIL

**AB617 Doc Type**  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

#### Form Information

**Date Created**  
08/06/2019

**Time Created**  
7:53 PM

#### Commentor Contact Information

**Commenter's Name \***  
SYLVIA ARREDONDO

**Affiliation \***  
Active Resident

**Email Address \***

[REDACTED]

**Email Address Valid (Y/N)**  
Y



Comments (Unlimited Size) *	
Please excuse typos- typing on a small keyboard/ cell phone-. Thanks for your understanding im advance. The draft CERP continues to miss the mark on aming specific emission reduction actions to improve health outcomes in the WWCLB communities.	
5b. Refineries: - Business agencies, the refineries, need to be held to greater accountability so they should also be included in the implementing agency section across all actions. -Flaring needs to be addressed through the lens of cumulative impacts- multiple flare events in a week/ month from diferent refineries.. multiple small events add up.	19-1
5c.Ports: -Actions need direct emission reductions instead of relying on incentives. Incentives are also not defined in the draft document basically this draft would have us approve incentives without know what they are exactly.	19-2
5e. Oil drilling & Production: - Action to set a standard for human health and safety buffer at 2,500 ft. It's the job of SCAQMD to clean the air protect public heath. It is the job of SCAQMD to be biased towards protecting the health and safety of children, elders and other sensitive receptors by identifying innovative strategies.	19-3
5f. railyards: Rail agencies need to be held accountable and should be included in the section on implementing agenciae and in other sections of the Action.	19-4
5g. Schools, childcare, homes: Let's be clear. This action set is not a direct emmission reduction from polluters which is the spirit of Ab617. I understamd there are CSC members that believe this is within the scope of AB617, I maybe wrong, but SCQAMD staff should better advise on this action. I would hate for resources that can be better directed to reduce emmission at the source from Ab617 than used to reduce health impacts from emissions.	
However of these actions: Increasing green space doesn't go far enough, planting trees is not the only way to achieve green space. Include native garden pocket parks w native shade trees to also reduce the urban heat island effect. Programs and projects to transform sidewalks. - Any outreach events should be listed as 3 participation events: at least SCAQMD participates in 1 event in each of the communities. - Rebate programs for energy star products- air purifiers, they are not currently listed in rebate programs.. so including zipcodes in the WWCLB communities to the approved list.	19-5
Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)	
Archivos de comentarios sobre el CERP	
Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file)	
CERP Comment Files	
<p>Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.</p> <p>Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto</p> <p>For More Information Contact: ab617@aqmd.gov</p> <p>Para más información contáctese con: ab617@aqmd.gov</p>	

### Response to Comment Letter #19-1

Emission reduction targets have been identified and incorporated, where quantifiable, into Chapter 5a. The refineries and related plants have been included under the “Implementing Agency, Organization, Business or Other Entity” sections, where applicable, across the actions in Chapter 5b of the CERP. The refineries and related facilities’ responsibilities include participating in the rule development process. Chapter 5b, Action 3 has been included in the CERP to address refinery flaring emissions, specifically to further reduce flaring events. The manner in which flaring events will be addressed will be determined during the rule development process. Any

rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those subject to the rules and regulations.

Response to Comment Letter #19-2

As noted above in Response to Comment Letter #19-1, emission reductions resulting from actions in the CERP, where quantifiable, have been incorporated into Chapter 5a. The CERP uses a combination of strategies to reduce emissions, including regulations, air monitoring, enforcement, outreach and incentives. Incentives are provided for owners or operators that go above and beyond current requirements. South Coast AQMD administers incentive programs to replace older more polluting equipment with cleaner technology. South Coast AQMD staff expeditiously reviews applications and distributes incentive funds as quickly as possible. The actual number of and type of applications which will be received are not yet known; however, emissions reduction targets can be calculated for mobile source incentives, based on historical mobile source incentive data. As part of the process, applications are reviewed to ensure they meet incentive program funding guidelines and the most cost-effective projects are prioritized. Incentive projects funded will be provided in the annual progress reports, and also provided to the CSC as part of the periodic updates.

Response to Comment Letter #19-3

The CSC has prioritized addressing fugitive emissions from leaking wells, and the CERP includes actions to conduct air measurements to identify potential leaking wells. Additional air measurements can be made to quantify the distance of any impacts from leaking wells. South Coast AQMD commits to working with local city, county, and state agencies to determine if a buffer zone is feasible and to refer any future concerns regarding this matter to the respective authorities. Staff also recognizes that air quality is one of many considerations that can inform a buffer zone decision. Accordingly, The City of Los Angeles Office of Petroleum and Natural Gas Administration & Safety recently submitted a report with a recommendation to the Los Angeles City Council to outline the feasibility of a physical surface setback distance of 600 feet from sensitive receptors on existing oil and gas wells, associated production facilities, and drill sites. The report also recommends outlining the feasibility of a 1,500 foot setback from sensitive receptors on future oil and gas development. South Coast AQMD staff will continue to monitor the city's progress on this issue.

Response to Comment Letter #19-4

The railyards have been included under the "Implementing Agency, Organization, Business or Other Entity" section in the action in CERP Chapter 5f. The responsibilities listed for the railyards include participating in the rule development process for Indirect Source Rule (ISR) for railyards and working with South Coast AQMD to replace diesel-fueled equipment with cleaner technologies. Any rules and regulations adopted by the South Coast AQMD and CARB will be applicable to those subject to the rules and regulations.

Response to Comment Letter #19-5

South Coast AQMD staff has developed actions within the CERP to improve air quality as outlined in the CARB Blueprint, which emphasizes emission reductions, but also reducing exposure due to proximity to air pollution sources. A majority of the CERP, Chapters 5b to 5f, include actions to reduce emissions from the CSC's air quality priorities. Chapter 5g includes actions to reduce public exposure to the various sources of pollution because the CSC prioritized reducing exposure where children, senior, and sensitive populations spend time (e.g., hospitals, schools, etc.). The combination of reducing emissions and exposure from air pollution sources can help reduce the negative impacts of air pollution on the community. The language in Action 4 of Chapter 5g will be changed to include broader forms of green space expansion beyond tree planting. Sidewalk programs and projects are under the purview of the cities. Action 1 of Chapter 5g includes two public outreach events at schools or childcare centers on information relating to air quality and reducing exposure, in addition to collaborating with community-based organizations to engage in outreach meetings. These outreach events will be focused within the Wilmington, Carson, West Long Beach community. The Energy Star is a U.S. EPA program focused on improving energy efficiency. Rebates for this program are typically administered by the local utilities such as SoCalGas, Southern California Edison, and Los Angeles Department of Water and Power (LADWP). South Coast AQMD is uncertain as to whether air purifiers are available for rebates under the Energy Star Rebates program for zip codes within the Wilmington, Carson, West Long Beach community zip codes. Additional information on the Energy Star Rebates Program is available at: <https://www.energystar.gov/rebate-finder>. However, in Action 3, of Chapter 5g, residential air filtrations systems have been included as a part of the CERP.

Comment Letter #20: Priscilla Hamilton – Southern California Gas Company (SoCalGas)

Comment Letter #20



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company  
  
555 W. 5<sup>th</sup> Street  
Los Angeles, CA 90013  
(213) 244-8237  
PHamilton@semprautilities.com

July 15, 2019

Philip Fine, Ph.D.  
Deputy Executive Officer  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

**RE: Assembly Bill 617 (AB 617) Community Emission Reduction Plans (CERPs)**

Dear Dr. Fine,

Thank you for the opportunity to comment on the South Coast Air Quality Management District's (SCAQMD) AB 617 efforts. Southern California Gas Company (SoCalGas) has participated in numerous Community Steering Committees (CSCs) and would like to commend SCAQMD staff on moving this monumental effort forward. SoCalGas looks forward to working with and assisting SCAQMD in the future. To that end, SoCalGas would like to submit the following comments on AB 617 and the Community Emission Reduction Plans (CERPs).

**I. INCENTIVES**

Incentives are integral to achieving emission reductions from Class 7 and 8 Heavy-Duty trucks. However, there are not enough incentives available to turn over the number of trucks needed to meet state, regional, and community emission reduction goals. Therefore, incentives need to be used wisely and cost-effectively to achieve the greatest amount of emission reductions today.

**Scrappage programs should be used to maximize emission reductions**

The most effective approach to reducing emission reductions with incentives is to require scrappage. While it is important to get clean trucks into service, it is equally important to remove older, dirtier trucks operating in disadvantaged communities. Without removing a dirtier truck through scrappage, there is no way to ensure that truck will no longer operate in communities as the fleet expands. Scrapping trucks ensures that emission reductions will be maximized. Voucher programs with no scrappage requirements, such as the Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP), are also integral in moving the existing statewide fleet to alternative fuels, however, emission reductions in targeted areas should utilize scrappage programs to maximize emission reductions. SoCalGas recommends that incentive funding be prioritized for scrappage programs like Carl Moyer and Prop 1B.

20-1

**Funding technology advancement is contrary to the purpose of AB 617 – Current year incentives should be used for available technologies**

The purpose of AB 617 is to reduce emissions in disadvantaged communities within the five-year Community Emission Reduction Plan (CERP) time frame. While some have called for the use of incentives for demonstrations and pilots, this approach does not achieve the immediate emission reductions required by the AB 617 statute.<sup>1</sup> There are many other technology advancement programs locally and statewide that fund demonstrations and pilots for advancing technologies, such as the Low Carbon Transportation Pilots and Demonstrations, Zero and Near-Zero Emission Freight Facilities (ZANZEFF) and others. Those seeking funding for those types of projects should be directed to those programs. SoCalGas recommends that CERP incentives should focus solely on available technologies that can achieve tangible emission reductions.

20-2

**Incentives should prioritize technologies that can maximize emission reductions today**

Due to the current state of development, advanced technologies, such as battery electric class 7 and 8 trucks, have significant operating limitations, including but not limited to:

- **Range:** The California Air Resources Board (ARB) has stated that a technology is commercially available if it can be included in the HVIP eligibility list, as there is a robust process for a vehicle to be eligible for an HVIP voucher. Currently, there is only one Class 8 heavy-duty truck applicable for goods movement on the list. This truck has a maximum advertised range of 124 miles per charge. This is considerably less mileage than what the existing diesel fleet can achieve. This limited range also prohibits a one-to-one replacement of an older truck, limits how much a truck can be used, and thus limits its emission reduction potential.
- **Charging time:** Battery electric trucks can take several hours to charge. This is a significant operational difference between today's existing fleet, which requires only several minutes to refuel. Down time for charging will limit the hours a truck can be used in a day, which also limits its emission reduction potential.
- **Infrastructure availability:** The availability of infrastructure in the region is a major concern for battery electric technologies. While some may argue that charging stations can be slowly built out, there is a broader concern of finding land to accommodate charging and parking for these trucks. Due to charging, these trucks will be relegated to "return to base" operations and charging lots will need to be built nearby. In this case, it would be in or near an AB 617 community. AB 617 communities have stated various concerns with congestion and parking for trucks and placing charging lots in or near the communities would exacerbate the situation.

20-3

While these limitations may be overcome in the future, it is unrealistic to think that they will be resolved within the five-year CERP window. These limitations, and others, currently prevent battery electric technologies from doing all the things that the existing diesel fleet can do, therefore limiting the reductions that can be achieved. Natural gas trucks that meet ARB's

<sup>1</sup> See [https://leginfo.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180AB617](https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=201720180AB617)



Optional Low nitrogen oxides standard<sup>2</sup> (Low-NOx trucks) can achieve significant emission reductions and can operate just like its diesel counter parts. Low-NOx trucks have similar range, power, and fuel time. They have been thoroughly tested, are available today, and can truly be a one-to-one replacement for diesel trucks.

20-3  
Cont.

#### Emission Reduction Effectiveness

Low-NOx trucks are the most effective solution in reducing emissions from heavy duty trucking. If SCAQMD used \$100 million of \$107 million in AB 617 incentives for low-NOx trucks, the emissions impact between the number of battery electric trucks versus Low-NOx trucks would be staggering.

*What could \$100 million of incentives get?*

Technology	Incentive Amount	Number of Trucks
Battery Electric	*\$332,500 <sup>3</sup>	300
Low NOx	\$100,000 <sup>4</sup>	1,000

*\*not including the \$50,000 per charger needed, an additional \$15 million total*

As shown above, \$100 million of incentives would result in 300 battery electric trucks or 1,000 Low NOx Trucks. In scrappage programs, this would also result in removing 1,000 diesel trucks from disadvantaged communities when funding Low NOx Trucks, compared to just 300 when funding battery electric trucks.

20-4

Both zero-tailpipe technologies and alternative fuel technologies would eliminate diesel particulate matter. For NOx, if all units were deployed at the same time, 300 battery electric trucks would reduce NOx emissions by 738 tons over the five-year CERP life, while 1,000 Low NOx trucks deployed at the same time would reduce NOx emissions by 2,406 tons over the same period. The significant discrepancy in emission reductions is due to the large difference in the number of Low-NOx trucks that can be turned over with \$100 million and the limited range<sup>5</sup> of battery electric trucks which results in substantially more emission reductions for Low-NOx trucks. In addition to achieving more emission reductions, it is important to point out that investing incentives into Low-NOx Trucks also removes 700 more older trucks from public roads, which would otherwise continue to emit.

As shown below, the emission difference is substantial even though the same amount of incentives would be used in each scenario. To utilize incentives most effectively, SCAQMD

<sup>2</sup> 0.02 grams of NOx per brake horsepower hour

<sup>3</sup> Based on a \$350,000 truck and a 95% funding from the Carl Moyer Program

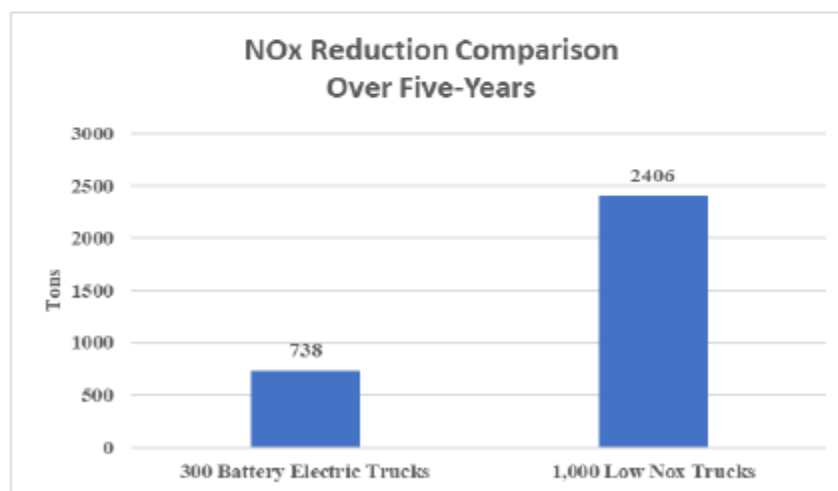
<sup>4</sup> Based on Prop 1B scrappage and comparable to current Carl Moyer Program

<sup>5</sup> Battery Electric annual mileage of 37,448 based on BYD T8 advertised range of 124 miles per day for 302 days per year), Low NOx truck annual mileage of 44,558 based on EMFAC 2014 T7POLA category.

must get as many clean trucks on the road as possible, remove as many dirty trucks as possible, and prioritize technologies that can be used in all applications.

NOx Emissions from 1,000 Trucks on the Road Today	
2,548 tons	
NOx Emission Reductions from Using \$100 million to replace with:	
Battery Electric (300 trucks)	738 tons
Low NOx (1,000 trucks)	2,406 tons
Remaining NOx emissions from Replacing Diesel Trucks	
Battery Electric (300 trucks)	1,721 (300 battery and 700 diesel trucks remain)
Low NOx (1,000 trucks)	53 (1,000 Low NOx and zero diesel trucks remain)

20-4  
Cont.



Page 5

## II. ENERGY EFFICIENCY TECHNOLOGY ADVANCEMENTS FOR AB 617 COMMUNITIES

Below are near-term technologies SoCalGas is working on that could improve energy efficiency in AB 617 communities and reduce the amount of fuel combusted for space and water heating.

### Gas-Fired Absorption Residential Heat Pump

SoCalGas has been working with Stone Mountain Technologies Inc. and the Gas technology Institute (GTI), to demonstrate a high-efficiency Gas-fired Absorption residential Heat Pump (GAHP) water heater with an Energy Factor >1.3, 11,000 Btu/hr output, and 60-80-gallon storage capacity. The GAHP is already certified by the SCAQMD and meets the 10 ng NOx/Joule regulation limit in Rule 1121. This would be a drop-in replacement for standard water heaters in existing homes.

20-5

### Residential Fuel Cell Units

SoCalGas has partnered with AQMD to demonstrate a Residential Fuel cell to be used in conjunction with solar arrays and battery storage. The solar and fuel cell will both have the ability to power the home directly while simultaneously charging the battery. The unit also has the ability to recover heat for water and/or space heating needs, which increases overall efficiency. This technology is widely used in Europe and can be an ideal solution for reducing emissions from combustion of natural gas for space and water heating in homes.

## III. Conclusion

SoCalGas appreciates your consideration of our comments. We look forward to working with staff and other stakeholders in future meetings. If you have any questions, please do not hesitate to contact me.

Sincerely,



Priscilla R. Hamilton  
Environmental Affairs Manager  
Southern California Gas Company

Cc:

JoKay Ghosh, Ph.D.  
Dan Garcia  
Dan McGivney  
Kevin Maggay  
Edith Moreno



Response to Comment Letter #20-1

The CERPs for all three Year 1 communities include actions to address emissions for neighborhood trucks. The CERP prioritizes zero-emission technologies, where commercially available and technologically feasible; and where zero-emissions technology are not available, equipment will be replaced with cleaner technology (i.e., near zero) through incentives to achieve much needed emission reductions sooner. While the South Coast AQMD is currently testing and evaluating a broad range of zero-emission capable heavy-duty trucks, including battery electric and fuel cell, the only commercially available technology is the near zero-emission (0.02 g/bhp-hr NOx) 9L and 12L engines for Class 7 and 8 trucks. Therefore, as is the case with all South Coast AQMD implemented incentive programs (e.g., Carl Moyer, Prop 1B), an emphasis on cost-effectiveness will continue to be placed to maximize emission reductions, providing local and regional air quality benefits. Scrapping requirements are an integral part of many current incentive programs to ensure that the emission reductions are real and permanent.

Response to Comment Letter #20-2

Incentives focus on currently available technologies, such as the near zero-emission (0.02 g/bhp-hr NOx) 9L and 12L engines for Class 7 and 8 trucks. The CSCs have prioritized zero-emission technology, where commercially available and technologically feasible, but which are not commercially available at this time for heavy-duty trucks. The development, demonstration, and commercialization of cleaner technologies helps to expedite cleaner technologies prioritized by the CSC. Current year AB 617 community incentives will be used for available technologies. South Coast AQMD is funding and/or cost-sharing various zero-emission capable, heavy-duty truck projects to ascertain performance and needs to varying duty cycles, including range, charging time, and infrastructure availability. As demonstration projects with truck original equipment manufacturers (OEMs) are completed, including Daimler Trucks of North America and Volvo Trucks, OEMs plan to incorporate any necessary design changes and implement these into more robust commercial projects, expected to be available at in small commercial scales in 2021. South Coast AQMD will consider providing incentives to these zero-emission trucks upon commercialization and meeting incentive guidelines.

Response to Comment Letter #20-3

The CERPs include actions to implement the technologies commercially available today and maximize the use of available incentive funds to ensure the greatest emission reductions. South Coast AQMD staff is working closely with CARB on lowering the heavy-duty engine standard in California and has petitioned the U.S. EPA to establish near zero-emission NOx truck standards for the nation.

Response to Comment Letter #20-4

South Coast AQMD is uncertain as to the cost estimates included in the comment, or the basis for incentive amounts, but as indicated in Responses to Comment 20-1 and 20-3, the CERPs include actions to implement the technologies commercially available today and maximize the use of the available incentive funds to ensure the greatest emission reductions, using cost-

effectiveness as one of the key criteria. For mobile source projects, the incentive funds are to be implemented consistent with Carl Moyer or Prop 1B guidelines.

Response to Comment Letter #20-5

Thank you for your comment on gas-fired absorption residential heat pumps and residential fuel cell units. AB 617 focuses on reducing emissions from the sources of pollution prioritized by the community. These air quality priorities include refineries, ports, neighborhood truck traffic, oil drilling and production, railyards, and exposure reduction at schools, childcare centers, and homes. South Coast AQMD appreciates SoCal Gas's effort to provide information on technology that improves energy efficiency.

Comment Letter #21: Alicia Rivera, et al – Communities for a Better Environment

Comment Letter #21

8/7/2019

CBE Updated Report Card AQMD AB617 Process, Draft CERP for Wilmington/Carson/W. Long Beach:

Also see Recommendations section below.

**Our general finding is that the District made progress and provided more data, but has still not committed to a single ton of emissions reductions in the Oil Refining or Oil Drilling sector, and has no overall plan with any metrics to reduce emissions over time to meet measured targets (in tons per day or tons per year).**

Instead, the District has committed to doing more a couple of rules on refinery flare and storage tanks, and add more enforcement of existing requirements for VOC leaks, but with no emission reduction target. These are important, but not nearly enough. Separately, AQMD is developing a refinery boiler and heater regulation to replace the existing RECLAIM program that is being sunsetted. But there is no commitment to go beyond the tons per day associated with the RECLAIM program, through AB617. This category includes large numbers of major polluters, and these have potential for larger emissions reductions. The District has agreed to later evaluate the possibility of tightening oil drilling operations (1148.1 and 1173 leaks), but again, with no specific reduction targets.

21-1

- ▶ This flaw is inconsistent with AB617's requirements. For example, AB617 states: "The community emissions reduction programs shall be consistent with the state strategy and include emissions reduction targets, specific reduction measures, a schedule for the implementation of measures, and an enforcement plan." (SEC. 8. Section 44391.2 4c3)
- ▶ The District appears not to acknowledge that AB617 requires emission reduction targets.

**POSITIVE:** Thumbs Up for the Air District's providing the set of emissions data separating out the emissions in Wilmington / Carson / W. Long Beach (WCWLB). (Chapter 3b) This data finally provides a view of local emissions that has been generally missing, and is an important step forward, even if some of the data might need to be updated.

This data highlights how important oil refinery emissions are:

- Your new data on the baseline emissions in Wilmington shows that, contrary to most communication, Oil Refinery emissions dominate many of the pollutants, and frequently are even bigger than the transportation sources, which are already huge.<sup>1</sup>
- For VOCs – in WCWLB, the petroleum refining industry is the largest VOC emitter (see p. 6). We don't even know if that includes the Fluxsense study results, which showed refineries had 6 times higher VOCs than reported to the emissions inventory.
- For NOX – Refineries and refinery-related sulfur recovery & hydrogen plants were listed as the second-largest contributors to NOx, after ocean going vessels. On-road transportation emissions, although large, are *smaller* than refinery NOx. These sources are all very large.
- For PM2.5 – Industrial and petrochemical processes were the largest sector. PM2.5 is deadly – it causes increased death rates for vulnerable populations, such as people in the hospital. The District has identified diesel particulate matter from trucks as the main driver of *cancer* rates (because diesel

21-2

<sup>1</sup> SCAQMD, Wilmington, West Long Beach, Carson - Community Emissions Reduction Plan, Chapter 3b-Community Profile – Source Attribution, <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>

particulate is a potent carcinogen). However, separately, PM<sub>2.5</sub> levels are *also* associated with other *acute* health impacts, including increasing death rates for vulnerable populations. With the oil refineries and other industrial sources showing as the largest emissions source of PM<sub>2.5</sub> in this sector, we again see the importance of achieving oil refinery emissions reductions.

- Also note that oil refinery emissions are projected to stay the same through 2029 in your data (excerpted at the end of this document from Appendix 3b), except for a small reduction of 3 tons per year of VOCs from existing requirements. (Note that AQMD explained on 8/6/2019 in our phone conversation regarding the inventory, that this does not include further regulation on refineries since 2016. However AQMD also agreed that there no large emission reduction regulations for refineries have been adopted since 2016, so the projection for 2029 remains relevant. These are the emissions we can expect, unless the District adopts substantial new measures.)

21-2  
Cont.

#### OTHER POSITIVES:

- We appreciate that the District responded to the community by expanding the boundaries after the District had initially excluded the Phillips Wilmington refinery.
- We appreciate that the District's facilitation improved. Meetings at first were very chaotic, but late mostly improved substantially.
- We appreciate that the District added a commitment to re-visit the Refinery Storage Tank regulation in the most recent draft.

21-3

NEGATIVES: Unfortunately, there are also some big negatives. There is no plan with emissions reduction targets to substantially reduce emissions from the baseline provided from all sectors. We focus here on Oil Refineries:

- There is no year to year emission reduction plan, no plan to *substantially* reduce Oil Refinery emissions, and not even a commitment to reduce emissions by any amount.
- The District has argued that it does not yet have the data to commit to specific reductions, and that will happen in rulemaking.
- But AB617 promised communities and requires achieving actual emissions reductions. This situation is similar to Clean Air Act proceedings. Under the CAA, first a plan is developed, emissions reduction targets are identified, the measures the District expects will meet these targets are listed, and later these regulations are adopted, even though the District does not have all the details of the regulation ahead of time.
- Even if the District needs to later develop more details, it can still have a goal to reduce Oil Refinery emissions by, for example, a certain percentage per year.
- We need metrics – specific numbers for emissions reduction plans. The rate of emissions reduction can be discussed, but right now, there is no commitment.
- In addition to numeric emission reduction goals, we need enough regulations in the plan to meet that goal.
- Ultimately, there will be no way to completely address the impacts of the largest concentration of fossil fuels on the West Coast, without the District acknowledging that we will also need to phase out fossil fuels over time (in addition to conventional regulation to reduce emissions).

21-4

21-5

**Recommendations:**

- As required by AB617, the District needs to develop specific emissions reduction targets to address the unfair burdens of heavy oil refinery, oil drilling, transportation, ports, and other emissions in WCWLB
- Identify sufficient regulatory measures to meet those requirements.
- Commit to specific emissions reductions goals overall for oil refineries, and specific targets for the regulations identified in the CERP, including flares, storage tanks, VOC leak detection, oil drilling operations, and more.
- Let us know if the refinery VOC emissions do not reflect the findings of the Fluxsense study. If they do not, please update the VOC (and benzene) emissions inventory to reflect that oil refineries have 6 times the emissions, as shown by the Fluxsense study.
- Please provide the emissions separately for each oil refinery for 2017, 2024, and 2029.
- Add to the list of Oil Refinery regulations to be developed, a requirement for wet scrubbers on oil refinery FCC Units (fluid cat crackers). This would reduce PM2.5 from oil refineries, which are major emissions sources, as your inventory highlighted.
- Commit to increased reductions from refinery Boilers and Heaters under AB617, going beyond replacing tons per day associated with RECLAIM.
- The District should explicitly support the development of a 2500 ft buffer zone for oil drilling operations under consideration at the City of LA.
- Provide additional data on air toxics, including BTEX (Benzene, Toluene, Ethylbenzene, Xylene), and other air toxics.
- Support a phaseout within 4 years of MHF through Rule 1410.
- See our previous comments with more detail on the above.

21-6

See attached excerpts from AQMD Chapter 3b, projecting that refinery emissions do not go down by 2029.



2017 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach											
ODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Fuel Combustion											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.22	0.21	0.11	1.18	0.00	0.18	0.12	0.07	2.43	0.00
30	Oil and Gas Production (combustion)	32.48	3.98	21.63	28.87	0.33	2.55	2.51	2.50	4.87	0.80
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	39.31
50	Manufacturing and Industrial	410.63	75.64	207.17	312.24	4.00	22.89	22.65	22.48	28.24	6.94
52	Food and Agricultural Processing	0.09	0.04	0.91	0.24	0.00	0.05	0.05	0.05	0.13	0.00
60	Service and Commercial	151.79	49.44	101.22	179.72	8.57	24.97	24.87	24.84	42.89	1.68
99	Other (Fuel Combustion)	666.32	117.45	37.81	152.53	0.66	126.25	124.22	122.62	150.03	0.16
Total Fuel Combustion		1909.14	463.08	371.39	1339.50	13.71	474.05	460.76	454.05	364.74	48.89
2024 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach											
CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Fuel Combustion											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.24	0.23	0.12	1.30	0.00	0.20	0.14	0.08	2.67	0.00
30	Oil and Gas Production (combustion)	33.86	4.15	22.55	30.11	0.35	2.65	2.62	2.60	5.08	0.84
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	39.31
50	Manufacturing and Industrial	378.22	74.71	199.56	313.59	4.23	22.31	22.06	21.88	26.93	6.78
52	Food and Agricultural Processing	0.10	0.04	0.93	0.26	0.00	0.06	0.06	0.06	0.14	0.00
60	Service and Commercial	150.94	47.52	98.04	177.12	9.94	26.05	25.95	25.91	41.27	1.59
99	Other (Fuel Combustion)	669.26	119.56	33.67	154.30	0.67	128.78	126.64	124.94	154.30	0.15
Total Fuel Combustion		1880.22	462.51	357.39	1341.39	15.35	477.21	463.81	456.95	366.57	48.67
2029 Annual Average Emissions by Source Category in Wilmington, Carson, West Long Beach											
CODE	Source Category	TOG	VOC	NOx	CO	SOx	TSP	PM10	PM2.5	NH3	Pb
		(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(tons/year)	(lbs/year)
Fuel Combustion											
10	Electric Utilities	0.10	0.01	0.00	0.12	0.01	0.02	0.02	0.02	0.08	0.00
20	Cogeneration	0.24	0.23	0.12	1.31	0.00	0.20	0.14	0.08	2.70	0.00
30	Oil and Gas Production (combustion)	34.00	4.17	22.65	30.24	0.35	2.66	2.62	2.61	5.11	0.84
40	Petroleum Refining (Combustion)	647.51	216.30	2.53	664.59	0.15	297.14	286.32	281.47	136.09	39.31
50	Manufacturing and Industrial	366.09	74.39	197.75	314.14	4.31	22.08	21.84	21.66	26.44	6.71
52	Food and Agricultural Processing	0.10	0.05	0.95	0.27	0.00	0.06	0.06	0.06	0.14	0.00
60	Service and Commercial	149.42	46.79	97.90	176.15	10.42	26.17	26.06	26.02	40.77	1.56
99	Other (Fuel Combustion)	670.46	120.43	33.90	155.26	0.67	129.69	127.52	125.78	155.79	0.16
Total Fuel Combustion		1867.91	462.36	355.79	1342.08	15.91	478.02	464.58	457.70	367.12	48.58

2017

Petroleum Production and Marketing										
310 Oil and Gas Production	500.02	209.31	0.83	2.13	7.28	10.05	6.14	5.59	6.13	0.00
320 Petroleum Refining	1022.27	718.86	80.31	280.13	47.80	490.49	332.92	223.23	11.02	6.09
330 Petroleum Marketing	1661.15	251.48	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399 Other (Petroleum Production and Marketing)	3.10	2.47	0.98	1.78	0.01	0.01	0.01	0.01	0.00	0.00
<b>Total Petroleum Production and Marketing</b>	<b>3186.53</b>	<b>1182.12</b>	<b>82.12</b>	<b>284.04</b>	<b>55.09</b>	<b>500.57</b>	<b>339.09</b>	<b>228.84</b>	<b>17.18</b>	<b>6.09</b>

2024

Petroleum Production and Marketing										
310 Oil and Gas Production	521.38	218.25	0.87	2.23	7.59	10.06	6.14	5.59	6.75	0.00
320 Petroleum Refining	1017.85	715.28	80.31	280.13	47.80	490.51	332.93	223.24	11.02	6.09
330 Petroleum Marketing	1520.08	222.92	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399 Other (Petroleum Production and Marketing)	3.45	2.73	0.99	1.79	0.01	0.01	0.01	0.01	0.00	0.00
<b>Total Petroleum Production and Marketing</b>	<b>3062.76</b>	<b>1159.19</b>	<b>82.17</b>	<b>284.14</b>	<b>55.40</b>	<b>500.59</b>	<b>339.10</b>	<b>228.86</b>	<b>17.79</b>	<b>6.09</b>

2029

Petroleum Production and Marketing										
310 Oil and Gas Production	523.94	219.35	0.87	2.23	7.63	10.06	6.14	5.59	6.80	0.00
320 Petroleum Refining	1017.86	715.29	80.31	280.13	47.80	490.52	332.94	223.25	11.02	6.09
330 Petroleum Marketing	1471.94	205.50	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.00
399 Other (Petroleum Production and Marketing)	3.38	2.82	1.00	1.79	0.01	0.01	0.01	0.01	0.00	0.00
<b>Total Petroleum Production and Marketing</b>	<b>3017.32</b>	<b>1142.97</b>	<b>82.18</b>	<b>284.14</b>	<b>55.44</b>	<b>500.61</b>	<b>339.11</b>	<b>228.87</b>	<b>17.85</b>	<b>6.09</b>

#### Response to Comment Letter #21-1

See Response to Public Meeting Comment # 1-2, Response to Comment Letter #12-7 and Response to Comment Letters 12-10 through 12-15.

#### Response to Comment Letter #21-2

Thank you for your comment.

#### Response to Comment Letter #21-3

Thank you for your comment.

#### Response to Comment Letter #21-4

See Response to Public Meeting Comment # 1-2, Response to Comment Letter #12-7 and Response to Comment Letters 12-10 through 12-15.

#### Response to Comment Letter #21-5

South Coast AQMD acknowledges the impact of fossil fuels and supports zero-emission technology when it is technologically feasible and commercially available. Staff believes a phase-out of fossil fuels needs to be coordinated with a number of state agencies, including the Public Utilities Commission, the California Energy Commission, and CARB. State law (SB 100, 2018)

already calls for a phase out of fossil fuels (zero-carbon goal) in the electricity generating sector by 2045 through the coordinated action of these state agencies. Please see Response to Comment 1-2 regarding the request to phase out fossil fuels.

Response to Comment Letter #21-6

CBE's concerns have been addressed in the previous two letters received from this organization. Regarding air toxics, staff will provide updates on air monitoring efforts, including updates on air toxics (e.g., benzene, toluene, etc.) measurements.



Comment Letter #22: Bridget McCann – Western States Petroleum Association (WSPA)



**Bridget McCann**  
Manager, Technical and Regulatory Affairs

August 6, 2019

Dr. Philip Fine  
Deputy Executive Officer, Planning and Rules  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

sent via email: [pfine@aqmd.gov](mailto:pfine@aqmd.gov)

**Re: AB617 Draft Community Emission Reduction Plan (CERP) for  
Wilmington, Carson & West Long Beach (WCWLB)**

Dear Dr. Fine,

Western States Petroleum Association (WSPA) appreciates the opportunity to participate in South Coast Air Quality Management District's (SCAQMD or District) AB617 Community Steering Committee meetings for the Wilmington, Carson, West Long Beach (WCWLB) community. WSPA is a non-profit trade association representing companies that explore for, produce, refine, transport and market petroleum, petroleum products, natural gas and other energy supplies in five western states including California. WSPA has been an active participant in air quality planning issues for over 30 years. WSPA-member companies operate petroleum refineries and other facilities in the South Coast Air Basin. Some of these facilities are located within the WCWLB community boundary.

The District recently released "draft" versions of select CERP chapters for the WCWLB community area. These sections included proposed actions to reduce air pollution emissions or exposures for a number of stationary source and/or mobile source categories.<sup>1</sup> District Staff workshopped some of these draft CERP chapters at the WCWLB Community Steering Committee on July 11, 2019.<sup>2</sup> Other changes to the draft have been posted online after July 11. WSPA offers the following comments specifically on draft Chapter 5b - Refineries.<sup>3</sup>

1. CERP Section 5b needs to detail the comprehensive degree of existing and proposed District rules already focused on refinery sector sources.

As with the prior "discussion draft" version of CERP Section 5b, Refineries, the current draft version identifies flaring events and refinery process equipment as priorities identified in the WCWLB Steering Committee meetings. The draft section also notes that "ongoing rule development and air monitoring efforts by the District will help address some of these air quality

<sup>1</sup> SCAQMD, Draft, Community Emissions Reduction Plan (CERP) for the Wilmington, Carson & West Long Beach Community, July 2019, posted at <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm/cerp>.

<sup>2</sup> CSC meeting presentations are available at <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/wilm>.

<sup>3</sup> CERP Draft, Section 5b – Refineries, June 2019.

August 6, 2019  
Page 2

priorities” in the WCWLB community,<sup>4</sup> and cites the following Best Available Retrofit Control Technology (BARCT) rules:

- Rule 1118, Control of Emissions from Refinery Flares
- Rule 1180, Refinery Fenceline and Community Air Monitoring
- Proposed Rule 1109.1, Refinery Equipment

22-1

As noted in our prior comment letter, these facilities are already among the most heavily regulated industrial operations in the country (if not the world) and are already subject to a large number of other air quality rules and regulations which are enforced by the District, the California Air Resources Board (CARB), and the U.S. Environmental Protection Agency (USEPA). Chapter 5b should be revised to detail the comprehensive level of existing regulation to better inform the Steering Committee and other community stakeholders.

**2. The Draft CERP, inclusive of information presented to the Technical Advisory Group (TAG), does not support emission control measures beyond those found in existing or proposed rules and regulations.**

The AB617 statute and associated Community Air Pollution Protection Blueprint specify a number of requirements for Community Emissions Reduction Programs (CERPs).<sup>5</sup> Among the required elements is a source attribution analysis which estimates the relative contribution of emissions sources (or categories of sources) to elevated air pollution exposures in the community. The District recently presented a draft source attribution analysis to its AB617 TAG.<sup>6</sup> Notably, most of the information presented in the draft technical document is regional data—not focused on the WCWLB community. The report discusses the various source attribution methodologies identified by CARB in the Blueprint guidance and notes the following:

*“Amongst the five technical approaches, South Coast AQMD used (1) inventory ratios and (2) air quality modeling for the South Coast Air Basin developed for the Multiple Air Toxics Exposure Studies (MATES IV), (South Coast AQMD, 2015) described in Section 2.2, with a heavier focus on developing detailed emissions inventories for the three first-year communities....”<sup>7</sup>*

22-2

The District subsequently presented community-specific emissions inventory information to the TAG<sup>8</sup> which has now been appended to the draft CERP.<sup>9</sup> This inventory information clearly suggests that refineries represent a very small contribution (i.e., 2%) to exposure levels in the WCWLB community, which when complete source attribution is completed by SCAQMD staff (hopefully next year), actual exposure may be found to be less. Given this information, the draft CERP lacks technical foundation for suggesting refinery focused control measures beyond those found in existing or proposed rules.

<sup>4</sup> CERP Draft, Section 5b – Refineries, June 2019. See page 5-3.

<sup>5</sup> CARB, Community Air Protection Blueprint, Appendix C, Criteria for Community Emission Reduction Programs.

<sup>6</sup> SCAQMD, Draft Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), Draft Version 071719, July 2019.

<sup>7</sup> Draft Methodology for Source Attribution Analyses, page 6.

<sup>8</sup> SCAQMD presentation to AB617 TAG, July 18, 2019.

<sup>9</sup> CERP Draft, Appendix 3b, July 2019.

August 6, 2019  
Page 3

The draft also fails to fully assess all existing and available measures for reducing emissions from contributing sources or source categories including, but not limited to, Best Available Control Technology (BACT), BARCT, or Best Available Control Technology for Toxic Air Contaminants (T-BARCT), or how those measures in existing or proposed rules would reduce potential future air pollution exposures in the AB617 community area. Such a demonstration is required for the CERP.<sup>10</sup> We would request that the District explain to the Steering Committee what potential additional emission reductions might be expected for the rules identified in Section 5b, and how that would compare to the overall estimated future health risks from air quality in the community. Given the relatively small contribution to exposure levels in the WCWLB community,<sup>11</sup> the benefit of any reductions from these proposed actions is also likely to be relatively small.

22-3

**3. Any future changes to District BARCT rules (e.g., Rule 1118, Rule 1178) must be based upon the consideration of specified criteria pursuant the California Health & Safety Code.**

The California Health & Safety Code authorizes the District to establish Best Available Retrofit Control Technology (BARCT) requirements based upon the consideration of specified criteria. This includes a demonstration that any new or amended BARCT requirements are both technically feasible and cost effective.

The draft version of CERP Section 5b, Refineries, suggests that the District may require methods to reduce refinery flaring emissions through amendments to Rule 1118.<sup>12</sup> The current version of District Rule 1118, which was just amended in 2017, harmonized current Rule 1118 with USEPA's flare standards in the national Refinery Sector Rule and included significant new prohibitions on certain types of flaring.<sup>13</sup> The current version of Rule 1118 also required the facilities to prepare an engineering "scoping document" that evaluates the feasibility of minimizing (or avoiding) planned and unplanned flaring events. The outcome of those engineering demonstrations will inform what additional control measures, if any, may be technically feasible under the rule.

22-4

The draft suggests a reduction target for refinery flare emissions under Action 3; a suggestion which lacks any technical basis. Any future amendments to Rule 1118 will need to conform with applicable BARCT criteria, including a demonstration of technical feasibility. Thus, proposed Action 3 should be revised to describe the current Rule 1118 scoping document process and explain to the Steering Committee how that engineering process will inform any future amendments to Rule 1118. Additionally, the arbitrary reduction target should be removed from proposed Action 3 as it is without any technical basis.

**4. Proposed Action 4 should be revised to note that it would be contingent on future findings from proposed Action 2, and any future changes to Rule 1178 would also need to be based on specified BARCT criteria. Certain mobile monitoring techniques may not be cost effective when compared to other optical technologies.**

22-5

With respect to the prospective use of mobile monitoring (i.e., proposed Action 2),<sup>14</sup> we generally agree that mobile monitoring might be useful for enhanced leak detection and repair (LDAR)

<sup>10</sup> CARB, Community Air Protection Blueprint, Appendix C, Criteria for Community Emission Reduction Programs.

<sup>11</sup> SCAQMD Presentation to the TAG, July 18, 2019, see slides 32 and 33.

<sup>12</sup> CERP Draft, Section 5b – Refineries, July 2019. See page 5-6.

<sup>13</sup> SCAQMD, Draft Staff Report for Proposed Amended Rule 1118 – Control of Emissions from Refinery Flares, July 2017.

<sup>14</sup> CERP Discussion Draft, Section 5b – Refineries, June 2019. See page 5-4.

August 6, 2019  
Page 4

activities. The same can also be said for certain handheld optical monitoring techniques (e.g., forward looking infra-red). We again note that some mobile monitoring platforms are based on monitoring technologies/methodologies which have not been reviewed and/or approved by USEPA for regulatory purposes. So, while such mobile monitoring platforms might be used for enhanced LDAR purposes the information is not suitable for enforcement and may not be useful as a basis for rulemaking.

WSPA has previously highlighted various technical issues with the solar occultation flux (SOF) methodology. Those issues raise significant questions about the ability of that technique to provide meaningful or accurate emissions estimates. A summary of those concerns was presented in the attached letter (see Attachment 1). To our knowledge, these technical concerns have not been resolved, so emissions representations using the methodology may not be meaningful.

22-5  
cont.

As for technologies that might be considered for enhanced LDAR purposes, cost effectiveness will be an important consideration. There are a number of optical remote sensing technologies which in theory could be used for leak detection purposes. The District would need to demonstrate that one or some of these actually enhance LDAR program performance compared to current techniques. BARCT rules must also consider cost effectiveness, so it will be important that any future amendments to Rule 1178 (proposed Action 4) consider comparative cost effectiveness of any technologies thought to provide quantifiable benefits. At this point, it is not clear if any of the additional options would actually enhance LDAR program performance to a quantifiable degree, let alone in a cost effective manner.

WSPA appreciates the opportunity to provide these comments. We look forward to continued discussion of this important planning process. If you have any questions, please contact me at (310) 808-2146 or via e-mail at [bridget@wspa.org](mailto:bridget@wspa.org).

Sincerely,



Cc: Wayne Natri  
Dr. Jo Kay Ghosh  
Daniel Garcia  
Tom Umenhofer  
Patty Senecal





**Western States Petroleum Association**  
Credible Solutions • Responsive Service • Since 1907

Patty Senecal  
Director, Southern California Region

4 November 2016

Via Email: [MMiyasato@aqmd.gov](mailto:MMiyasato@aqmd.gov)

Dr. Matt Miyasato  
Deputy Executive Officer  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

Re: Additional Comments on Draft Optical Remote Sensing Report from FluxSense

Dear Dr. Miyasato:

Western States Petroleum Association (WSPA) is a non-profit trade association representing companies that explore for, produce, refine, transport and market petroleum, petroleum products, natural gas and other energy supplies in California, Arizona, Nevada, Oregon, and Washington. WSPA-member companies operate petroleum refineries and other facilities in the South Coast Air Basin that will potentially be affected by the information presented in the draft Reports from FluxSense, Inc.

WSPA and its members appreciate the October 6<sup>th</sup> workshop organized by your team with FluxSense. The additional information provided by the FluxSense representatives concerning their technical methodology was very helpful as we continue working to understand the technology's capabilities and limitations.

As you know, FluxSense uses two mobile remote gas sensing techniques, Solar Occultation Flux (SOF) and Mobile SkyDOAS (Differential Optical Absorption Spectroscopy) to estimate facility-wide mass emission fluxes of volatile organic compounds (VOCs), sulfur dioxide (SO<sub>2</sub>) and nitrogen dioxide (NO<sub>2</sub>). These mobile remote gas sensing techniques are complemented by two mobile extractive optical methods, MeFTIR (Mobile extractive Fourier Transform Infrared Spectroscopy) and MWDOAS (Mobile White cell DOAS) to characterize ground-level concentrations of alkanes, methane and aromatic VOCs and to calculate "inferred fluxes."<sup>1</sup>

After reviewing FluxSense's workshop presentation<sup>2</sup> and the responses provided to WSPA's comments on the FluxSense Draft Report,<sup>3</sup> we still have several important concerns over the "inferred fluxes"

<sup>1</sup> FluxSense ("FluxSense Draft Report"), *Emission Measurements of VOCs, NO<sub>2</sub> and SO<sub>2</sub> from the refineries in the South Coast Air Basin using Solar Occultation Flux and other Optical Remote Sensing Methods*, Final Draft Report, 31 October 2016, page 2 et seq.

<sup>2</sup> Johan Mellqvist and Marianne Ericsson, FluxSense Inc ("FluxSense Presentation"), *Data Collection and Interpretation Workshop: Solar Occultation Flux and Other Optical Remote Sensing Techniques to Fully Characterize and Quantify Fugitive Emissions from Refineries in the South Coast Air Basin*, 6 October 2016.

which have not been addressed. And we continue to have significant technical and policy concerns over how those inferred fluxes are being presented as annual emissions, along with the authors' suggestions that their estimates are somehow more accurate than annual emissions estimates prepared in accordance with approved methodologies from the USEPA and the South Coast Air Quality Management District (AQMD).

1. We appreciate that the report qualifies data for certain chemical species as "inferred fluxes." Since inferred fluxes are not directly measured values, the information may be of limited technical usefulness.

The FluxSense Draft Report now reports certain information as "inferred fluxes," including the data presented for benzene, BTEX (i.e., Benzene, Toluene, Ethylbenzene and Xylenes), and methane (CH<sub>4</sub>). That qualification is important for all pollutants where the technology is incapable of direct measurement. Significant care must be taken before drawing conclusions based on such inferred flux data since these are not direct measurements and are subject to important technical limitations.

2. The VOC estimates presented by FluxSense are also "inferred fluxes."

The "inferred" qualification must also be applied to VOCs since this criteria pollutant cannot be directly measured using the SOF technology. Significant care must be taken before drawing conclusions based on such inferred flux data since these are not direct measurements and are subject to important technical limitations.

3. The FluxSense methodology does not measure NO<sub>x</sub> flux, so any comparisons in the FluxSense Draft Report to the facilities' reported actual NO<sub>x</sub> emissions data are semi-quantitative at best.

In the South Coast AQMD, refinery NO<sub>x</sub> emissions are among the most closely monitored air pollutant emissions. Major NO<sub>x</sub> sources at these facilities are regulated under Regulation XX – Regional Clean Air Incentives Market (RECLAIM). Specifically for NO<sub>x</sub>, Rule 2012 provides the requirements for monitoring NO<sub>x</sub> and sets very stringent guidelines to ensure the accuracy of the reported data. Rule 2012 requires NO<sub>x</sub> measurements be taken using Continuous Emissions Monitoring Systems (CEMS) or an equivalently accurate method.<sup>4</sup> Further the rule requires that the system calibrations be checked daily and be within 5% accuracy based upon the span range value.<sup>5</sup> In addition to the daily checks, Rule 2012 requires semiannual Relative Accuracy Test Audits (RATA) where a third party testing company compares the measurements made by their own independent system to those recorded by the facility CEMS. In order to pass the RATA, the relative accuracy of the pollutant concentration monitor and the mass emission rate measurement system must be less than or equal to 20%.<sup>6</sup> In short, these NO<sub>x</sub> CEMS, which directly measure NO<sub>x</sub> by converting any NO<sub>2</sub> to NO and analyzing the resultant stream, are understood to result in reported NO<sub>x</sub> emissions with a very high level of accuracy.

<sup>3</sup> Johan Mellqvist and Marianne Ericsson, *FluxSense Response to comments from WSPA/ERM on the Project 1 Draft Report*, 2 August 2016.

<sup>4</sup> SCAQMD, *Rule 2012. Requirements For Monitoring, Reporting, And Recordkeeping for Oxides of Nitrogen (NO<sub>x</sub>) Emissions*, 6 May 2005, Page 2.

<sup>5</sup> SCAQMD, *Rule 2012 Protocol – Attachment C – Quality Assurance and Quality Control Procedures*, 4 December 2015, Page 6.

<sup>6</sup> *Ibid.*, page 9.

In the Final Draft Report, FluxSense makes certain representations concerning the facilities' annual NO<sub>x</sub> emissions even though the SkyDOAS methodology is only able to directly measure NO<sub>2</sub>. More specifically, the Final Draft Report compares SkyDOAS-derived NO<sub>2</sub>-only estimates to the facilities' annual NO<sub>x</sub> emissions which are primarily derived from RECLAIM CEMS. This comparison, which is presented as a "Discrepancy Factor (Measured/Reported)," is then used to suggest the SkyDOAS methodology can estimate annual NO<sub>x</sub> emissions with some precision (i.e., the Discrepancy Factors are presented to suggest a close correlation between reported NO<sub>x</sub> emissions and SkyDOAS-derived NO<sub>2</sub> data). But for reasons outlined below, this comparison is flawed and the results are at best semi-quantitative.

#### 4. The NO<sub>2</sub> fluxes presented in the FluxSense Draft Report are very likely overstated.

It is generally accepted that natural gas combustion sources exhibit NO<sub>2</sub>/NO<sub>x</sub> ratios between 10% and 20% at the stack.<sup>7</sup> FluxSense quotes a single study to suggest that 80% of NO<sub>x</sub> is converted to NO<sub>2</sub> by the time it reaches fence line<sup>8</sup> and that assumption is then used to support the comparison of FluxSense NO<sub>2</sub> data with facilities' reported NO<sub>x</sub> emissions. But that assumption is flawed.

Ambient NO-to-NO<sub>2</sub> conversion has been shown to be a function of ambient ozone concentrations, not just residence time. During FluxSense's 2015 surveys in the Carson/Wilmington area, ambient ozone concentrations during the survey hours ranged between 25 and 43 parts per billion (ppb), with an average concentration of approximately 36 ppb.<sup>9</sup> According to the literature, the maximum NO<sub>2</sub>/NO<sub>x</sub> ratio at these ozone levels would be expected in the 50-65% range.<sup>10</sup> At those lower ratios, the measurements using the SkyDOAS methodology would be overstating facility NO<sub>x</sub> flux by 54-100%. This is significantly higher than the error suggested in the report, and the NO<sub>2</sub> fluxes presented in the report do nothing to validate the method's accuracy for other pollutants.

#### 5. VOC fluxes presented in FluxSense's draft report are very likely overestimated due to assumptions which overstate wind speeds affecting VOC containing plumes.

SOF and Mobile SkyDOAS were used to measure the total mass of molecules along the roads traveled, but those data have to be multiplied by a wind speed to compute a mass flux. For the 2015 survey, FluxSense relied on wind data from a stationary remote sensing wind-LIDAR providing vertical wind profiles. The reported wind-LIDAR data starts at 50 meters above ground surface (AGS). As presented at the workshop, FluxSense contends that wind speeds measured by the wind-LIDAR show little differentiation with elevation. On that basis, (inferred) VOC fluxes were calculated using wind speeds at heights ranging from 239 to 835 meters depending on the facility.<sup>11</sup>

<sup>7</sup> USEPA, NO<sub>2</sub> In-Stack Ratio Database, available at [https://www3.epa.gov/scram001/no2\\_isr\\_database.htm](https://www3.epa.gov/scram001/no2_isr_database.htm).

<sup>8</sup> FluxSense Presentation, Slide 68.

<sup>9</sup> ERM analysis of ozone data from Port of Long Beach (POLB) Inner Harbor monitoring station during the FluxSense survey days/times presented in FluxSense Report Table 6. POLB ozone data available at <http://www.cleanairactionplan.org/results/real-time-air-quality/>.

<sup>10</sup> [NO<sub>2</sub>]:[NO<sub>x</sub>] from Janssen Method (Figure 1) at Environment Agency, *Review of Methods for NO to NO<sub>2</sub> Conversion in Plumes at Short Ranges*, Science Report: SC030171/SR2, November 2007.

<sup>11</sup> FluxSense Presentation, see slides 79-81.



FluxSense also presented technical information on vertical plume mixing to support their wind speed choices. While this material may be fitting for thermally-buoyant combustion source plumes, we believe that basis is inappropriate for characterizing plumes from fugitive VOC sources. Fugitive VOC sources (e.g., tanks, valves, etc.) are different than plumes from combustion sources. Combustion sources are typically exhausted from elevated stacks at elevated temperatures (e.g., > 250 F). On the other hand, fugitive sources typically emanate from near-ground heights without the thermal or mechanical properties to drive vertical mixing. In fact, this lower plume height phenomenon was actually observed by National Physical Laboratory (NPL) in their study for AQMD.<sup>12</sup> The DIAL technology used by NPL actually affords the ability to directly map the height and concentration of VOC plumes. And for the refinery tank farm surveyed by NPL, the fugitive VOC plumes were observed to be at heights lower than 50 meters AGS.<sup>13</sup>

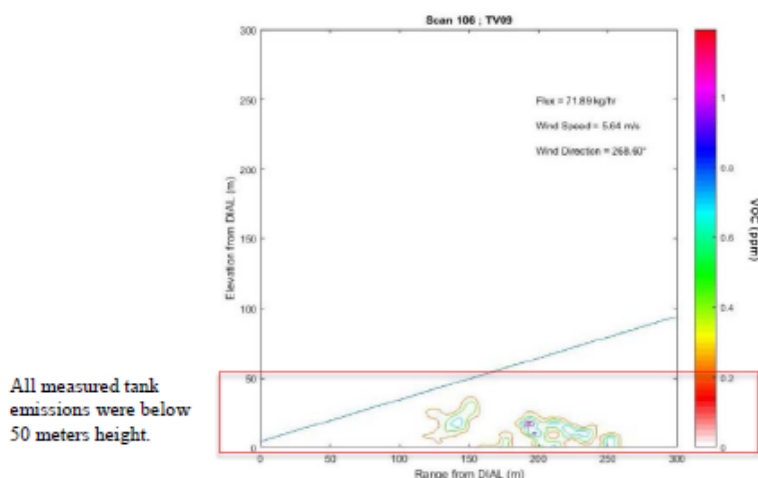


Figure 4.14a1 Observed VOC concentration for Scan 106 representing TV09/LOS1.

Source: NPL Report. Annotation by ERM for WSPA.

This is important, because wind speeds below 50 meters are considerably less than those which were measured above 50 meters using wind-LIDAR. For example, on one of the study days the wind-LIDAR wind speed aloft was over 13 mph, while the ground-level (i.e., 10 meters AGS) wind speed was averaging about 7 mph.<sup>14</sup> Since the inferred fluxes are directly proportional to assumed wind speed, such elevated wind speed assumptions could be overstating VOC fluxes by nearly 100%.

**6. The inferred VOC fluxes presented in FluxSense's Draft Report rely on ground-level BTEX measurements which may result in overstated VOC emissions.**

<sup>12</sup> National Physical Laboratory (NPL Report), Differential Absorption LIDAR (DIAL) Quantification of Benzene and VOC Fugitive Emissions from a Refinery Tank Farm in Los Angeles, USA, September – October 2015.

<sup>13</sup> NPL Report, see Figure 4.1.a1, Figure 4.9.a1, and Figure 4.14a1.

<sup>14</sup> ERM analysis, comparison of wind-LIDAR wind speeds presented in FluxSense Presentation (Slide 79) to wind data from POLB Inner Harbor monitoring station on 16 September 2015.



According to the data presented by FluxSense, while the SOF method has reasonable cross-sensitivity to alkanes (70-87%) the technology's cross-sensitivity to non-alkane organics is poor. This includes alkenes (only 5-15%) and aromatics such as BTEX (only 5-16%). In the case of benzene, the reported cross-sensitivity was actually 0%.<sup>15</sup> To compensate for this shortcoming, MeFTIR and MWDOAS are used to measure ground-level concentrations of alkanes and aromatic VOCs. Those ground-level alkanes/aromatics ratios are then used to "infer" BTEX fluxes at the higher elevations.

$$\begin{aligned} \text{Emissions } X &= [\text{concentration of } X / \text{concentration of alkanes}]_{\text{FTIR}} * (\text{emission of alkanes})_{\text{SOF}} \\ \text{Where } X &= \text{BTEX, CH}_4 \text{ or N}_2\text{O}^{16} \end{aligned}$$

In short, the method assumes that pollutant ratios will be constant so ground-level pollutant ratios are representative of pollutant ratios aloft (i.e., all the way to sun). But as explained above, plumes from fugitive VOC sources (e.g., tanks, valves, etc.) are likely found at lower heights. Any plumes at higher heights that may contain alkanes may not be compositionally similar to fugitive VOC plumes found at lower heights. Combustion source plumes (likely to be found at higher heights) do contain alkanes, but the benzene/alkane ratio from these sources would normally be significantly less.

For example:

External Combustion, Natural Gas:	Benzene/Alkanes ratio = 0.00019 <sup>17</sup>
Fugitive VOC, Liquid Service:	Benzene/Alkanes ratio = 0.001 <sup>18</sup>

Per these references, the benzene/alkanes ratio for a fugitive VOC plume would be 400% higher than the expected benzene/alkanes ratio of a combustion source's plume. Just the same, the "inferred flux" calculation would estimate benzene (and VOC) concentration of the thermally buoyant plume area as being the same as the near ground-level benzene/alkanes ratio.

#### 7. The reliance on ground-level BTEX ratios likely significantly overstates BTEX and benzene fluxes for plumes at higher heights.

For similar reasons, the reliance on ground-level BTEX/alkanes and benzene/alkanes ratios likely is causing significant overstatement for the inferred BTEX and benzene fluxes. These inferred fluxes are not direct measurements and are subject to critical technical limitations. The method's overly simplistic assumptions concerning plume wind speeds are likely causing significant overstatement for fugitive VOC-containing plumes at lower heights. And the method relies on ground-level benzene/alkanes and BTEX/alkanes ratios to characterize benzene and BTEX levels in higher-height plumes. For combustion source plumes, such an assumption would cause significantly overstated results.

<sup>15</sup> FluxSense Presentation, see slide 37.

<sup>16</sup> FluxSense Presentation, see slide 15.

<sup>17</sup> USEPA, *AP-42 Section 1.4 External Combustion, Natural Gas*, Table 1.4-2 and 1.4-3. Ratio of benzene and alkanes emission factors.

<sup>18</sup> CARB, *Identification of Volatile Organic Compound Species Profiles*, ARB Speciation Manual, Second Edition, August 1991. Ratio of benzene to alkanes emission factors from Oil & Gas liquid service.

Given the significance of the method's inherent errors, we would caution against drawing any conclusions from the BTEX or benzene inferred fluxes presented in the Report and any representations of annual quantities should be removed.

**8. The controlled release study did nothing to address these technical shortcomings related to inferred flux values for VOC, benzene, BTEX or NO<sub>x</sub>.**

In September 2015, the District oversaw a controlled release experiment for the purpose of validating field measurements from different optical remote sensing techniques. While a report has yet to be released for this experiment, AQMD Staff have made several public presentations overviews the experiment.<sup>19</sup> As we understand the scope, the study involved the controlled release of non-odorized propane at various emission rates with each release rate lasting about one hour. Propane is an alkane compound.

Without commenting on any other aspect of the study design, this controlled release study design did nothing to address the technical issues related to inferred fluxes presented by FluxSense for VOC, benzene, BTEX or NO<sub>x</sub>. The SOF is able to directly measure alkane concentrations (like propane), so one would certainly expect performance with this compound to be reasonable especially since the location and timing of the release also known (only the release rate was unknown). But VOC (the non-alkane fraction), benzene, BTEX and NO<sub>x</sub> are not directly measured by the SOF-based methodology. So the controlled release study did not validate field measurements for these compounds.

**9. In summary, the inferred flux estimates presented in the FluxSense Revised Draft Report are not useful for characterizing emissions for VOC, benzene, BTEX or NO<sub>x</sub>.**

We have highlighted several fundamental technical problems which compromise the inferred flux values presented in the Revised Draft Report. These inferred flux data, which are not direct pollutant measurements, appear significantly overstated and offer highly questionable accuracy. In the above example, the NO<sub>x</sub> inferred fluxes presented in the Report are likely overstating actual facility NO<sub>x</sub> flux by 54-100%. So while the report presented NO<sub>x</sub> inferred fluxes in an attempt to demonstrate the method's accuracy for other pollutants, it doesn't quantify NO<sub>x</sub> with reasonable accuracy. And the method's inherent error relative for non-alkane organics is more problematic. The Report notes the technology's cross-sensitivity to non-alkane organics is poor, so direct measurement of concentration or mass flux is not possible for these pollutants. And the simplistic assumptions introduced for this shortcoming are themselves flawed. As a result, the VOC, benzene and BTEX inferred fluxes presented in the Report are overstated; by perhaps an order of magnitude.

**10. Attempts to characterize annual emissions values from short-term observations are fundamentally flawed; such values are semi-quantitative at best.**

WSPA agrees that the various optical remote sensing (ORS) methods (e.g., SOF, DIAL, etc.) being tested by AQMD may have utility for remote sensing of emissions, but there are significant unresolved problems concerning attempts to extrapolate short-term observations from limited study periods to estimate annual emissions. These extrapolations still have not been demonstrated as accurate or

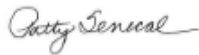
<sup>19</sup> SCAQMD, Presentation: Controlled Release Experiment to Validate Field Measurements from Different Optical Remote Sensing Techniques, 19 October 2016.

meaningful. For techniques which can directly measure pollutant concentrations, a long term study would be necessary to demonstrate the use of such ORS data for estimating annual emissions with some reasonable accuracy. While WSPA understands that FluxSense may be retained by SCAQMD to conduct seasonal monitoring under an USEPA grant, we strongly recommend that any study making a representation of annual emissions should be a full 12 months in length.

We strongly recommend that the FluxSense Draft Report be revised to exclude all representations concerning estimated annual emissions and/or statements comparing such extrapolations to emissions reported by the facilities using regulatory approved reporting methods. We further recommend similar revisions to any statements regarding estimated annual emissions in the draft NPL and Atmosfir reports.

If you have any questions, please contact me at (310) 808-2144 or by email at [patty@wspa.org](mailto:patty@wspa.org).

Sincerely,



cc: Dr. Laki Tisopulos, SCAQMD  
Andrea Polidori, SCAQMD

Response to Comment 22-1:

Please see Response to Comment Letter #14-1.

Response to Comment 22-2:

AB 617 focuses on reducing toxic air contaminants and criteria pollutants in communities affected by a high cumulative exposure burden (Sec. Cal. Health and Safety Code, § 44391.2 (b)). Emissions from petroleum refineries contribute a significant portion of the total emissions in the Wilmington, Carson, West Long Beach community. The VOC, NOx and SOx emissions from the refineries account for 17%, 21% and 65%, respectively, of the community total emissions. The emission reduction goals in the CERP are to reduce these levels by 50%. The overall estimated reduction in emissions from petroleum refineries are 1,095 to 1,460 tpy of NOx, 11 tpy of SOx and 1 tpy of VOCs. These emission reduction goals are subject to future assessments and regulatory analyses as stated in the CERP.

The Actions in the CERP reduce emissions from sources prioritized by the Wilmington, Carson, West Long Beach CSC. Aside from petroleum refineries the CERP also includes actions to reduce emissions from ports, railyards, trucks, and oil drilling and production. These non-refinery Actions contribute to 100% of the DPM emission reductions and over 50% of the NOx emission reduction estimates for the CERP.

Response to Comment 22-3:

As part of the BARCT process, the following South Coast AQMD Rules will be evaluated or have been evaluated: 1109.1, 1110.2, 1117, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2, 1147, 1147.1, and 1147.2. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities has not been finalized. For each rule, a BARCT assessment must be completed which takes into consideration other technologies or limits by other entities.

The estimated emission reductions from the *Actions* that require rulemaking in the CERP are summarized in the table below. The VOC emission reductions that result from these Actions may reduce localized health risk impacts from refinery emissions since certain VOC's (e.g., benzene) contribute to these impacts.

Title of Action	Timeline <sup>8</sup>	Implementing Entity	Emission Reductions Targets (tpy) <sup>9</sup>		
			NOx	SOx	VOC
Initiate Rule Development to Amend Rule 1118 – Control of Emissions from Refinery Flare	beginning 2020	South Coast AQMD	19	11	1
Initiate Rule Development to Amend Rule 1178 -Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities	beginning 2021	South Coast AQMD	N/A	N/A	TBD
Achieve Further Reductions from Refinery Equipment through Adoption of Rule 1109.1 – Refinery Equipment	beginning 2019	South Coast AQMD	1,095 to 1,460	N/A	N/A
Evaluate the Feasibility to Amend Rule 1148 and Rule 1173 to Reduce Emissions and Require Additional Monitoring	beginning 2020	South Coast AQMD	N/A	N/A	TBD

#### Response to Comment 22-4:

Rule 1118 required facilities to submit a Scoping Document 12 months after the rule was adopted. The Scoping Document evaluates the feasibility of minimizing or avoiding planned and unplanned flaring events. Rule 1118 requires that the scoping document include:

- An analysis of two alternatives to reduce Planned Flaring Events for each of three annual performance targets (0.10, 0.05, and 0.01 or lower tons of SOx per million barrels of crude processing capacity, and 0.1 tons of VOC per year from clean service flares),
- An analysis of the potential controls, technical feasibility, approximate cost, and timing constraints to implementing each of these alternatives as soon as feasible,
- An analysis of how a facility can reduce emissions from Unplanned Flare Events caused by four scenarios: 1) a sudden influx of vent gas into the flare gas header, 2) a sudden loss of the process unit with the highest fuel gas consumption rate of recovered flare gas, 3) a sudden loss of all externally generated electrical power, 4) a sudden loss of internally generated electrical power, and

<sup>8</sup>Please refer to Chapters 5b and 5e for details on the timeline for each action

<sup>9</sup>Emission reduction targets that are TBD will be determined upon implementation of the action and based on available information, such as, air monitoring data gathered from the Wilmington, Carson, West Long Beach Community Air Monitoring Plan

- A description of the components of the flare system.

Per the Course of Action provided for Action 3 in Chapter 5b, the information from the Scoping Documents provided by facilities along with other information will be considered during rule development to amend Rule 1118

Response to Comment 22-5:

Staff have previously responded to these concerns from WSPA and look forward to continuing our efforts and discussion on the topic.



Comment Letter #23: Alicia Rivera, et al – Communities for a Better Environment  
**Comment Letter #23**

From CBE 8/13/2019

**Summary needed for SCAQMD WCWLB AB617 Refinery Emission Reductions**

Community members including CBE have previously proposed these and other measures, and have asked AQMD for a comprehensive plan with substantial tons per day or tons per year reductions for Oil Refineries. Community members have asked AQMD to provide emissions reductions requirements that go beyond enforcing existing regulations, and beyond monitoring. We have also asked AQMD to identify additional oil refinery emission reduction measures, so this should not be considered comprehensive. **All of these need a target deadline, in addition to target emission reductions.** Below includes written & oral comments previously proposed to District.

	What's in the Plan / What's Missing?	Can District Provide?	
Refineries -- total emissions reductions	<ul style="list-style-type: none"> <li>District listed refineries as the largest VOC source, the 2<sup>nd</sup> largest NOx source, and with other industrial sources, the largest PM2.5 source. We need a plan with commitments for substantial reductions.</li> <li><u>Add overall Refinery Emission Reduction Target, such as percent per year over 10 years</u> (for each criteria pollutant, plus toxics including benzene and for other priority toxics)</li> </ul>		23-1
Refinery inventory	<ul style="list-style-type: none"> <li>Need emissions baseline for each separate oil refinery (including separate inventories for each of Phillips 66 Wilmington &amp; Carson, and each of Marathon Wilmington &amp; Carson). Staff responded to Jesse Marquez that he could look these up, but he requested these be provided in the plan for all community members to have; CBE agrees.</li> <li>Need Refinery VOC emissions clarification – Do VOCs in baseline inventory for Oil Refineries include the Fluxsense results, which showed VOCs on average 6 times higher for Oil Refineries?</li> <li>Need Refinery benzene emissions clarification – Do benzene emissions page 10 of Source Attribution Chapter 3b include Fluxsense results, showing benzene on average 43 times higher than inventory, and other charts showing benzene? (What is the total for benzene on that page? Unclear from chart – appears to be 768 lbs/year – weighted by Air Toxics Risk for comparison to DPM (Diesel Particulate matter).</li> </ul>		23-2
Flares	<ul style="list-style-type: none"> <li>Plan includes new flaring notification improvements</li> <li>Goal to reduce flaring 50% (good, maybe can do better)</li> <li>District has offered to turn this into an emission reduction target (we are looking forward to this)</li> </ul>		23-3

From CBE 8/13/2019			
	<ul style="list-style-type: none"> <li>(CBE previously submitted more detailed comments.)</li> </ul>		23-3 Cont.
Refinery Boilers & Heaters	<ul style="list-style-type: none"> <li>Provide community with inventory of Refinery Boilers &amp; Heaters at each refinery, date built, date modified, pollution controls, CEMs, emissions, whether these are being evaluated for BARCT / BACT update</li> <li>Assessment of emissions reductions potential if all boilers &amp; heaters met BACT</li> <li>Currently is outside of AB617 plan – only referred to as RECLAIM replacement</li> <li>We have asked to go beyond RECLAIM replacement, since each refinery has dozens of these units which operate almost continuously, and many are old</li> <li>Need Commitment to regulation for additional tons per day of reductions beyond RECLAIM as part of AB617 plan, with Emission Reduction Target range</li> </ul>		23-4
FCC unit Wet Scrubbers	<ul style="list-style-type: none"> <li>FCCUs are major PM sources + other major pollutants.</li> <li>AQMD allowed Tesoro to voluntarily shut down old FCC &amp; use credits for most pollutants (except CO) to expand other parts of the refinery.</li> <li>AQMD inventory found Oil Refineries &amp; other industries largest source of PM2.5 in WCWLB, so FCCU updates are an obvious area for a regulation.</li> <li>CARB also direct BAAQMD to start a regulation this year.</li> <li>Need Commitment to regulation, and Emission Reduction Target range.</li> </ul>		23-5



From CBE 8/13/2019

Refinery Storage Tanks	<ul style="list-style-type: none"> <li>• Provide community with inventory of Refinery Storage Tanks for each refinery, volume, size, throughput, materials stored, type, those with domes, vapor controls, vapor pressure limits, heating, location, etc.</li> <li>• AQMD added to the plan that it will later consider updating the Storage Tank regulation</li> <li>• This is not a clear commitment – we ask for a clear commitment to tighten this regulation, especially since the Fluxsense study authors found Storage Tanks likely source for greatly increased VOCs &amp; benzene found</li> <li>• Need Emission Reduction Target range. May combine this measure with VOC leak detection target.</li> <li>• Also need clarification – Marathon claimed already offloading from ships faster, but we were told they have no Title V permit yet for new storage tanks.</li> </ul>	23-6
VOC Leak Detection	<ul style="list-style-type: none"> <li>• We request a report on the sources responsible for the added emissions found by the Fluxsense study of 6 times the VOCs &amp; 43 times the benzene on average for refineries. Identify failures of EPA Tanks Model to accurately identify emissions.</li> <li>• Fix emission inventory to reflect the increased emissions</li> <li>• Eliminate added emissions found by the Fluxsense study</li> <li>• Need Emission Reduction Target range. May combine this measure with VOC leak detection target.</li> </ul>	23-7
Crude Oil Characterization	<ul style="list-style-type: none"> <li>• Collect inventory of Crude Oils for refinery in District, including monthly volume, geographic origin, transport method (ship, pipeline, rail, truck), API gravity, sulfur percent, TAN, metals content, and other characteristics, including for both Domestic and Foreign crude oils.</li> <li>• District currently argues this information is confidential (we disagree), but at minimum, District can collect the data itself.</li> <li>• Begin by providing the public with monthly and annual total volumes and characteristics in aggregate.</li> </ul>	23-8
BARCT / BACT	<ul style="list-style-type: none"> <li>• Update from AQMD on progress on meeting BARCT by 2023, and which sources it considers highest priority under Cap &amp; Trade</li> </ul>	23-9
MHF	<ul style="list-style-type: none"> <li>• Phaseout MHF within 4 years</li> </ul>	23-10

From CBE 8/13/2019

	<ul style="list-style-type: none"> <li>Clarification - when will District publish a draftR regulation, as directed by the Board?</li> <li>Has District evaluated the community proposed MHF regulation which was based on the 1991 rule?</li> </ul>		23-10 Cont.
Stop Refinery Expansions	<ul style="list-style-type: none"> <li>Stop Oil Refineries expansions in WCWLB</li> </ul>		23-11
Long Term fossil fuel phaseout plan	<ul style="list-style-type: none"> <li>Acknowledge in the plan that it will be necessary in the long term to phase out fossil fuels, in order to eliminate local criteria and toxic emissions from oil refineries, drilling operations, and transportation source emissions in Wilmington / Carson / W. Long Beach</li> </ul>		23-12

+ Remove Methane exemption

#### Response to Comment 23-1

Chapter 5a now contains information about the CERP refinery emission reduction goals for the Wilmington, Carson, West Long Beach community by 2030, which are as follows:

Pollutant(s)	Minimum Emission Reduction Goal by 2030 (or earlier if feasible)*	Actions and Notes
NOx	50%	Reductions primarily from Rule 1109.1 amendments, but flaring reductions from 1118 will also contribute
VOCs (and associated air toxics such as benzene)	50%	Applies to fugitive emissions, flaring, and unidentified leaks. Baseline emissions to be assessed by advanced air monitoring techniques The progress identified as the ratio of these baseline measurements to future ones will use the same methods. Emission reductions will be achieved through amendments to Rules 1178, 1118, and/or 1173, including more rapid leak detection and response

Pollutant(s)	Minimum Emission Reduction Goal by 2030 (or earlier if feasible)*	Actions and Notes
		enabled by advanced air measurements
SOx	50%	Applies to flaring emissions (Rule 1118). SOx RECLAIM program re-assessment may also contribute to additional reductions

\*The NOx emission reduction goals are consistent with the estimated emission reductions from refinery facilities in the Wilmington, Carson, West Long Beach community based on the 2016 AQMP measure CMB-05. NOx, SOx and VOC emission reduction goals are subject to future assessments and regulatory analyses.

#### Response to Comment 23-2

Appendix 5b now contains emissions data for each refinery located in the Wilmington, Carson, West Long Beach community.

The current VOC and benzene inventories do not include the results from the Fluxsense study as these results are not sufficient to determine new inventories. However, in Response to Public Meeting Comment # 1-2, *Action 2* of Chapter 5b is to conduct refinery monitoring to identify and address VOC leaks. This action includes:

- Establishing a 2020 emissions baseline for fugitive VOCs from all refineries in the Wilmington, Carson, West Long Beach community, and
- Working with the CSC to perform an assessment to determine the feasibility of reducing fugitive VOC emissions from refineries below the 2020 baseline emission levels by 25% beginning in 2024, and 50% beginning in 2030

#### Response to Comment 23-3

Staff has included an emission reduction target for Action 3 of Chapter 5b. Staff has calculated that the proposed 50% emission reduction goal in NOx, SOx, and VOCs would equate to approximately 19 tpy, 11 tpy, and 1 tpy of emission reductions. These emission reduction goals are subject to future assessments and regulatory analyses. The South Coast AQMD will work with stakeholders to perform an assessment to determine the feasibility of reducing fugitive VOC emissions. The goal is a 50% reduction; however, actual reductions may be higher or lower depending on baseline emissions, pollution control technologies, early leak detection techniques using various technologies, and any other new or innovative approaches identified through the assessment process.

#### Response to Comment 23-4

The inventory of boilers and heaters is provided in Appendix 5b, for the refineries in the Wilmington, Carson, West Long Beach community. The appendix table includes information about the equipment size, CEMS, primary fuel type, NOx and PM emissions, NOx controls, and whether they are subject to BARCT. Action 5 of Chapter 5b adds rule development for Proposed Rule (PR) 1109.1 to the CERP. The NOx reductions from Chapter 5b, Action 5 includes the goal to achieve an overall 50% NOx emission reduction target (approximately 3 to 4 tons per day (tpd) or 1,095 to 1,460 tpy).

See Response to Comment 12-10 and 12-11.

Response to Comment 23-5

Please see Response to Public Meeting Comment # 1-2.

Response to Comment 23-6

Chapter 5b, Action 4 includes a commitment to evaluate the results of the air measurements conducted within Action 2 that includes evaluating the feasibility of improving leak detection and repair programs using Smart LDAR. Within this rule development process, staff will provide the CSC with an inventory of refinery storage tanks for each applicable refinery within the community and conduct mobile air monitoring and follow-up investigations to gather necessary data to determine any potential amendments to Rule 1178. Although the Fluxsense emissions information is not a currently acceptable method to use for enforcement actions, air monitoring data can support enforcement staff's efforts to identify sources of emissions for these types of equipment. Many of the emissions from refinery storage tanks would be fugitive emissions, for which we are unable to establish a baseline at this time. This measure seeks to reduce VOC emission reductions 25% by 2024 and 50% by 2030.

Response to Comment 23-7

Chapter 5b, Action 2 describes actions by the Fluxsense mobile unit to conduct measurements of refineries to identify potential sources. There is current no established methodology to adjust the emissions inventory. Staff, however, agrees that reducing fugitive VOC emissions from refineries is important. Therefore, Action 2 in Chapter 5b describes the actions that will be taken to establish a fugitive VOC baseline in 2020 using air monitoring and measurement data, and working to achieve a 50% reduction in VOC emissions from this baseline.

Response to Comment 23-8

Please see response to comment 12-13.

Response to Comment 23-9

Staff can provide an update on South Coast AQMD's progress on meeting BARCT. Staff will work with the CSC to determine how often the CSC would like to request BARCT updates from the South Coast AQMD. In addition, the South Coast AQMD does provide a quarterly report to its Stationary Source Committee on the status of NOx BARCT rules for the RECLAIM transition.

Response to Comment 23-10

Please see Response to Comment 8-14 and 18-3.

Response to Comment 23-11

Please see Response to Comment 12-14.

Response to Comment 23-12

Staff did not explicitly acknowledge that a phase out of fossil fuels would eliminate local criteria and toxic emissions, since some air pollutants, such as hexavalent chromium, are the result of production processes which could potentially continue even without the burning of fossil fuels. Staff's position is that a phase-out of fossil fuels needs to be coordinated with a number of state agencies, including the PUC, the CEC, and the ARB. Under both the Clean Air Act and state law, South Coast AQMD does not have jurisdiction over the composition of motor vehicle fuels and can take no action to phase out fossil fuel use in motor vehicles. Please see Response to Comment 12-5 regarding the request to phase out fossil fuels.

The South Coast AQMD does promote alternative cleaner technologies and is working on a number of advanced technology projects to move mobile sources towards zero and near zero emissions. These programs will help to reduce criteria pollutants and diesel particulate matter, which is a carcinogen.

Comment Letter #24: McKina Alexander – City of Carson

Comment Letter #24



Community Emission Reduction Plan  
(CERP) Comment Form

AB617 Year 1 Community  
Wilmington, Carson, West Long Beach

AB617 Year 1 Community Code  
WIL

AB617 Doc Type  
Comment Form

Enter your contact information, comments and/or upload comment files below. Please note that information provided by you on this form (including contact or other personal information) is a public record and may be released in response to a California Public Records Act request.

A continuación introduzca su información de contacto, comentarios y / o suba archivos sobre los comentarios. Tenga en cuenta que la información provista por usted en este formulario (incluida la información de contacto u otra información personal) es un registro público y puede ser divulgada en respuesta a una solicitud de la Ley de Registros Públicos de California.

\* Campos requeridos para enviar un comentario

\*Fields Required to Submit a Comment

Language Preference

☒ English ☐ Español

Form Information

Date Created  
08/20/2019

Time Created  
6:06 PM

Commentor Contact Information

Commenter's Name \*  
MCKINA ALEXANDER

Affiliation \*  
Agency, School, University or Hospital

Email Address \*

[REDACTED]

Email Address Valid (Y/N)  
Y

Error: You Entered an invalid email address. Please reenter.

Error: Ha introducido una dirección de correo electrónico no válida. Por favor vuelva a introducirla.

Comments (Unlimited Size) \*  
Please see attached.

### Suba comentarios adicionales y archivos de soporte (30 Mb máximo por archivo)

Archivos de comentarios sobre el CERP

### Upload Additional Comment and Supporting Files ( 30 Mb Maximum per file) (1)

CERP Comment Files

PLN - AB617 Comments - 8/20/2019 - Comment Type: DRAFT CERP - Author: MCKINA ALEXANDER - Affiliation: Agency, School, University or Hospital - WIL - N

Note: Supported upload files include all versions of Microsoft Office, jpeg, tiff, PDF, mp3, mp4, and text files.

Nota: los archivos compatibles que se pueden subir incluyen documentos de todas las versiones de Microsoft Office, jpeg, tiff, PDF, mp3, mp4 y archivos de texto

For More Information Contact: ab617@aqmd.gov

Para más información contáctese con: ab617@aqmd.gov

### Comment Letter #24

#### CITY OF CARSON COMMENTS

#### COMMUNITY EMISSIONS REDUCTION PLAN (CERP)



<b>Executive Summary:</b>			
The City of Carson participates on the Wilmington, Carson, and West Long Beach (WCWLB) AB617 Community Steering Committee (CSC). The City of Carson has reviewed the draft CERP documents provided by SCAQMD and have submitted the following recommendations for consideration.			
1	Land use and transportation strategies	Implement land use strategies e.g. use setbacks, buffers (tree canopy), VMT to decrease air emissions and exposures to sensitive receptors	24-1
2	Consider adding these truck traffic locations to the priority areas that impact adjacent residential neighborhoods	Sepulveda Blvd./Alameda St.; Carson St. from Wilmington to Alameda St.; Del Amo Blvd. from Wilmington Ave to Alameda, Wilmington Ave from Del Amo to Lomita.	24-2
3	Tree planting	Partner with organizations and agencies to increase tree canopy in opportunity areas	24-3
4	Sound Wall	Partner with organizations and agencies to add and/or replace sound walls along truck traffic impacted corridors	24-4
	Infiltration Systems – School Districts	CERP provides vague strategy regarding collaborating with organizations/agencies and identifying a clear timetable to install filter within the community schools. Include metrics showing baseline and improvements.	24-5
5	Public Outreach: Reporting of technical analyses	Maintain an on-line presence that is written in layman's terms. We encourage information sharing that can be understood by the non-technical person.	24-6
6	CARB – Code Enforcement Effort	Collaborate with SCAQMD and City agencies to identify and regularly monitor truck traffic impacted areas. Compliance with idling and clean vehicle standards.	24-7
7	Targets – Clearly identify, provide measures and means	Clearly provide measurable targets and means. By 2025, X amount of emissions shall be reduced by doing...	24-8
8	Cleaner Technology	The CERP draft incentive actions need to become more robust and identify funding source(s). Research to find available clean technology and develop a plan to identify incentives that will be the fastest and result in the best benefits for sensitive receptors.	24-9

### Response to Comment Letter #24-1

Thank you for your suggestions. South Coast AQMD will identify local agencies with land use jurisdiction and support efforts to use setback, buffers, etc. to decrease sensitive receptors' exposure to harmful air pollutants.

### Response to Comment Letter #24-2

The locations listed by the commenter include Sepulveda Blvd./Alameda St.; Carson Street from Wilmington to Alameda Street; Del Amo Blvd. from Wilmington Ave to Alameda; and Wilmington Ave from Del Amo to Lomita, are incorporated in Chapter 5d, Action 1, specifically under "high traffic corridors on Wilmington Avenue" and "Alameda Corridor". The interactive air quality concerns map online will be updated with these locations and is available at: <https://scagmd->



[online.maps.arcgis.com/apps/MapJournal/index.html?appid=f4089b44d00a4ada806cfa62309ab98e](https://online.maps.arcgis.com/apps/MapJournal/index.html?appid=f4089b44d00a4ada806cfa62309ab98e). Chapter 5d, Action 1 that addresses idling trucks based on CSC input the following locations: high traffic corridors on Wilmington Avenue, Lomita Boulevard, Santa Fe Avenue, Figueroa Street, Pacific Coast Highway, Anaheim Street, Harry Bridges Boulevard, the Alameda corridor, and Lakme Avenue.

#### Response to Comment Letter #24-3

Chapter 5g, Action 4 commits the South Coast AQMD to identify new or existing sources that can provide funding for tree planting and other forms of green space expansions. Staff welcomes suggestions of specific organizations or agencies that can help with tree planting and other green space increase efforts.

#### Response to Comment Letter #24-4

Sound walls are typically the purview of Caltrans or the Los Angeles County Metropolitan Transportation Authority. South Coast AQMD recognizes the potential exposure reduction benefit of sound walls along truck corridors, and can work with agencies to provide data on locations within the community that have high truck pollution impacts. This action has been added to Chapter 5d, Action 2.

#### Response to Comment Letter #24-5

Chapter 5g, Action 2 addresses exposure reduction at schools through the installation of school filtration systems. Current schools with air filtration systems are listed in the section titled “Ongoing Efforts”. Table 5g-1 lists the schools in Wilmington, Carson, West Long Beach that have had air filtration systems installed through programs administered by the South Coast AQMD. Table 5g-2 lists the schools that have had air filtration systems installed through funding from the Port of Long Beach. Staff will provide updates to the CSC biannually on the number of school filtration systems that have been installed. Moreover, monitoring efforts conducted near or around the schools prioritized by the CSC will be another form of tracking progress.

#### Response to Comment Letter #24-6

Staff will continue efforts to ensure that data collection, data interpretation, and communication of results are clear, transparent, and understandable to public users. Staff will aim to continue to share data and information with the CSC in layman's terms. As an example, staff recently launched the AB 617 Community Air Monitoring website, which includes a Data Display tool to display community air monitoring data in an interactive and visual format.

#### Response to Comment Letter #24-7

Chapter 5d, Action 1 addresses truck idling emissions. South Coast AQMD commits to conducting focused enforcement for idling trucks in high traffic areas with the highest priority for areas near schools and residential areas. Chapter 5d, Action 2 commits the Cities in the Wilmington, Carson, West Long Beach communities to collaborate with South Coast AQMD to evaluate potential



designated truck routes and identify resources to enforce these routes. Furthermore, CARB commits to conducting enhanced roadside enforcement of existing Drayage Truck and Truck and Bus regulations. CARB will also be considering amendments to rules for heavy-duty trucks.

Response to Comment Letter #24-8

Chapter 5a has been updated to explicitly state the emissions reduction targets that the CERP will achieve by the year 2030. These include reductions of NOx, VOCs, SOx, and PM in tons per year.

Response to Comment Letter #24-9

This information will be provided in the annual progress reports, and also provided to the CSC as part of periodic updates. The South Coast AQMD is committed to identifying incentive programs that will result in much needed emission reductions sooner. South Coast AQMD staff expeditiously reviews applications and distributes incentive funds as quickly as possible.

## Comment Letter #25: Harvey Eder – Public Solar Power Coalition

### Response to Comment Letter #25-1

Comment Letter #25 consists of the 66 documents listed below. The majority of these documents are from the 2016 Air Quality Management Plan (AQMP), and associated comments and responses to those comments. Staff has already responded to those comments and do not have any additional information to supplement those responses.

Additional documents that have been submitted are of the nature of news articles about “superbugs” and solar energy, reports from other government agencies on alternative energy sources, and other documents related to alternative energy. The documents did not include any comments regarding the CERP.

Staff appreciates the commenter’s concerns regarding drug-resistant bacteria and the desire to expand the use of alternative energy sources. Based on the input from the CSC and community, these topics were not within the top air quality priorities for the community as a whole, and therefore are not addressed in the CERP.

The files attached to Comment Letter #25 are listed below:

- 1) Draft 2016 AQMP Appendix I, Health Effects, July 2016.
- 2) Draft 2016 AQMP Appendix II, Current Air Quality, July 2016.
- 3) Draft 2016 AQMP Appendix III, Base and Future Year Emission Inventory, July 2016.
- 4) Draft 2016 AQMP Appendix IV, South Coast AQMD’s Stationary and Mobile Source Control Measures, July 2016.
- 5) Draft 2016, AQMP, June 2016.
- 6) Comment Letter on Draft 2016, AQMP June 2016 (Bracketed 10-1)
- 7) Responses to the 69 Comment Letters on the Draft 2016 AQMP (Letter #10)
- 8) Comment Letter #8 Submitted by Harvey Eder (AQMP Draft 2016), June 2016.
- 9) Draft 2016 AQMP Appendix I Comments and Responses to Comments
- 10) Draft 2016 AQMP Appendix I Responses to Comments from Advisory Council Meeting
- 11) Draft 2016 AQMP Appendix I, Health Effects, March 2017.
- 12) Draft 2016 AQMP Appendix II, Current Air Quality, March 2017.
- 13) Draft 2016 AQMP Appendix III, Base and Future Year Emission Inventory, March 2017.
- 14) Draft 2016 AQMP Appendix IV-A, South Coast AQMD’s Stationary and Mobile Source Control Measures, March 2017.
- 15) Draft 2016 AQMP Appendix IV-B, CARB’s Stationary and Mobile Source Control Measures, March 2017.
- 16) Draft 2016 AQMP Appendix IV-C, Regional Transportation Strategy and Control Measures. March 2017.
- 17) Final 2016 AQMP Appendix V, Regional Transportation Strategy and Control Measures. March 2017.
- 18) Final 2016 AQMP Appendix VI, Compliance With Other Clean Air Act Requirements, March 2017.

- 19) Final 2016 AQMP Volume 1 of 2, Comments and Responses to Comments, March 2017. Pages 38 – 39: Mr. Eder’s and response to comment
- 20) Final 2016 AQMP Volume 2 of 2, Comments and Responses to Comments, March 2017. Pages 896 – 912: Mr. Eder’s comments and materials attached.
- 21) Final 2016 AQMP, March 2017.
- 22) Draft 2016 AQMP Appendix III, Base and Future Year Emission Inventory, October 2016.
- 23) Draft 2016 AQMP Appendix II, Current Air Quality, October 2016.
- 24) Draft 2016 AQMP Appendix IV-A, South Coast AQMD’s Stationary and Mobile Source Control Measures, October 2016.
- 25) Draft 2016 AQMP Appendix IV-B, CARB’s Stationary and Mobile Source Control Measures, October 2016.
- 26) Draft 2016 AQMP Appendix IV-C, Regional Transportation Strategy and Control Measures. October 2016.
- 27) Revised Draft 2016 AQMP, October 2016.
- 28) Draft 2016 AQMP Appendix I, Health Effects, July 2016.
- 29) Draft 2016 AQMP Appendix II, Current Air Quality, July 2016. Draft 2016 AQMP Appendix III, Base and Future Year Emission Inventory, July 2016.
- 30) Draft 2016, AQMP, June 2016.
- 31) CNN News Article Print Out – Scanned. “CDC Announces 4<sup>th</sup> Superbug case in US patient”
- 32) Scan of Comment Letter on Draft 2016, AQMP June 2016 (Bracketed 10-1)
- 33) Scans of Harvey Eder’s attachments to his comments found in 2016 AQMP Comments and Response to Comments. These attachments include: handwritten notes apparently written by Mr. Eder; scanned drafts of AQMPs from various years, Inland Power Community Choice Aggregation Business plan
- 34) Scan of South Coast AQMD’s “Control Strategies and Technologies for Particulate Matter Under 2.5 Microns (PM2.5) and Ultrafine Particulate Emissions From Natural Gas-Fired Turbine Power Plants” Final Report; Mr. Eder’s handwritten notes.
- 35) Scanned EPA documents (Control Techniques for Nitrogen Oxides Emissions from Stationary Sources), Memorandums, SIPs; Scans of Wikipedia articles “General Motors streetcar conspiracy”; Scan of a screen play “Taken for a Ride”; LA Times Article “Accord Nearer on Sale of Power Grid to State, Governor says”; Scan of an webpage “HOME Investment Partnerships Program”; Scan of an online article “Power to the People”
- 36) Scanned Copy of the County of Los Angeles Community Choice Energy Business Plan
- 37) Scanned LA Times Article “Deadly Superbugs from Hospitals get stringer in the sewers and could end up in the Pacific Ocean.”
- 38) Mr. Eder’s written comments on the Draft 2016 AQMP Environmental Impact Report
- 39) Scanned NBC Article “Drug Resistant Superbugs are a ‘Fundamental Threat’ WHO Says”
- 40) Scanned LA Times Article “Editorial: What we don’t Know About Superbugs Could Kill Us”
- 41) Scanned Internet Article “16 Democrat AGs Begin Inquisition Against ‘Climate Change Disbelievers’
- 42) Scan of Pages 38 – 39 of Final 2016 AQMP Volume 1 of 2, Comments and Responses to Comments, March 2017: Mr. Eder’s comments and response to comment

- 43) Scan of internet article “How much solar energy would be needed for California to Reach 50 Percent Solar?”
- 44) Scan of Idaho National Laboratory’s “A Study of United States Hydroelectric Plant Ownership”. June 2006
- 45) Scan of LA Times article “No one knows how many patients are dying from superbug infections in California hospitals”
- 46) Scan of National Renewable Energy Laboratory and U.S. Department of Energy’s “Shared Solar: Current Landscape, Market Potential, and the Impact of Federal Securities Regulation”
- 47) Scan of National Renewable Energy Laboratory’s “Energy Storage Requirements for Achieving 50% Solar Photovoltaic Energy Penetration in California”
- 48) Scan of National Renewable Energy Laboratory’s “Status and Trends in the U.S. Voluntary Green Power Market (2015 Data)”
- 49) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: The Environmental and Public Health Benefits of Archiving High Penetrations of Solar Energy in the United States.”
- 50) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Utility Regulatory and Business Model Reforms for Addressing the Financial Impacts of Distributed Solar on Utilities.
- 51) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Advancing Concentrating Solar Power Technology, Performance, and Dispatchability”
- 52) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Emerging Opportunities and Challenges in Financing Solar”
- 53) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Emerging Opportunities and Challenges in U.S. Solar Manufacturing”
- 54) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Emerging Issues and Challenges in Integrating Solar with the Distribution System”
- 55) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: Emerging Issues and Challenges in Integrating High Levels of Solar into the Electrical Generation and Transmission System”
- 56) Scan of the Lawrence Berkeley National Laboratory’s “On the Path to SunShot: The Role of Advancement in Solar Photovoltaic Efficiency, Reliability, and Costs”
- 57) Scan of Wikipedia Article “Public-Private Partnership”
- 58) Scan of Pages 843 – 852 of Final 2016 AQMP Volume 1 of 2, Comments and Responses to Comments: Mr. Eder’s comments and response to comment (#98)
- 59) Scan of Southern California Edison’s “SCE’s Community Renewables Program”
- 60) Scan of LA Times Article “A ‘slow catastrophe’ unfolds as the golden age of antibiotics comes to an end”
- 61) Scan of Solar Industry Magazine. Volume 9, Number 12, Jan 2017 “Changing of the Guard” and CEQA documents
- 62) Scan of Solar Industry Magazine. Volume 9, Number , July 2016 “SunShot Success”
- 63) Scan of U.S. Department of Energy “Q2/Q3 2016 SunShot Solar Industry Update”

- 64) Scan of SunShot Department of Energy Report “Tracking the Sun IX The Installed Price of Residential and Non-Residential Photovoltaic Systems in the United States”
- 65) Scan of UCLA’s Journal of Environmental Law and Policy “Legislative Developments in Solar Energy in 1980”
- 66) Scan of Lawrence Berkeley National Laboratory “Utility-Scale Solar 2015 an Empirical Analysis of Projected Costs, Performance, and Pricing Trends in the United States”

THIS PAGE IS INTENTIONALLY LEFT BLANK

**ATTACHMENT C**  
**RESOLUTION NO. 19-\_\_\_\_\_**

**A Resolution of the Governing Board of the South Coast Air Quality Management District (South Coast AQMD) determining that the Community Emissions Reduction Plan for the Wilmington, Carson, West Long Beach community (WCWLB CERP) is exempt from the requirements of the California Environmental Quality Act (CEQA).**

**A Resolution of the South Coast AQMD Governing Board Adopting the Community Emissions Reduction Plan for the Wilmington, Carson, West Long Beach community.**

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the WCWLB CERP is considered a “project” pursuant to CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and

**WHEREAS**, the South Coast AQMD has had its regulatory program certified pursuant to Public Resources Code Section 21080.5 and CEQA Guidelines Section 15251(l), and has conducted a CEQA review and analysis of the proposed project pursuant to such program (South Coast AQMD Rule 110); and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines after conducting a review of the proposed project in accordance with CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA, and CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA, that the proposed project is determined to be exempt from CEQA; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment, because the proposed project is designed to further protect or enhance the environment; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project contains action items which qualify as feasibility or planning studies which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project may result in some minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project involves the collection or exchange of information or data obtained from inspections and air monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections; and

**WHEREAS**, the South Coast AQMD Governing Board finds and determines that the proposed project relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies; and

**WHEREAS**, the South Coast AQMD Governing Board has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions; and

**WHEREAS**, the South Coast AQMD staff has prepared a Notice of Exemption for the proposed project that is completed in compliance with CEQA Guidelines Section 15062 – Notice of Exemption; and

**WHEREAS**, the WCWLB CERP, and other supporting documentation, were presented to the South Coast AQMD Governing Board and the South Coast AQMD Governing Board has reviewed and considered this information, as well as has taken and considered staff testimony and public comment prior to approving the project; and

**WHEREAS**, Assembly Bill (AB) 617 directs the California Air Resources Board (CARB) to select locations around the state for preparation of community emissions reduction programs; and



**WHEREAS**, in 2018, the South Coast AQMD Governing Board recommended communities to CARB for the AB 617 program; and

**WHEREAS**, in 2018, CARB selected the community of Wilmington, Carson, West Long Beach as one of the communities for which a Community Emissions Reduction Plan shall be prepared; and

**WHEREAS**, the AB 617 statute specifies that the air district must adopt the Community Emissions Reduction Plan within one year of the state board's selection of the community; and

**WHEREAS**, the WCWLB CERP is a planning document designed to assist future regulatory programs and rule development efforts, and to reduce emissions of and exposure to air toxics and other pollutants; and

**WHEREAS**, the WCWLB CERP is required by AB 617 and it builds upon existing criteria pollutant and air toxic programs, with greater emphasis on cumulative and localized impacts, and

**WHEREAS**, although the results of MATES IV show regional reductions in health risk from exposure to toxic air contaminants, some communities such as Wilmington, Carson, West Long Beach are disproportionately impacted by air toxics, and other environmental pollution, as well as social and economic burdens; and

**WHEREAS**, the Wilmington, Carson, West Long Beach Community Steering Committee has worked with staff to develop the Community Emissions Reduction Plan to reflect the community's air quality priorities and strategies to address these priorities; and

**WHEREAS**, the Community Emissions Reduction Plan aims to reduce air toxics and other pollutants in the Wilmington, Carson, West Long Beach community.

**NOW, THEREFORE BE IT RESOLVED**, that the South Coast AQMD Governing Board does hereby determine, pursuant to the authority granted by law, that the WCWLB CERP is exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the WCWLB CERP contains action items which are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies. The proposed project contains action items that are also categorically exempt from CEQA pursuant to, CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures, CEQA Guidelines Section 15306 – Information Collection, CEQA Guidelines Section 15308 – Actions by

Regulatory Agencies for Protection of the Environment, CEQA Guidelines Section 15309 – Inspections, and CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. No exceptions to the application of the categorical exemptions set forth in CEQA Guidelines Section 15300.2 – Exceptions, apply to the proposed project. This information was presented to the South Coast AQMD Governing Board, whose members reviewed, considered and approved the information therein prior to acting on the proposed project; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing finds that the WCWLB CERP meets the requirements of AB 617 and will advance the mission of cleaning the air at a community scale in the Wilmington, Carson, West Long Beach community and will provide emission reduction co-benefits toward achieving state and national air quality standards; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board does hereby approve the WCWLB CERP; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board directs staff to periodically report to the Stationary Source Committee on the implementation of the WCWLB CERP, including updates on the actions within the plan and the emissions reductions achieved; and

**BE IT FURTHER RESOLVED**, that the South Coast AQMD Governing Board authorizes staff to make any necessary, non-substantive edits which do not have any material impact on the environment to the WCWLB CERP prior to submission to CARB for approval; and

**BE IT RESOLVED**, that the South Coast AQMD Governing Board adopts the WCWLB CERP, dated September 2019.

DATE: \_\_\_\_\_

\_\_\_\_\_  
Denise Garzaro, Clerk of the Boards

## NOTICE OF EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

---

**To:** County Clerks  
Counties of Los Angeles, Orange,  
Riverside, and San Bernardino

**From:** South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

---

**Project Title:** Community Emissions Reduction Plan for the Wilmington, Carson, and West Long Beach Community per Assembly Bill 617

---

**Project Location:** The project is located at the following community within the South Coast Air Quality Management District (South Coast AQMD) jurisdiction: the neighborhood of Wilmington within the City of Los Angeles, the City of Carson, and the neighborhood of West Long Beach within the City of Long Beach referred to herein as Wilmington, Carson, and West Long Beach (WCWLB) in Los Angeles County.

---

**Description of Nature, Purpose, and Beneficiaries of Project:** In accordance with Assembly Bill (AB) 617, which was signed into state law in 2017, and the California Air Resources Board's (CARB) Community Air Protection Program which implements AB 617, the South Coast AQMD is required to take specific actions to reduce air pollution and toxic air contaminants from commercial and industrial sources to address the disproportionate impacts of air pollution in environmental justice communities. Implementation of the specific actions is expected to occur over several years, and AB 617 specifies that the highest priority areas shall be disadvantaged communities with a high cumulative exposure burden for criteria pollutants and toxic air contaminants. After conducting extensive public outreach and data analysis, South Coast AQMD staff identified WCWLB as one of three communities qualifying as a high priority area for where the first efforts to implement community monitoring and emission reduction plans pursuant to AB 617 will occur. The purpose of this project is to implement a Community Emissions Reduction Plan (CERP) for the WCWLB community per AB 617. The beneficiary of the project is the identified community and the nearby areas, but the entire region within South Coast AQMD's jurisdiction will also benefit. The CERP contains the following action items which have been tailored for the WCWLB community's identified air quality concerns as they relate to:

Refineries (including flaring and the public notification process, refinery equipment, and storage tanks/refinery leaks): 1) implement a notification system for flaring events and providing real-time flaring information; 2) collaborate with Los Angeles County and City of Long Beach Departments of Public Health and schools to develop notification language and outreach materials for the public relative to refinery flaring; 3) continue the ongoing rule development and implementation of Best Available Retrofit Control Technology (BARCT) pursuant to South Coast AQMD Rule 1109.1 – Refinery Equipment; 4) continue the ongoing rule development and implementation of South Coast AQMD Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities; and 5) conduct mobile monitoring in and around refineries and follow-up with enforcement where needed.

Ports: 1) monitor oil tankers at-berth using forward-looking infrared (FLIR) camera and following up with enforcement where needed; 2) support rule development of CARB's proposed At-Berth Regulation; 3) collaborate on the enforcement of CARB's Drayage Truck Regulation; 4) continue the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for ports; and 5) incentive the acceleration of cleaner ships and harbor craft.

Trucks: 1) implement targeted enforcement sweeps for idling trucks with priority given to sweeps near schools; and 2) incentivize the accelerated deployment of cleaner trucks.

Oil Drilling and Production Wells (including leaks and odors): 1) conduct monitoring efforts around oil drilling activities, including fenceline monitoring and other potential approaches such as optical remote sensing; 2) use monitoring data to prioritize inspections for leaks in active and abandoned oil wells; 3) amend notification requirements for the oil and gas industry through South Coast AQMD rule development, if needed (e.g., Rule 1148.1 – Oil and Gas Production Wells, and Rule 1148.2 – Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers); and 4) collaborate with the Los Angeles County Department of Public Health and schools on notifications and outreach materials about chemicals, toxicity, health effects and recommendations related to oil drilling activities.

---

**Rail:** 1) continue the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail; and 2) support CARB's petition to the United States Environmental Protection Agency for new national locomotive emission standards.

**Schools:** 1) install school air filtration systems; 2) collaborate with the Los Angeles County Department of Public Health, the City of Long Beach Department of Public Health and other agencies on air quality advisories and/or asthma related programs; and 3) bring Environmental Justice Community Partnership, Clean Air Ranger Education, and Kids Making Sense programs to schools.

---

**Public Agency Approving Project:**

South Coast Air Quality Management District

**Agency Carrying Out Project:**

South Coast Air Quality Management District

---

**Exempt Status:**

CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption

CEQA Guidelines Section 15262 – Feasibility and Planning Studies

CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures

CEQA Guidelines Section 15306 – Information Collection

CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment

CEQA Guidelines Section 15309 – Inspections

CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies

---

**Reasons why project is exempt:** In accordance with the California Environmental Quality Act (CEQA), South Coast AQMD staff has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. Because the physical changes that may occur as a result of implementing portions of the proposed project would only require minimal construction activities and cause negligible physical impacts, South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that any physical actions that may be associated with the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, because the overall purpose of this project is to improve the environment of the WCWL community and nearby areas, and all of the action items within the WCWL CERP support this goal, the action items are also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The WCWL CERP contains elements that qualify as feasibility and planning studies, because the collection of information is needed in order to make an informed decision about whether to take further action (e.g., future rule development). However, the portions of the WCWL CERP that qualify as feasibility and planning studies do not prescribe or commit to specific details about the future actions that may occur, nor have the future actions been approved or adopted in advance, because they require an open public process. Specifically, after the portions that qualify as feasibility or planning studies are completed, and if they result in a decision to go forward with future rule development, the regulated community, stakeholders, interested parties, and the public will be invited to participate in the rule development process in a public forum. For these reasons, the following action items for the WCWL CERP are statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies:

- Continuing the ongoing rule development and implementation of BARCT per South Coast AQMD Rule 1109.1 – Refinery Equipment;
  - Continuing the ongoing rule development and implementation of South Coast AQMD Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities;
  - Continuing the ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for ports;
  - Continuing ongoing development of Facility-Based Mobile Source Measures (e.g., Indirect Source Rule) for rail; and
  - Amending notification requirements through rule development if needed (e.g., Rules 1148.1 and 1148.2).
-

The following action items within the WCWL CERP involve minor physical modifications to existing structures or buildings which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 – New Construction or Conversion of Small Structures:

- Installing school air filtration systems;
- Conducting monitoring around oil drilling activities (including fenceline monitoring and other approaches).

The following action items within the WCWL CERP involve information collection activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection:

- Conducting mobile monitoring in and around refineries;
- Conducting monitoring around oil drilling activities (including fenceline monitoring and other approaches);
- Using monitoring data to prioritize inspections for leaks in active and abandoned oil wells;
- Collaborating with the Los Angeles County Department of Public Health and schools to obtain and distribute information on notifications and outreach materials about chemicals, toxicity, health effects and recommendations related to oil drilling activities; and
- Collaborating with the Los Angeles County Department of Public Health, the City of Long Beach Department of Public Health and other agencies to obtain and distribute information on air quality advisories and/or asthma related programs.

The following action items within the WCWL CERP involve inspection activities that check for performance or compliance are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections:

- Based on the results of mobile monitoring in and around refineries, follow-up with inspections where needed;
- Monitoring oil tankers at-berth using FLIR camera and follow-up with enforcement where needed;
- Implementing targeted enforcement sweeps for idling with priority given to sweeps near schools; and
- Conducting monitoring efforts around oil drilling activities (including fenceline monitoring and other approaches).

The following action items within the WCWL CERP involve enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies:

- Based on the results of mobile monitoring and inspections at refineries, follow-up with enforcement where needed;
- Monitoring oil tankers at-berth using FLIR camera and follow-up with enforcement where needed; and
- Implementing targeted enforcement sweeps for truck idling with priority given to sweeps near schools all potentially involve enforcement of South Coast AQMD regulations or regulations by other regulatory agencies such as CARB.

Further, South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA.

#### **Date of Project Approval:**

South Coast AQMD Governing Board Hearing: September 6, 2019; South Coast AQMD Headquarters

<b>CEQA Contact Person:</b> Mr. Luke Eisenhardt	<b>Phone Number:</b> (909) 396-2324	<b>Email:</b> <a href="mailto:leisenhardt@aqmd.gov">leisenhardt@aqmd.gov</a>	<b>Fax:</b> (909) 396-3982
<b>AB617 Contact Person:</b> Ms. Diana Thai	<b>Phone Number:</b> (909) 396-3443	<b>Email:</b> <a href="mailto:dthai@aqmd.gov">dthai@aqmd.gov</a>	<b>Fax:</b> (909) 396-3879

**Date Received for Filing:** \_\_\_\_\_

**Signature:** \_\_\_\_\_



Barbara Radlein  
Program Supervisor, CEQA  
Planning, Rule Development, and Area Sources

---

# AB 617 Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach

---



GOVERNING BOARD MEETING

SEPTEMBER 6, 2019

# AB 617 Year 1 Communities

September 2018, CARB designated:

- San Bernardino, Muscoy
- East Los Angeles, Boyle Heights, West Commerce
- Wilmington, Carson, West Long Beach

Extensive Community Outreach:

- 3 Community Steering Committees (CSCs)
- 27 CSC meetings
- 60 + individual meetings
- 2 community bus tours
- 3 Technical Advisory Group meetings
- 6 community workshops





# Community Steering Committee



- ❖ Community cohosts
- ❖ Committee member presentations
- ❖ Community testimonials





# Community-Driven Efforts to Develop the CERPs

## CERP Development

AQ  
Priorities

Strategies  
& Metrics



Actions &  
Steps

## CERP Action

- 49 actions (approx. 160 steps) across the 3 CERPs
- 28 are emission reduction actions
- Each action includes:
  - Suite of strategies
  - Steps
  - Timeline/milestones
  - Metrics to track progress
  - Collaborating entities

- Plans are flexible to adapt to new information

# New Efforts and Approaches in the CERPs



## Rules and Regulations

- 7 new South Coast AQMD rule efforts
- 8 regulations to be considered by CARB
- Increased engagement and ISR efforts (e.g. Working Group meetings in communities)



## Collaboration

- Community-led monitoring
- Agency collaborations on permit cross-checks, trucking regulations, public communication



## Enforcement

- Focus on areas identified by the communities
- Improved communication for complaint response



## Public Information and Outreach

- Small business outreach to increase compliance
- School-based programs



## Incentives

- Focused efforts to generate incentive proposals in these communities
- Use technology to identify older trucks for incentive programs (e.g. ALPR)



## Air Monitoring

- Advanced monitoring technologies to provide new, purposeful data
- Data will inform compliance efforts and provide public information

# Air Quality Priorities

## Wilmington, Carson, West Long Beach Community



**Ports**



**Neighborhood Truck  
Traffic**



**Railyards**



**Refineries**



**Oil Drilling and  
Production**



**Schools, Childcare  
Centers, Homes**



# Actions to Reduce Mobile Source Emissions

## Wilmington, Carson, West Long Beach Community



**Ports**

- Oil tanker VOC leak surveillance
- Incentives for cleaner ships and harbor craft
- Rule development/MOU: Ports MOU, Rule 1142, CARB At-Berth, CARB Commercial Harbor Craft



**Neighborhood Truck Traffic**

- Truck idling sweeps & inspections
- Incentives & outreach for cleaner heavy-duty trucks
- Work with cities on truck routes and enforcement
- Rule development: CARB Advanced Clean Truck, Heavy-Duty Low NOx, Heavy-Duty Vehicle Inspection & Maintenance



**Railyards**

- Work with CARB to develop new requirements to reduce railyard emissions
- Incentives for cleaner equipment
- Rule development: Railyard ISR



# Mobile Source Emission Reduction Targets

## Wilmington, Carson, West Long Beach Community

Mobile Source Measure	Timeline	Regulatory Entity	Emission Reductions Targets (tpy) by 2029		
			NOx	VOC	DPM
Shore Power for Ocean-going Vessels At-Berth	2019	CARB	1,268	62	19
Heavy-Duty Vehicle Inspection and Maintenance	2020	CARB	153	N/A	1.3
Advanced Clean Trucks Regulation	2019	CARB	10.1	N/A	0.3
Heavy-Duty Low NOx Rule	2020	CARB	246	N/A	N/A
Mobile Source Incentives resulting from the CERP Actions	2020	South Coast AQMD	40-50	N/A	0.5-0.6

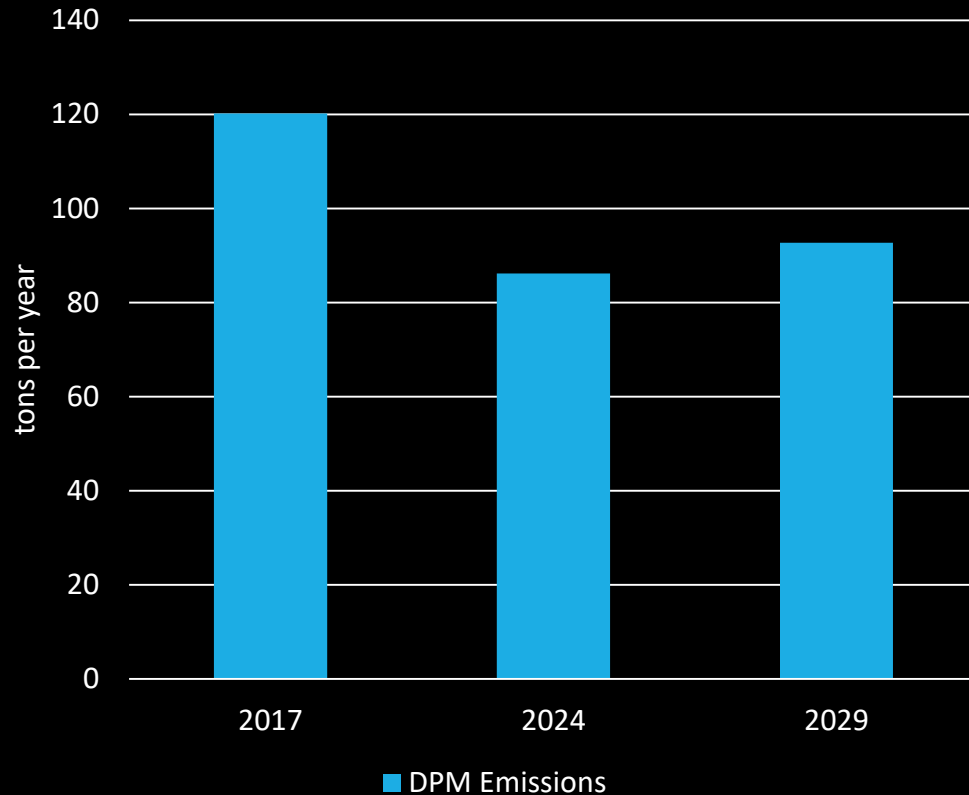
Timeline based on first CARB Board hearing dates for each measure or beginning of implementation for mobile source incentives

tpy = Tons per year

# Mobile Source Emission Reduction Targets

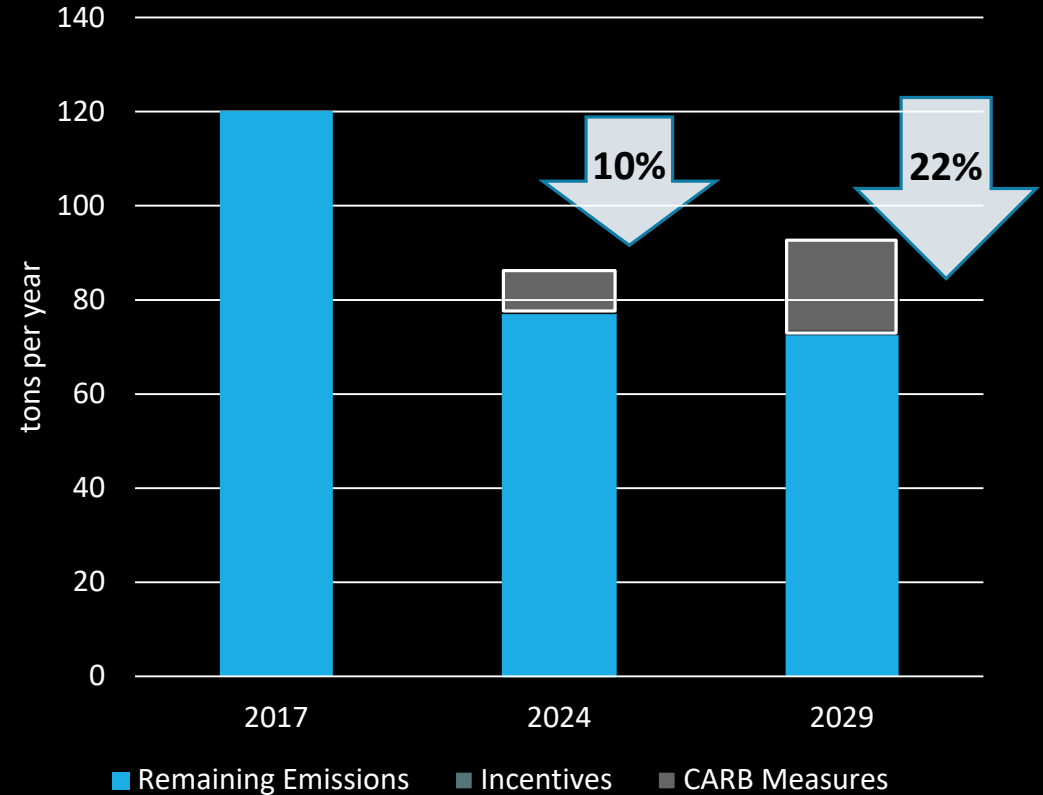
## Wilmington, Carson, West Long Beach Community

BASELINE MOBILE SOURCE DPM EMISSIONS



WITH CERP (SOUTH COAST AQMD AND CARB ACTIONS)

CERP Reductions in 2024 and 2029:



# Actions to Reduce Stationary Source Emissions

## Wilmington, Carson, West Long Beach Community



**Refineries**

- Mobile measurements to screen all refineries
- VOC leak detection & repair
- Refinery flaring notifications
- Rule development: Rules 1118, 1178, and 1109.1



Refineries



**Oil Drilling and Production**

- Mobile measurements to screen all wells, collaborate with organizations
- Leak detection and repair
- Oil well notifications
- Rule development: Rule 1148 Series (3 rules) and Rule 1173




Community  
Based  
Organizations


# Refinery and Oil Well Emission Reduction Targets

Wilmington, Carson, West Long Beach Community

Rule Development Action	Rule Development Begins in	Regulatory Entity	Emission Reductions Targets (tpy) by 2030		
			NOx	SOx	VOC
Rule 1118 – Control of Emissions from Refinery Flares	2020	South Coast AQMD	19	11	1
Rule 1178 – Storage Tanks at Petroleum Facilities	2021	South Coast AQMD	N/A	N/A	TBD
Rule 1109.1 – Refinery Equipment (BARCT)	2019	South Coast AQMD	1,095 to 1465	N/A	N/A
Rule 1148 and Rule 1178 – Reduce Emissions and Require Additional Monitoring (Oil Wells)	2020	South Coast AQMD	N/A	N/A	TBD



50% reduction in flaring emissions



Contribute to 50% reduction in refinery NOx, VOC emissions



# Actions to Reduce Stationary Source Exposure

## Wilmington, Carson, West Long Beach Community

---

### Schools, Childcare Centers, and Homes

#### Action 1: Public Outreach

- School-based programs
- Asthma management programs

#### Action 2: Air filtration systems

- Schools, Childcare Centers, and Community Centers

#### Action 3: Exposure reduction at Homes

- Home filtration systems



Community  
Based  
Organizations

### Metrics to Track Progress

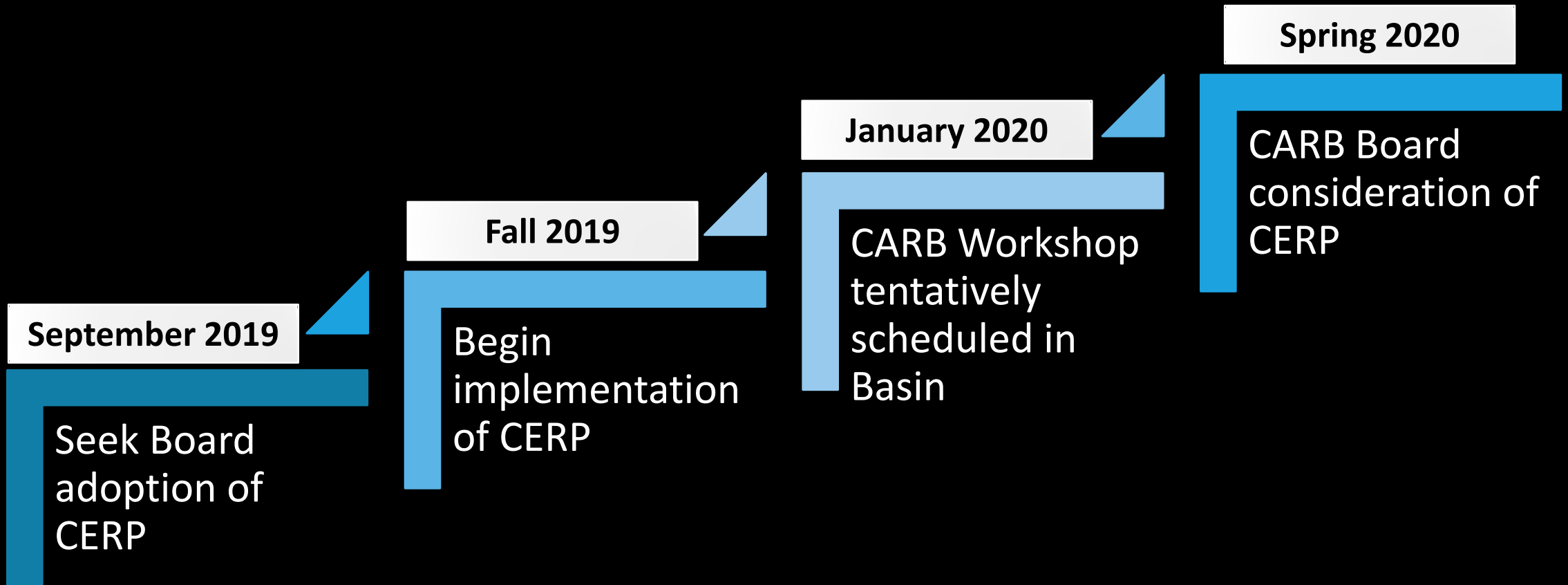
- Outreach events completed, by type
  - Participation & feedback
- Air filtration systems implemented

# Comments Received

Comment	Status
Targets and Baseline	<ul style="list-style-type: none"> <li>• Staff included baseline emissions in the CERP (Chapter 3b)</li> <li>• Staff quantified emission reduction targets based on CERP actions (Chapter 5a)</li> <li>• Although not easily quantified, CERP actions reduce fugitive emissions, and progress will be tracked</li> </ul>
Health Study	<ul style="list-style-type: none"> <li>• CERP focuses on emission reductions, which will provide benefits to public health</li> <li>• To address desire for additional health improvements, there are additional actions toward improving public health, e.g. asthma management programs</li> <li>• Community health study is costly and may not show the long term health benefits associated with the emission reductions in the CERP</li> <li>• Health studies are outside scope and resources of CERP process</li> </ul>
Refinery Targets	<ul style="list-style-type: none"> <li>• Staff included emission reduction targets for refineries in the CERP (Chapter 5a)</li> <li>• Emission reduction targets are specified in tpy where possible, and a percent reduction otherwise</li> <li>• Staff added method to develop VOC emission reduction target (Chapter 5b), and staff will work with Technical Advisory Group to further develop methods to track progress</li> </ul>
Proportion of Refinery Emissions Identified by Source Attribution	<ul style="list-style-type: none"> <li>• Petroleum refineries account for 17% of VOC, 21% of NOx, and 65% of SOx total community emissions</li> <li>• Staff added method to develop VOC emission reduction target (Chapter 5b), and staff will work with Technical Advisory Group to further develop methods to track progress</li> </ul>
2500 foot Buffer for Oil Wells	<ul style="list-style-type: none"> <li>• CERP includes actions to reduce emissions from these facilities and conduct air measurements. These actions complement the City of LA's efforts on this issue</li> </ul>

# Next Steps for Wilmington, Carson, West Long Beach – Community Emissions Reduction Plan (CERP)

---



# Staff Recommendations

---



- Determine that the Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach is exempt from CEQA
- Adopt the Community Emissions Reduction Plan for Wilmington, Carson, West Long Beach

BOARD MEETING DATE: September 6, 2019

AGENDA NO. 26

**PROPOSAL:** Receive and File 2018 Annual Report on AB 2588 Program and Approve Updates to Facility Prioritization Procedure

**SYNOPSIS:** The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) requires local air pollution control districts to prepare an annual report. The report provides the public with information regarding South Coast AQMD programs to reduce emissions of toxic air contaminants. This annual update describes the various activities in 2018 to satisfy the requirements of AB 2588 and Rule 1402, such as quadrennial emissions reporting and prioritization, the preparation and review of Air Toxics Inventory Reports, Health Risk Assessments, Voluntary Risk Reduction Plans, Risk Reduction Plans, and additional South Coast AQMD activities related to air toxics. Staff is also proposing revisions to the Facility Prioritization Procedure to correct minor transcription errors. These actions are to receive and file the 2018 Annual Report on the AB 2588 Air Toxics "Hot Spots" Program and approve revisions to the Facility Prioritization Procedure.

**COMMITTEE:** No Committee Review

**RECOMMENDED ACTIONS:**

1. Receive and File 2018 Annual Report on the AB 2588 Program.
2. Approve Updates to Facility Prioritization Procedure.

Wayne Natri  
Executive Officer

## **Introduction**

The California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588) enacted in 1987, is a statewide program implemented by local air districts to address health risks from air emissions associated with existing permitted facilities. One of the main goals of AB 2588 is to provide the public with information regarding potential health effects from toxic air contaminants emitted from existing facilities, and to develop plans to reduce associated risks. The South Coast AQMD implements AB 2588 requirements through Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, which includes additional requirements beyond the state law, including a program to encourage facilities to voluntarily reduce risk, and to compel high risk facilities to reduce toxic emissions much more quickly than previously required.

The AB 2588 Program as implemented under Rule 1402 is only one part of South Coast AQMD’s comprehensive program in regulating air toxics. Other elements include South Coast AQMD’s permitting program and Rule 1401 – New Source Review of Toxic Air Contaminants requirements, rules adopted to address air toxic emissions from certain equipment and processes, enforcement efforts to ensure facilities comply with all applicable air quality requirements, and the Multiple Air Toxics Emissions Study, a study measuring the amount of regional toxic air contaminants and their risks throughout the air basin. Additionally, within the past five years, South Coast AQMD has performed ambient air monitoring in many neighborhoods and found high levels of air toxics. This monitoring has helped to identify high risk facilities, which have then been required to implement risk reduction measures under Rule 1402. Additional reductions have occurred through voluntary measures, enforcement actions, Orders for Abatement, and rule development.

As required under the California Health and Safety Code Section 44363, staff has prepared the “2018 Annual Report on the AB 2588 Program.” This annual report summarizes South Coast AQMD’s air toxics program activities in 2018, including AB 2588 activities and other air toxic related programs as explained below. The annual report will be available on South Coast AQMD’s website and distributed to county boards of supervisors, city councils, and local health officers.

## **Background**

The AB 2588 Program, combined with implementation of Rule 1402, includes requirements for toxic emissions inventories, categorizing and prioritizing facilities, and reviewing and approving detailed Air Toxic Inventory Reports (ATIRs), Health Risk Assessments (HRAs), public notifications, Voluntary Risk Reduction Plans (VRRPs) and Risk Reduction Plans (RRPs).

There are two broad classes of facilities within the AB 2588 Program: larger facilities (core facilities) are subject to individual reporting requirements while facilities that are generally small businesses are in the industrywide source categories and have fewer requirements under the AB 2588 Program than core facilities. Industry-wide source

category facilities are generally small businesses with relatively similar emission profiles (such as gas stations and auto-body shops). Some industry-wide categories have requirements in source-specific rules to address toxic air contaminants.

Larger facilities (core facilities) are required to report their air toxic emissions to South Coast AQMD, such as hexavalent chromium, nickel, benzene, formaldehyde, and diesel particulate matter (DPM), every four years through the web-based Annual Emissions Reporting (AER) Program. This quadrennial emissions reporting is staggered so that not all facilities report their toxics emissions at the same time. Of the 469 facilities in South Coast AQMD's core AB 2588 Program, 259 facilities were required to submit their reports in 2018 for reporting year 2017. Additionally, on October 7, 2016, Rule 1402 was amended to add requirements for Potentially High Risk Level facilities. Potentially High Risk Level facilities are facilities that South Coast AQMD staff believes may pose significant health risk to the local community. Potentially High Risk facilities must implement Early Action Reduction Plans to immediately reduce risk and to submit ATIRs, HRAs and RRP's under expedited timelines. So far, three facilities in Paramount (Anaplex Corp, Aerocraft Inc. and Lubeco Inc.) have been designated as Potentially High Risk Level facilities under Rule 1402.

The AB 2588 Program requires air districts to categorize each facility using the reported emissions as either high, intermediate, or low priority to determine if a facility needs to conduct a Health Risk Assessment (HRA). Once a facility is designated as high priority, they may be required to submit a Health Risk Assessment to assess the risk to their surrounding community. From the beginning of the AB 2588 Program in 1987 through the end of 2018, staff has reviewed and approved 344 HRAs from 337 facilities. Of these, 59 facilities were required to perform public notification activities and 27 facilities were required to implement risk reduction measures.

### **2018 Accomplishments**

The attached report summarizes staff activities in 2018 for the AB 2588 Program, implementation of Rule 1402, air toxic monitoring performed in conjunction with the AB 2588 Program and Rule 1402, analysis of toxic program impacts from the addition of new or revised health risk values for air toxics, and future activities.

### **Summary of Activities for Specific AB 2588 Program Facilities**

In 2018, staff initiated audit activities of quadrennial reports for 140 facilities with priority scores greater than 10 and reviewed a variety of work products submitted by 37 different facilities as a requirement of the AB 2588 Program. Key activities conducted include review of 24 Air Toxics Inventory Reports, 17 Health Risk Assessments, five Risk Reduction Plans, one Early Action Reduction Plan, seven Voluntary Risk Reduction Plans, and two revised priority scores. Many of these key activities were for facilities that tend to have more sources and are more complex, such as refineries and other larger industrial facilities. Overall, a total of 196 documents were reviewed in 2018 for the 20 facilities that were subject to AB 2588 review. Table 1 lists the facilities

that submitted these documents. The attached Annual Report provides detailed information regarding the AB 2588 Program activities at each facility.

**Table 1 – AB 2588 Program Facilities in 2018**

Facility Name	ID No.	Facility Name	ID No.
Aerocraft Heat Treating Co Inc.	23752	Orange County Sanitation District, Fountain Valley*	17301
Anaplex Corp	16951	Orange County Sanitation District, Huntington Beach*	29110
Arconic Global Fasteners & Rings, Inc.	134931	Phillips 66 Co/LA Refinery Wilmington Plant*	171107
The Boeing Company*	16660	Phillips 66 Company/Los Angeles Refinery*	171109
Boral Roofing LLC	1073	Quemetco Inc.	8547
Chevron Products Co.*	800030	So Cal Edison Co Pebbly Beach*	4477
Eisenhower Medical Center	3671	So Cal Gas Co./Playa del Rey Storage Facility	8582
Elite Comfort Solutions*	182610	So Cal Holding, LLC*	169754
Equilon Enter. LLC, Shell Oil Prod. US*	800372	Southern California Edison*	160437
Fontana Paper Mills Inc.	11716	Tesoro Refining & Marketing Co LLC, Calciner*	174591
Garrett Aviation Services LLC dba Standard Aero	155828	Tesoro Refining And Marketing Co, LLC*	800436
Gerdau/TAMCO	18931		174655
Glendale City, Glendale Water & Power*	800327		174694
GS II, Inc.*	183567		174703
Hixson Metal Finishing	11818	Tesoro Refining And Marketing Co, LLC (Sulfur Recovery Plant)*	151798
Holliday Rock Co., Inc.	41580	Torrance Refining Company LLC*	181667
Kirkhill Inc.*	187823	Triumph Processing, Inc.*	800267
LA City, Sanitation Bureau (HTP)*	800214	TST, Inc.*	43436
Lubeco Inc.	41229	Ultramar Inc.*	800026
MM West Covina LLC*	113873	University of California, Riverside	49387

Note: \* indicates facilities notified to prepare either an ATIR or a VRRP.



### **Air Monitoring and Source Testing Activities to Support the AB 2588 Program**

Based on monitoring for hexavalent chromium in Paramount, three facilities were designated as Potentially High Risk Level Facilities in 2016 and 2017. Highly elevated levels were found initially and additional efforts were conducted to identify and address sources of hexavalent chromium that were impacting nearby communities. As a result, several facilities made a range of improvements, some voluntary and some through rule changes and enforcement actions. South Coast AQMD's ongoing air monitoring results indicate substantial progress in reducing ambient levels of hexavalent chromium as a result of these actions. As a result, South Coast AQMD is updating its air monitoring efforts in Paramount to focus on conducting studies to evaluate other potential sources of hexavalent chromium and also monitoring other areas that may have higher potential for air toxics exposure.

In July 2018, staff began special air monitoring in the city of Compton to measure levels of hexavalent chromium near several metal-processing facilities in the community, with an emphasis on hexavalent chromium plating and anodizing plants due to their close proximity to each other and to sensitive receptors. Staff is investigating sources and will continue the effort to reduce emissions from these sources to a level that does not pose an immediate threat to public health.

### **Assembly Bill 617 (AB 617)**

AB 617 was passed by the California legislature in 2017 and focuses on improving air quality and public health in environmental justice communities. This law first allows local residents to provide recommendations for the selection of the environmental justice communities. South Coast AQMD will use updated data to assess the communities most affected, to identify key sources of pollution and develop targeted emissions reduction plans to reduce community exposures to air pollution. A small number of communities have been selected for the first year and other communities will be added over time.

For each selected community, South Coast AQMD will work with local stakeholders to evaluate their greatest air pollution concerns. Depending on the needs of each community, South Coast AQMD may conduct targeted community air monitoring and develop a tailored community air plan. South Coast AQMD will work with CARB, other agencies, and all stakeholders to implement these community air plans to reduce local air pollution emissions and benefit public health. In September 2018, CARB approved three communities in our region for the first year of this program:

- Wilmington, Carson, West Long Beach
- East Los Angeles, Boyle Heights, West Commerce
- San Bernardino, Muscoy

South Coast AQMD has convened a Community Steering Committee in each of the three communities with the purpose of identifying specific community air quality concerns, discussing resolutions, and developing recommendations for improving the local air

quality. These committees work closely with South Coast AQMD and CARB to discuss emissions reductions targets and strategies to inform a tailored community air plan that addresses the community's highest priority concerns. South Coast AQMD will deploy systems to monitor air quality in selected communities where this information is most needed. The analysis of the data collected will inform future community emissions reduction plans and will be used to track progress. This information will also be shared with the public and CARB.

### **HRA Modeling Projects**

In 2018, staff supported permitting and enforcement activities by reviewing air dispersion modeling to determine compliance with Rules 1420.2 – Emission Standards for Lead from Metal Melting Finishing, and 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants.

Rule 1420.2 establishes standards for lead emissions from metal melting facilities. Air dispersion modeling is used to identify the appropriate location for placement of ambient air monitors. In 2018, staff reviewed compliance plans with air dispersion modeling for four facilities under this rule: two involve siting of ambient air monitors, and two for relief from future monitoring requirements.

Rule 1466 establishes limits for particulate matter emissions from soils with toxic air contaminants. In 2018, staff reviewed requests from two facilities requesting an alternate limit for particulate matter emissions under this rule. Staff reviewed these requests to ensure the alternate limit remains health protective to the public.

### **Rules Adopted or Amended in 2018**

On November 2, 2018, Rule 1469 - Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations was amended to further reduce emissions of hexavalent chromium from tanks that were not previously regulated.

### **Program Impacts from New or Revised Health Risk Values for Air Toxics**

OEHHA adopted risk values for two toxic air contaminants in 2018. A chronic risk value was adopted for ethylene glycol mono-n-butyl ether (EGBE); at the same time, the acute risk value was revised to a lower value. Cancer risk values were also adopted for tert-butyl acetate (TBAC). In reviewing 2017 reporting data, 13 facilities reported emissions of EGBE. Facilities are currently not required to report TBAC. However, facilities required to submit inventory reports under Rule 1402 will be required to report TBAC emissions beginning in 2019.

### **Future Activities**

In addition to the routine AB 2588 Program implementation activities, staff plans to:

- Audit quadrennial emissions inventories for approximately 70 facilities;
- Track development of potential REL revisions by OEHHA;
- Notify seven asphalt aggregate plants to prepare ATIRs or VRRPs if warranted;

- Continue to provide support to rulemaking staff;
- Work with CARB and through the CAPCOA Toxics and Risk Managers Committee (TARMAC) to update CARB Emission Inventory Guidelines, including review of draft list of chemicals;
- Continue to work with CARB and through the TARMAC to develop HRA guidelines for the industry-wide categories of gasoline dispensing facilities, autobody shops, and diesel internal combustion engines, and to provide training to district staff and the regulated community; and
- Train new staff on the expanded emissions reporting under amended Rule 301 and upcoming AB 617.

### **Updates to the Facility Prioritization Procedure**

In June 2016, the Board adopted revisions to the Facility Prioritization Procedure in conjunction with amendments to Rule 1402 that incorporated the 2015 OEHHA Risk Assessment Guidelines update.

In September 2018, the Board adopted revisions to update the Facility Prioritization Procedure to incorporate the most current meteorological dataset (Version 9) and adjusting the calculation of the non-cancer acute score to account for short-term exposure at the facility fenceline. Staff has updated the Facility Prioritization Procedure to correct minor transcription errors from the September 2018 version.

### **Attachments**

1. Annual Report on AB 2588 Air Toxics “Hot Spots” Program
2. Facility Prioritization Procedure for the AB 2588 Program
3. Board Meeting Presentation

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**



**2018**

# **Annual Report on AB 2588 Air Toxics “Hot Spots” Program**



**SEPTEMBER 2019**

# **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**



## **Annual Report on AB 2588 Air Toxics “Hot Spots” Program**

**September 2019**

**Deputy Executive Officer**  
**Planning, Rule Development and Area Sources**  
Philip M. Fine, Ph.D.

**Assistant Deputy Executive Officer**  
**Planning, Rule Development and Area Sources**  
Sarah L. Rees, Ph.D.

**Planning and Rules Manager**  
**Planning, Rule Development and Area Sources**  
Tracy A. Goss, P.E.

---

Authors: Victoria Moaveni, Program Supervisor  
Fortune Chen, Senior Air Quality Engineer  
Alberto Jasso, Air Quality Specialist  
Kevin Chiu, Air Quality Engineer I  
Edward Lee, Air Quality Engineer I

Reviewed by: William Wong, Principal Deputy District Counsel

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
GOVERNING BOARD**

Chairman: DR. WILLIAM A. BURKE  
Speaker of the Assembly Appointee

Vice Chairman: BEN BENOIT  
Council Member, Wildomar  
Cities of Riverside County

**MEMBERS:**

LISA BARTLETT  
Supervisor, Fifth District  
County of Orange

JOE BUSCAINO  
Council Member, 15<sup>th</sup> District  
City of Los Angeles Representative

MICHAEL A. CACCIOTTI  
Council Member, South Pasadena  
Cities of Los Angeles County/Eastern Region

VANESSA DELGADO  
Senate Rules Committee Appointee

JANICE HAHN  
Supervisor, Fourth District  
County of Los Angeles

LARRY MCCALLON  
Mayor Pro Tem, Highland  
Cities of San Bernardino County

JUDITH MITCHELL  
Mayor, Rolling Hills Estates  
Cities of Los Angeles County/Western Region

V. MANUEL PEREZ  
Supervisor, Fourth District  
County of Riverside

DWIGHT ROBINSON  
Council Member, Lake Forest  
Cities of Orange County

JANICE RUTHERFORD  
Supervisor, Second District  
County of San Bernardino

VACANT  
Governor's Appointee

**EXECUTIVE OFFICER:**

WAYNE NASTRI

## Table of Contents

<b>Executive Summary .....</b>	<b>1</b>
<b>California’s Air Toxics “Hot Spots” Program .....</b>	<b>2</b>
Background.....	2
Emissions Reporting.....	2
Prioritization .....	2
Health Risk Assessments.....	3
<i>Hazard Identification.....</i>	<i>3</i>
<i>Exposure Assessment.....</i>	<i>4</i>
<i>Dose Response.....</i>	<i>4</i>
<i>Risk Characterization .....</i>	<i>4</i>
Public Notification.....	4
Risk Reduction Plans.....	4
Industrywide Sources .....	4
<b>South Coast AQMD’s Air Toxics AB 2588 “Hot Spots” Program.....</b>	<b>6</b>
Background.....	6
Program Implementation Elements .....	7
Progress in Implementing the AB 2588 Program.....	10
<i>Summary of South Coast AQMD Staff Activities for AB 2588 Facilities in 2018.....</i>	<i>12</i>
<i>Paramount - Air Monitoring Activities.....</i>	<i>15</i>
<b>Streamlining Activities .....</b>	<b>17</b>
Background.....	17
South Coast AQMD Guidelines and Procedures for AB 2588 .....	17
<i>Consolidated Emissions Reporting.....</i>	<i>17</i>
<i>Prioritization Procedures .....</i>	<i>17</i>
<i>Hotspots Analysis and Reporting Program (HARP).....</i>	<i>18</i>
<i>General Supplemental Guidelines .....</i>	<i>18</i>
<i>Voluntary Risk Reduction Program.....</i>	<i>18</i>
Air Dispersion Modeling .....	18
<i>Modeling Guidance .....</i>	<i>18</i>
<i>Meteorological Data.....</i>	<i>19</i>

Other Streamlining Activities .....	19
<i>Rule 1401 Guidance</i> .....	19
<i>Web tools</i> .....	19
<i>Small Business Assistance</i> .....	20
<i>Public Assistance</i> .....	20
<i>Continued Air Toxics Monitoring in Communities</i> .....	20
<i>Assembly Bill 617 (AB 617)</i> .....	21
State Level Air Toxics Related Activities .....	22
<i>OEHHA Updates</i> .....	22
<b>Future Activities</b> .....	<b>24</b>
AB 2588 Activities .....	24
<b>Appendix A — Description of Facilities/Projects</b> .....	<b>A-1</b>
<b>Appendix B — Summary of Toxic Air Contaminants in the South Coast Air Basin</b> .....	<b>B-1</b>
<b>Appendix C — Health Risks from Facilities with an Approved HRA</b> .....	<b>C-1</b>
<b>Appendix D — Approved Risk Reduction Plans and Voluntary Risk Reduction Plans</b> ...	<b>D-1</b>
Facilities with an Approved Rule 1402(f) Risk Reduction Plan .....	D-1
Facilities with an Approved Rule 1402(h) Voluntary Risk Reduction Plan .....	D-2
<b>Appendix E — List of Acronyms and Abbreviations</b> .....	<b>E-1</b>

## List of Figures

Figure 1 — Trends in Inhalation Cancer Risks in the Basin (1990-2017) .....	6
Figure 2 — Overview of the AB 2588 “Hot Spots” Program .....	10
Figure 3 — Distribution of Risks for AB 2588 Facilities with an Approved HRA .....	11
Figure 4 — Location of the monitoring sites in the City of Paramount .....	16
Figure B-1 — CARB toxic monitoring sites in the South Coast Air Basin .....	B-1
Figure B-2 — Trends in Inhalation Cancer Risks in the Basin (1990-2017) .....	B-3
Figure B-3 — Methylene Chloride Monitored Concentrations at Riverside Station, Averaged by Quarter (2000 to 2018) .....	B-3
Figure B-4 — Inhalation Cancer Risks in the Basin (2015 to 2017) (excluding DPM) .....	B-5
Figure B-5 — Non-cancer Chronic Risks in the Basin (2015 to 2017) .....	B-6
Figure B-6 — Non-cancer 8-Hour Chronic Risks in the Basin (2015 to 2017) .....	B-7



**List of Tables**

Table 1 — AB 2588 Facilities by Source Category .....	9
Table 2 — Rule 1402 Risk Reduction Categories .....	12
Table 3 — Actions Taken in 2018 for Facilities in the Traditional AB 2588 Program .....	12
Table 4 — Actions Taken in 2018 for Facilities in the Voluntary Risk Reduction Program .....	14
Table 5 — New or Revised Health Values in 2018 from OEHHA .....	22
Table 6 — 2017 Summary of EGBE Emitting Facilities .....	23
Table B-1 — Toxic Air Contaminants Monitored.....	B-2
Table B-2 — Change in Population and Vehicle Activity in the Basin Since 1990 .....	B-4
Table C-1 — Health Risks from Facilities with an Approved HRA (Listed in descending order by cancer risk).....	C-2
Table C-2 — Health Risks from Facilities with an Approved HRA (Listed by Facility ID) ...	C-15
Table D-1 — Status of Risk Reduction Plans.....	D-1
Table D-2 — Facilities with Approved Voluntary Risk Reduction Plans.....	D-2

## Executive Summary

The California Air Toxics “Hot Spots” Information and Assessment Act (AB 2588) was enacted in 1987. It is a key statewide program implemented by local air districts to address health risks from air emissions associated with existing permitted facilities. One of the main goals of AB 2588 is to provide the public with information regarding potential health effects from toxic air contaminants emitted from existing permitted facilities, and to develop plans to reduce associated risks. The South Coast Air Quality Management District (South Coast AQMD) implements AB 2588 requirements through Rule 1402, which includes additional requirements beyond the state law, including a program to encourage facilities to voluntarily reduce risk, and to compel high risk facilities to reduce toxic emissions much more quickly than previously required.

The AB 2588 Program as implemented under Rule 1402 is only one part of South Coast AQMD’s comprehensive program in regulating air toxics. Other elements include South Coast AQMD’s permitting program and Rule 1401 requirements, enforcement efforts to ensure facilities comply with all applicable air quality requirements, and the Multiple Air Toxics Emissions Study, a study measuring the amount of regional toxic air contaminants and their risks throughout the air basin. Additionally, within the past five years, South Coast AQMD has performed ambient air monitoring in many neighborhoods and found high levels of air toxic contaminants. This monitoring has helped to identify high risk facilities, thereby requiring them to implement risk reduction measures under Rule 1402. Monitoring will also be an important component for implementation of the AB 617 program that targets air pollution reductions in environmental justice communities.

Under state law, the South Coast AQMD is required to prepare an Annual Report of activities. This report fulfills that requirement and describes the South Coast AQMD’s ongoing efforts to regulate and reduce air toxic emissions.

The following summaries highlight key AB 2588 activities in 2018:

<b>AB 2588 and Rule 1402 Implementation Activities</b>	Prioritized 259 facilities based on their quadrennial toxic emission inventory updates
	Initiated 140 audits based on prioritization scores
	Reviewed 24 ATIRs, 17 HRAs, 5 RRP, 1 Early Action Reduction Plan, and 7 VRRPs, and 2 revised priority scores from 37 facilities
<b>Streamlining and Program Improvement Activities</b>	Updated AB 2588 Facility Prioritization Procedures
	Updated AB 2588 Supplemental Guidelines
	Updated AB 2588 Voluntary Risk Reduction Plan Guidelines
	Provided support to rulemaking and AB 617 staff
	Provided support in implementation of Rules 1420.2 and 1466

## California's Air Toxics "Hot Spots" Program

### Background

In 1987, the California legislature adopted the Air Toxics "Hot Spots" Information and Assessment Act. The "Hot Spots Act" was proposed under Assembly Bill 2588 and therefore is commonly referred to as AB 2588. Since exposure to toxic air contaminants may produce various adverse health impacts, AB 2588 incorporated certain goals such as to collect emissions data of toxic air contaminants from stationary sources, identify facilities having localized impacts, determine health risks, and notify affected individuals. The California Air Resources Board (CARB) has developed the AB 2588 Program requirements of the "Hot Spots" Act; however, local air districts are required to implement and enforce the requirements. This chapter describes the state requirements of the AB 2588 Program.

### Emissions Reporting

Facilities are subject to AB 2588 reporting requirements if they emit any toxic air contaminants listed by CARB in the *Emission Inventory Criteria and Guidelines for the Air Toxics "Hot Spots" Program* (CARB Emission Inventory Guidelines).<sup>1</sup> Under the AB 2588 Program, larger facilities (core facilities) are subject to individual reporting requirements while facilities that are generally small businesses are in the industrywide source (IWS) categories, which are described later in this chapter. CARB Emission Inventory Guidelines provides both criteria and direction for facilities to compile and submit air toxic emission data. The requirements within the CARB Emission Inventory Guidelines have been incorporated by reference into title 17 of the California Code of Regulations and thus are enforceable.

### Prioritization

Core facilities in the AB 2588 Program submit an air toxics inventory once every four years. The AB 2588 Program requires air districts to categorize each facility using the reported emissions as either high, intermediate, or low priority to determine if a facility needs to conduct a Health Risk Assessment (HRA) and to determine appropriate program fees. Guidance to prioritize facilities was provided at the state level in the *Facility Prioritization Guidelines*, August 2016, Air Toxics and Risk Managers Committee of the California Air Pollution Control Officers Association (CAPCOA Prioritization Guidelines).<sup>2</sup>

The CAPCOA Prioritization Guidelines presents two procedures for prioritizing facilities. The emission and potency procedure relies on three parameters to prioritize facilities: emissions, potency or toxicity, and the proximity of potential receptors; the dispersion adjustment procedure relies on four parameters: emissions, potency or toxicity, dispersion, and receptor proximity. While

---

<sup>1</sup> *Emission Inventory Criteria and Guidelines for the Air Toxics "Hot Spots" Program*, September 26, 2017, California Air Resources Board

<https://www.arb.ca.gov/ab2588/final/reg.pdf>

<sup>2</sup> <http://www.capcoa.org/wp-content/uploads/2016/08/CAPCOA%20Prioritization%20Guidelines%20-%20August%202016%20FINAL.pdf>

there are two procedures, both are similar in nature and involve calculating scores for separate health effects in order to derive a final score.

Using the procedures, a facility first receives separate scores for carcinogenic (cancer) effects and non-cancer chronic and acute effects. The facility is then given a Total Facility Score (TS) which is the higher of these scores. The Total Facility Scores are separated into three categories: high priority are those with TS greater than 10, intermediate priority for less than or equal to 10 but greater than one, and low priority for TS less than or equal to one. Once a facility is designated as high priority, they may be required to submit a Health Risk Assessment to assess the risk to their surrounding community. Facilities ranked with intermediate priority are considered to be District Tracking facilities and must continue to submit toxics emissions reports on a quadrennial basis. Facilities ranked with low priority may be eligible to be exempted from the AB 2588 Program altogether.

Priority Score	Category	Action
$TS > 10$	High Priority	Submit HRA
$1 < TS \leq 10$	Intermediate Priority	No HRA required; continue toxics emissions reports
$TS \leq 1$	Low Priority	May be eligible to be exempt from AB 2588 Program

### Health Risk Assessments

AB 2588 requires that the Office of Environmental Health Hazard Assessment (OEHHA) develop risk assessment guidelines for the program. The most recent version of these guidelines is the February 2015 version of *The Guidance Manual for Preparation of Health Risk Assessments*<sup>3</sup> (OEHHA HRA Guidelines). The 2015 OEHHA HRA Guidelines incorporated age sensitivity factors which resulted in increased cancer risk estimates by approximately three times. The OEHHA HRA Guidelines contains a description of the algorithms, recommended exposure variates, cancer and non-cancer health values, and the air modeling protocols needed to perform a HRA in accordance with the state AB 2588 Program. The entire risk assessment process can be characterized in four steps described below:

#### *Hazard Identification*

Hazard Identification involves identifying all toxic air contaminants emitted from a facility and whether these pollutants are potential human carcinogens or non-carcinogens containing other types of adverse health effects. A facility must identify all substances that are listed in the CARB Emissions Inventory Guidelines.

---

<sup>3</sup> <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>

### ***Exposure Assessment***

The purpose of the exposure assessment is to estimate extent of public exposure of emitted toxic air contaminants, and estimating exposures for which potential health effects will be evaluated. Evaluating exposure involves emission quantification, air dispersion modeling, and identifying exposure routes and exposure durations.

### ***Dose Response***

Dose-response assessment is the process of characterizing the relationship between exposure to a toxic air contaminant and the incidence of an adverse health effect in exposed populations. For dose-response, OEHHA has compiled cancer potency factors and non-cancer reference exposure levels (RELs) for certain toxic air contaminants. By using these factors along with the estimated exposure information for the toxic air contaminants identified during the hazard identification process, potential cancer and non-cancer risks can be evaluated during risk characterization.

### ***Risk Characterization***

Risk characterization is the final step of the risk assessment process. Modeled concentrations and exposure information determined through the exposure assessment process are used with cancer potency factors and non-cancer RELs to assess total cancer risk and noncarcinogenic health effects. An HRA shows the combined cancer risk and non-cancer risk for all toxic air contaminants emitted from a specific facility.

### **Public Notification**

Public notification is a core element of the AB 2588 Program requirements. California Health and Safety Code (H&S Code), Section 44362(b) requires the operator of the facility to provide notice to all exposed persons regarding the results of the HRA if the local air district finds there is significant health risk from the facility. The public notification procedures are specified by the local air districts.

### **Risk Reduction Plans**

In 1992, the California legislature added a risk reduction component, the Facility Air Toxic Contaminant Risk Audit and Reduction Plan (SB 1731), which required each air district to specify the significant risk level, above which risk reduction would be required. The requirements of SB 1731 are found in California H&S Code, Sections 44390 through 44394. The requirements are for facilities to audit and identify the source of toxic emissions and risk, then develop and carry out a plan to reduce the emissions and risk. This state law also presents an implementation timeline for risk reduction plans; however, local air districts may create more stringent timelines in their respective programs.

### **Industrywide Sources**

Under the AB 2588 Program individual air districts may designate separate IWS categories. Facilities falling into this category are generally small businesses where individual compliance would impose economic hardship. The advantage to industrywide categories is that compliance may be handled collectively for each category rather than each individual facility. For each IWS

category, a district may prepare an industrywide emission inventory and HRA. The California Air Pollution Control Officers Association (CAPCOA), in cooperation with OEHHA and CARB develop IWS risk assessment guidelines.<sup>4</sup> These guidelines provide a cost-effective and uniform method for calculating facility emissions and estimating toxic risks for these facilities under each air district's jurisdiction.

The requirements for designating individual IWS categories are:

- facilities must emit less than 10 tons per year of criteria pollutants;
- facilities share a common Standard Industrial Classification (SIC) code;
- the majority of the class are small businesses;
- individual compliance would impose severe economic hardships; and
- emissions are easily and generically characterized.

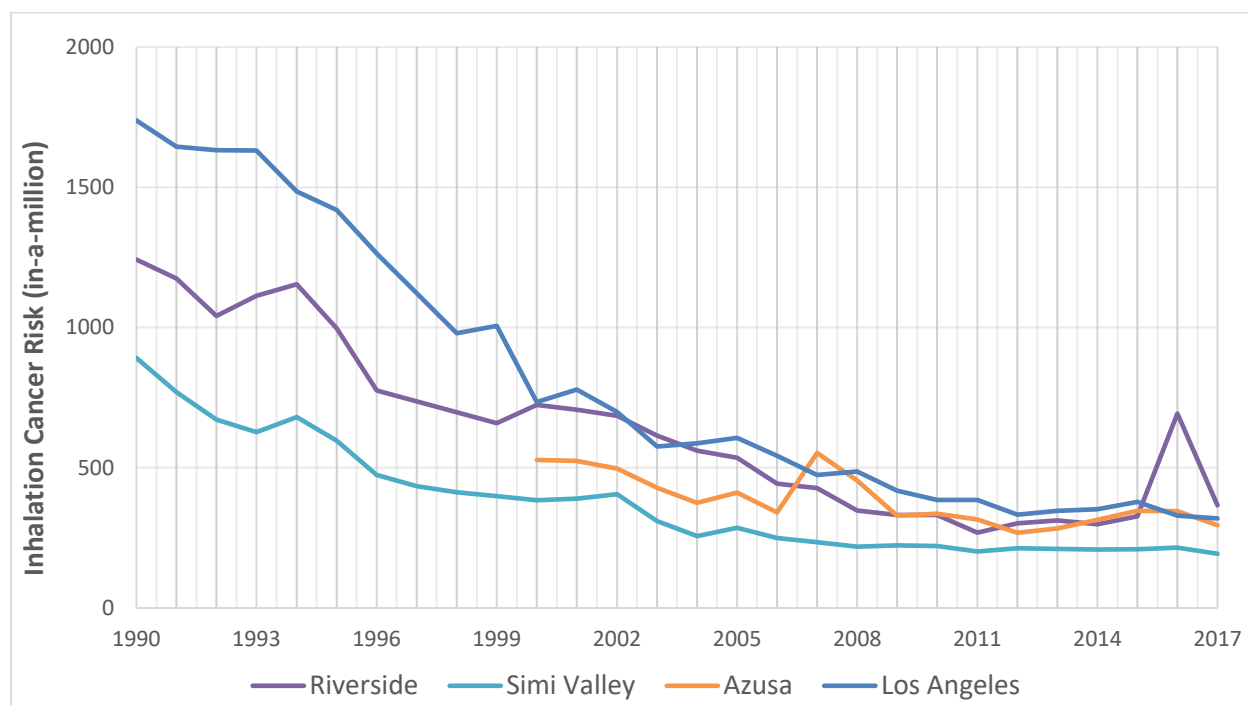
---

<sup>4</sup> Three IWS risk assessment guidelines have been published: autobody shops, dry cleaners, and retail gasoline stations <https://ww3.arb.ca.gov/ab2588/riskassess.htm>

## South Coast AQMD's Air Toxics AB 2588 "Hot Spots" Program

### Background

The South Coast AQMD's AB 2588 Program incorporates the requirements of the state AB 2588 program, as well as additional and/or more stringent requirements. Despite being one of the smoggiest urban areas in the U.S., South Coast AQMD has achieved significant reductions in air toxics in the Basin. For example, monitoring studies have shown that cancer risks have decreased by more than 50 percent in the past decade alone.<sup>5</sup> While these reductions were primarily attributable to reductions in diesel particulate matter, there have also been a significant reduction in risks from stationary source facilities. The AB 2588 Program as implemented by South Coast AQMD has played a significant role in achieving those reductions, by improving public awareness thereby leading many businesses to voluntarily reduce their toxic emissions, and through mandatory risk reductions triggered by facilities exceeding health risk thresholds. Figure 1 below demonstrates the reductions in risk that have been achieved despite the substantial number of facilities located within our district.



**Figure 1 — Trends in Inhalation Cancer Risks<sup>6</sup> in the Basin (1990-2017)**

South Coast AQMD Rule 1402 - Control of Toxic Air Contaminants from Existing Sources implements various aspects of AB 2588 and SB 1731 including public notification and risk reduction requirements for facilities. Rule 1402 adopts health risk thresholds and implementation

<sup>5</sup> Reductions measured between the Multiple Air Toxics Exposure Studies (MATES) versions III and IV: [https://www.aqmd.gov/docs/default-source/default-document-library/mates-v-admin-comm-presentation-060917final\\_jg.pdf](https://www.aqmd.gov/docs/default-source/default-document-library/mates-v-admin-comm-presentation-060917final_jg.pdf)

<sup>6</sup> Calculated with 2015 OEHHA Risk Assessment Guidelines, excluding cancer risks from DPM.

schedules that are above what are specified in AB 2588 and SB 1731. Rule 1402 was most recently amended in October 2016. This most recent amendment included a new provision beyond what is required under state law. This provision created a Voluntary Risk Reduction Program that allows facilities to implement early risk reduction measures that go beyond the normal risk reduction thresholds in exchange for an alternative public notification process. At the same time, a Potential High Risk Level facility category was also created. Facilities designated under the Potential High Risk Level category must comply with expedited schedules for submitting an Air Toxics Inventory Report (ATIR) and HRA reports and for reducing risk. Both the Voluntary Risk Reduction Program and the new Potential High Risk Level category result in facilities evaluating and reducing their associated air toxics risks faster than would occur under the state AB 2588 program alone.

### Program Implementation Elements

Under South Coast AQMD's AB 2588 Program, core facilities are categorized into four groups, or phases. Phases are assigned to discrete reporting years with each phase reporting once every four years. Currently, there are over 400 core facilities that are subject to the main components of the South Coast AQMD's AB 2588 Program as categorized in Table 1. These are:

- **Emissions Reporting** – Since the FY 2000-01 reporting cycle, toxics emissions reporting for the AB 2588 Program was incorporated into South Coast AQMD's Annual Emissions Reporting (AER) Program. Core facilities must report emissions for 23 toxic air contaminants through the AER Program. Since there are four phases, each core facility is required to submit reporting 177 toxic air contaminants during the quadrennial reporting year. This more detailed inventory serves as a foundation for an ATIR, if required.
- **Prioritization** – South Coast AQMD uses a refined method for prioritizing facilities based on CAPCOA Guidelines. The current South Coast AQMD Procedure incorporates the revised risk calculation methodologies from the 2015 OEHHA HRA Guidelines. The South Coast AQMD Prioritization Procedure is described in more detail in the *Streamlining Activities* chapter.

In 2018, 259 facilities were required to report their quadrennial toxic emission inventory updates. Based on emissions inventory submittals, South Coast AQMD staff calculated priority scores for these facilities.

- **Health Risk Assessment** – High priority facilities (those with priority scores greater than ten), including those that qualify for the Voluntary Risk Reduction Program, are required to prepare an ATIR, a complete and detailed inventory of approximately 450 toxic air contaminants, along with detailed information about the processes and release points using the Emissions Inventory Module from the latest CARB Hotspots Analysis and Reporting Program (HARP). For facilities participating in the traditional pathway, if the ATIR indicates that the facility is still considered a high priority, the facility must prepare an HRA that conforms to the OEHHA HRA Guidelines. Specific instructions for the South Coast AQMD are also available in the *AB 2588 and Rule 1402 Supplemental Guidelines, (Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots"*



*Information and Assessment Act*).<sup>7</sup> This document is commonly referred to as the AB 2588 Supplemental Guidelines.

- **Public Notification** – If the health risk reported in the HRA exceeds the Notification Risk Levels of Rule 1402, then the facility is required to provide public notice to the affected community. The Notification Risk Levels of Rule 1402 are triggered when cancer risk from the facility exceeds 10 in-a-million, or when the acute or chronic hazard indices are greater than 1. The requirements for public notification are described in the *South Coast AQMD Public Notification Procedures for Facilities Under the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588) and Rule 1402*, October 2016 (South Coast AQMD Public Notification Procedure).<sup>8</sup> These requirements emphasize transparency in communicating risk to the affected community in the following ways:
  - The notice must clearly identify the area above the notification thresholds
  - The notice must be distributed to all addresses (individual residences and workplaces), and to parents of children attending school in the area of impact.
  - The approved HRA must also be provided to all schools in the area of impact.
  - South Coast AQMD conducts a public meeting to describe the HRA results to the affected community and to answer questions from community members.
- **Risk Reduction** – Rule 1402 adopts stringent health risk thresholds and aggressive implementation schedules that are beyond the traditional AB 2588 and SB 1731 state requirements (see Table 2 below). Under state requirements, facilities exceeding a significant risk threshold must reduce risk within five years. Under Rule 1402, Potential High Risk Level facilities must submit an Early Action Reduction Plan to immediately reduce risk, followed by a detailed Risk Reduction Plan designed to comprehensively reduce risk. The Risk Reduction Plan under Rule 1402 must be implemented as quickly as feasible, but no later than two years after approval. Facilities exceeding the Action Risk Level under Rule 1402 must also implement risk reduction plans no later than two and a half years after risk reduction plan approval.<sup>9</sup> Rule 1402 also includes an optional Voluntary Risk Reduction Program provision that is designed to achieve risk reductions that are not otherwise required under state program requirements. In order to qualify for the Voluntary Risk Reduction Program, a facility must have a previously approved HRA and must not be designated as a Potentially High Risk Level facility.

---

<sup>7</sup> AB 2588 and Rule 1402 Supplemental Guidelines, (*Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act*), September 2018, South Coast AQMD.

<sup>8</sup> [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/pn\\_procedures.pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/pn_procedures.pdf)

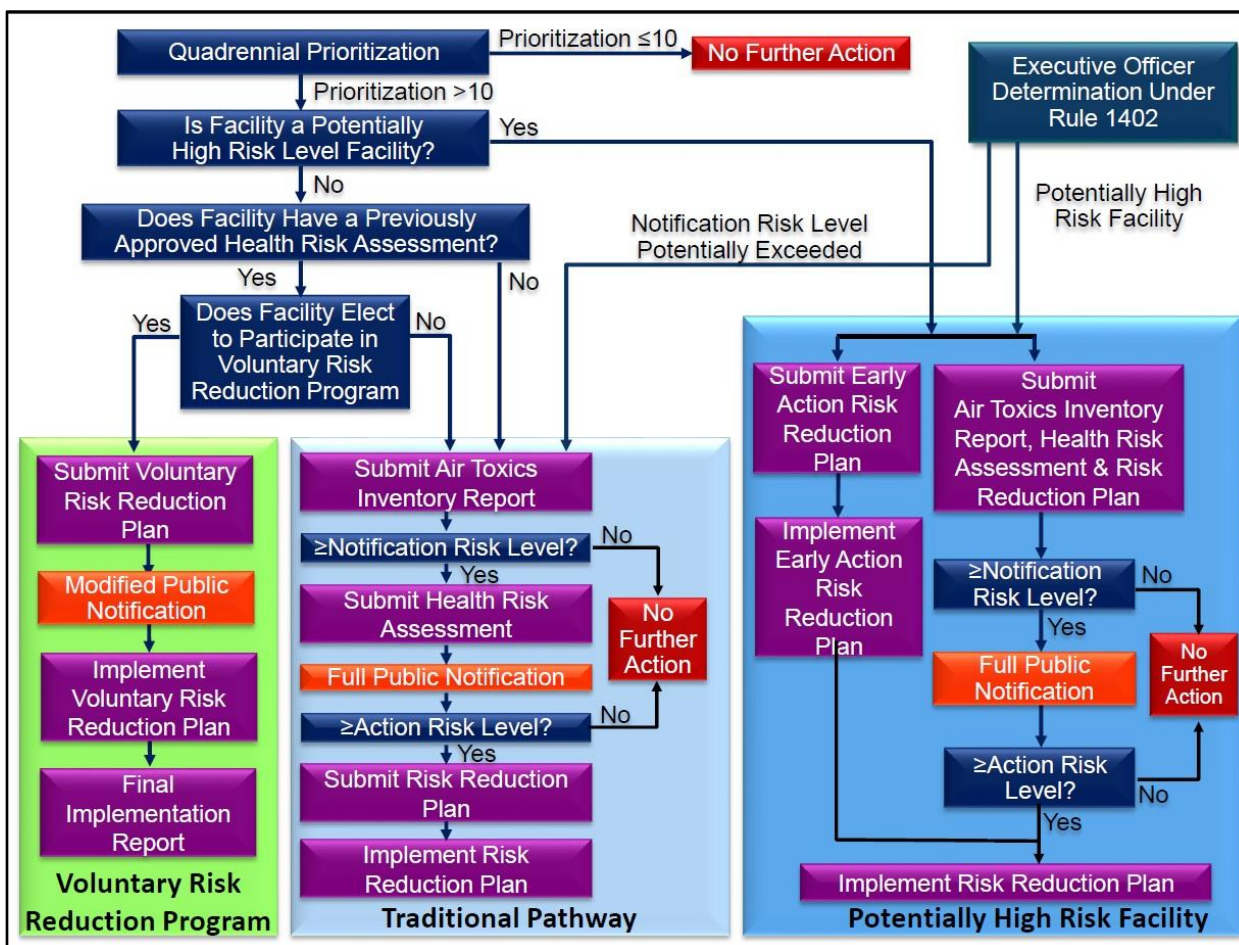
<sup>9</sup> Rule 1402 allows extensions but only for those facilities that meet certain requirements. Extensions are not allowed if for any facilities exceeding the Significant Risk Level. Even with extensions, the implementation timelines are shorter than state requirements.

- **Fees** – State and local costs of implementing the Act are recovered through annual fees. As described previously, AB 2588 requires each district to recover state and district program costs. These fees are specified in South Coast AQMD Rules 307.1.

**Table 1 — AB 2588 Facilities by Source Category**

<b>Facility Categories</b>	<b>Number of Facilities</b>
Airports	1
Amusement Parks	2
Entertainment	5
Harbors	1
Hospitals and Health-Related	30
Military Base	4
Office Buildings	1
Schools and Educational Institutions	16
Other Institutional/Commercial	20
Other Service/Commercial	5
Dairy/Poultry Farms	9
Other Agricultural Processing	2
Fermentation and Brewing (Breweries/Distilleries/Wineries)	1
Food flavoring manufacturing	1
Pharmaceuticals	4
Other Food Processing Facility	1
Bulk Plants	19
Terminal Depots	13
Electricity Generation	34
Petroleum Refinery	11
Crude Oil Production	35
Aerospace	42
Building/Construction/Mineral Products	43
Cement Production	1
Chemical Plants	11
Electronic	4
Furniture/Household Products	2
Glass Production	1
Hydrogen Production	3
Iron and Steel Production	6
Metal and Alloys Products	28
Printing/Publishing	2
Pulp and Paper Manufacturing	5
Other Industrial/Manufacturing	61
Landfill - Industrial Waste	1
Landfill - Municipal Solid Waste	20
Wastewater Treatment - Industrial	1
Wastewater Treatment - Municipal	21
Other Waste Disposal	2
<b>Total Facilities</b>	<b>469</b>

Figure 2 below shows the process used by South Coast AQMD to implement AB 2588 under Rule 1402.

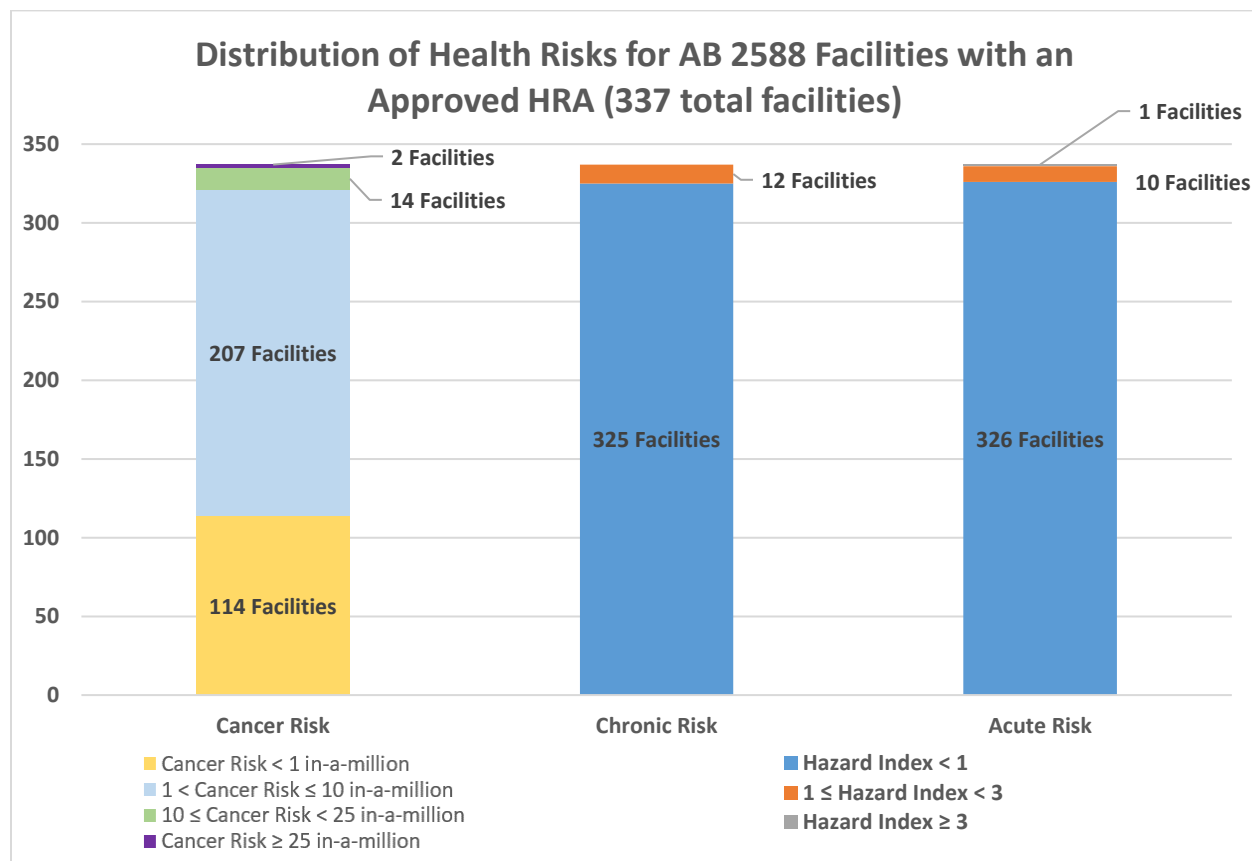


**Figure 2 — Overview of the AB 2588 “Hot Spots” Program**

### Progress in Implementing the AB 2588 Program

From the beginning of the AB 2588 Program in 1987 through the end of 2018, staff has reviewed and approved 344 HRAs from 337 facilities. There are more approved HRAs than facilities as some facilities have prepared more than one HRA. Of these 337 facilities, 27 were required to implement risk reduction measures, 59 were required to perform public notification activities, while the remaining facilities were below the public notification threshold. As a result of the AB 2588 Program, about 95 percent of facilities that have been in the Program historically have HRAs demonstrating cancer risks below ten in-a-million and a hazard index (HI) of less than 1.0 for both non-cancer acute and non-cancer chronic, or their emissions have been low enough to not require an HRA. The summary of risks from approved HRAs illustrated in Figure 3 is based on the information in Appendix C, which lists the core facilities and the health risks from their approved HRAs. Table C-1 in Appendix C lists the facilities in order of their cancer risks and Table C-2 in Appendix C lists the same facilities ordered by facility ID. Table D-1 in Appendix D lists facilities which have prepared a Risk Reduction Plan (RRP) for the AB 2588 Program and

their corresponding health risks [H&S Code 44363(a) (2) and (3)] and Table D-2 in Appendix D lists facilities which have successfully participated in the voluntary risk reduction program. Appendix E contains a list of acronyms and abbreviations used in this report.



**Figure 3 — Distribution of Risks for AB 2588 Facilities with an Approved HRA**

**Table 2 — Rule 1402 Risk Reduction Categories**

<b>Rule 1402 Levels</b>	<b>Thresholds</b>	<b>Requirements</b>	<b>RRP Implementation Timeline</b>
Notification Risk Level	Cancer risk of 10 in-a-million or greater Acute or chronic HI of 1.0 or greater Exceeding lead National Ambient Air Quality Standard (NAAQS)	Public notification	No risk reduction required
Voluntary Risk Level	Cancer risk of 10 in-a-million or greater Acute or chronic HI of 1.0 or greater Exceeding lead National Ambient Air Quality Standard (NAAQS)	Public notification (modified) and implement VRRP	No later than 2.5 years after approval of plan (an additional 2.5 years extension may be requested)
Action Risk Level	Cancer risk greater than 25 in-a-million Cancer burden of 0.5 or more Acute or chronic HI of 3.0 or more Exceeding lead NAAQS	Public notification and implement RRP	No later than 2.5 years after approval of plan (an additional 2.5 years extension may be requested)
Significant Risk Level	Cancer risk of 100 in-a-million or greater Cancer burden of 0.5 or more Acute or chronic HI of 5.0 or more	Public notification and implement RRP	No later than 2 years after approval of plan for facilities designated as Potentially High Risk Facilities

***Summary of South Coast AQMD Staff Activities for AB 2588 Facilities in 2018***

In 2018, staff addressed facilities in various stages of the AB 2588 process and initiated audit activities on 140 facilities with priority scores greater than 10. Key activities conducted include review of 24 ATIRs, 17 HRAs, five RRP, one Early Action Reduction Plan, seven Voluntary Risk Reduction Plans (VRRPs), and two revised priority scores. Many of these key activities were for facilities that tend to have more sources and are more complex such as refineries and other industrial facilities. Overall, a total of 196 documents were reviewed in 2018 from 37 facilities, with some facilities having multiple documents submitted for South Coast AQMD staff review. Table 3 presents a summary of key activities for facilities participating in the traditional AB 2588 Program and Table 4 presents a summary of key activities for facilities participating in the Rule 1402 Voluntary Risk Reduction Program.

**Table 3 — Actions Taken in 2018 for Facilities in the Traditional AB 2588 Program**

Facility Name	ID #	ATIR			HRA			RRP			Public Notification	Status
		R	C	A	R	C	A	R	C	A		
Aerocraft Heat Treating Co Inc <sup>a</sup>	23752		X	X	X	X	X	X	X		X	Public meeting held on 12/1/2018
Anaplex Corp <sup>a</sup>	16951	X	X	X	X	X	X	X	X		X	Public meeting held on 12/1/2018
Arconic Global Fasteners & Rings, Inc.	134931				X							
The Boeing Company <sup>b</sup>	16660											Revised Priority Score < 10
Boral Roofing LLC	1073			X	X		X				X	

Facility Name	ID #	ATIR			HRA			RRP			Public Notification	Status
		R	C	A	R	C	A	R	C	A		
Eisenhower Medical Center	3671	X										
Equilon Enter. LLC, Shell Oil Prod. US <sup>b</sup>	800372	X		X	X							
Fontana Paper Mills Inc	11716			X								
Garrett Aviation Services LLC dba Standard Aero	155828											Facility is no longer in business
Gerdau/TAMCO	18931											See Appendix A.12
Glendale City, Glendale Water & Power <sup>b</sup>	800327			X	X							
GS II, Inc. <sup>b</sup>	183567						X				X	
Hixson Metal Finishing	11818											See Appendix A.15
Holliday Rock Co., Inc.	41580											Notified to submit ATIR, due in 2019
Kirkhill Inc <sup>b</sup>	187823	X		X								HRA submittal due in 2019
Lubeco Inc <sup>a</sup>	41229	X		X	X							
MM West Covina LLC <sup>b</sup>	113873			X	X							
Phillips 66 Co/LA Refinery Wilmington Plant <sup>b</sup>	171107											See Appendix A.23
Quemetco Inc	8547									X		
So Cal Edison Co Pebbly Beach <sup>b</sup>	4477	X										
So Cal Gas Co./Playa del Rey Storage Facility	8582			X	X							
SoCal Holding, LLC <sup>b</sup>	169754	X		X	X							
Southern California Edison <sup>b</sup>	160437	X										
Triumph Processing, Inc. <sup>b</sup>	800267	X		X								Revised Priority Score < 10
TST, Inc. <sup>b</sup>	43436	X										
Univ Cal, Riverside	49387						X					

## Notes:

For ATIRs, HRAs, and RRP: R=Report Received; C=Comment letter sent to facility; A=Report Approved.

<sup>a</sup> Classified as Potentially High Risk Level Facility and under an Order for Abatement during 2018.

<sup>b</sup> Indicates facility notified to prepare either an ATIR or a VRRP. Facilities listed in this table elected to prepare an ATIR.

**Table 4 — Actions Taken in 2018 for Facilities in the Voluntary Risk Reduction Program**

Facility Name	ID #	VRRP			Status
		R	C	A	
Chevron Products Co.	800030				VRRP approved early 2019
Elite Comfort Solutions	182610	X			
LA City, Sanitation Bureau (HTP)	800214		X		
Orange County Sanitation District, Fountain Valley	17301			X	
Orange County Sanitation District, Huntington Beach	29110			X	
Phillips 66 Company/Los Angeles Refinery	171109				VRRP approved early 2019
Tesoro Refining & Marketing Co LLC, Calciner	174591		X		
Tesoro Refining And Marketing Co, LLC	800436				See Appendix A.31
	174655				
	174694				
	174703				
Tesoro Refining And Marketing Co, LLC (Sulfur Recovery Plant)	151798		X		
Torrance Refining Company LLC	181667				See Appendix A.33
Ultramar Inc	800026		X		

Notes:

For VRRPs: R=Report Received; C=Comment letter sent to facility; A=Report Approved.

A description of these activities for each facility in Tables 3 and 4 is listed in Appendix A

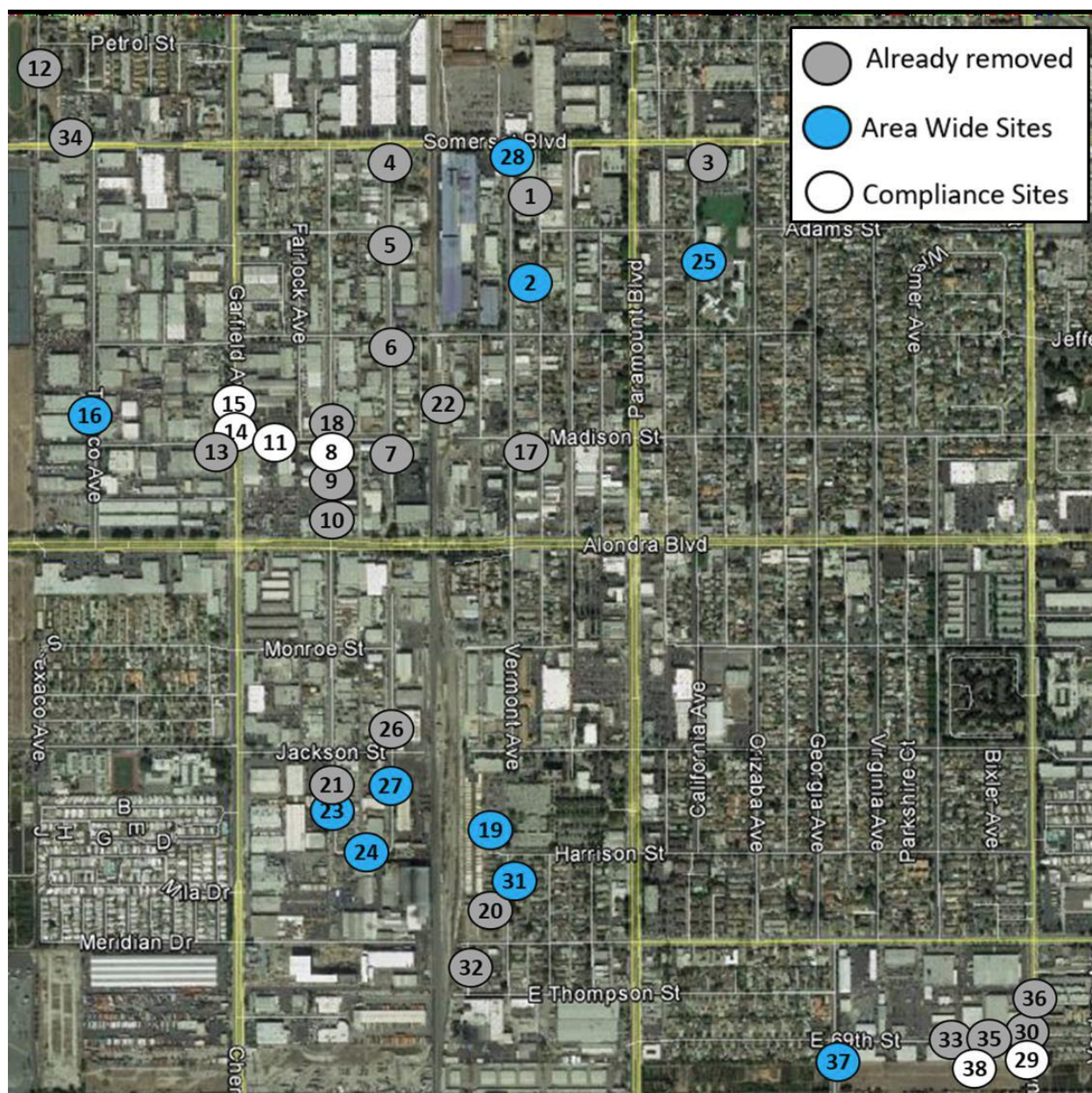


### ***Paramount - Air Monitoring Activities***

In addition to the AB 2588 Program, South Coast AQMD also conducts other activities to address air toxics, including special monitoring projects. In 2013, South Coast AQMD staff began conducting an investigation into local sources of emissions, including initiating a local air sampling study after receiving a series of metallic odor complaints from local community members in the City of Paramount (Paramount) and surrounding areas. The purpose of these activities was to determine the source of emissions and potential air pollution control strategies. This investigation focused on two toxic metals of concern: nickel and hexavalent chromium. In July 2016, a larger number of samplers were deployed to allow South Coast AQMD to better measure spatial and temporal variations of hexavalent chromium in the area and identify its potential sources. In October 2016, South Coast AQMD initiated an extensive air monitoring campaign to assess levels of hexavalent chromium in the industrialized sections of Paramount. Highly elevated levels were found initially and additional efforts were conducted to identify and address sources of hexavalent chromium that were impacting nearby communities. Once potential sources were identified, the sampling strategy was adjusted to focus on specific facilities and on characterizing hexavalent chromium levels in the adjacent communities. As a result, several facilities made a range of improvements, some voluntary and some through rule changes and enforcement actions. These changes have substantially reduced ambient hexavalent chromium levels in Paramount and surrounding areas. As a result, South Coast AQMD is updating its air monitoring efforts in Paramount to focus on conducting studies to evaluate other potential sources of hexavalent chromium and also monitoring other areas of the Basin that may have higher potential for air toxics exposure.

Throughout this period, air monitoring in Paramount has occurred at a total of 38 locations as shown in Figure 6, and 12 schools. School sampling has been supported by CARB. Currently, South Coast AQMD collects air samples for hexavalent chromium analysis at 16 locations in the City of Paramount. Among these active monitoring locations, six are adjacent to facilities that are operated under an Order of Abatement during 2018 with South Coast AQMD's independent Hearing Board ("Compliance" sites; see Figure 6). The remaining monitoring sites are close to other potential sources or near residential areas and sensitive receptors of Paramount. Because hexavalent chromium levels in Paramount have been declining steadily and are now within the typical levels, the size of this monitoring network can be reduced to focus on other areas that have higher potential for air toxics exposure.





**Figure 4 — Location of the monitoring sites in the City of Paramount**

## Streamlining Activities

### Background

South Coast AQMD has undertaken several efforts to help affected facilities comply with rule requirements and to interact with the public regarding general air quality-related issues. This chapter describes these efforts along with the services created to advance these efforts.

### South Coast AQMD Guidelines and Procedures for AB 2588

#### *Consolidated Emissions Reporting*

As described earlier, core AB 2588 facilities are required to provide an update of their toxics emissions inventory to South Coast AQMD on a quadrennial basis. Beginning with the fiscal year 2000-01 reporting cycle, toxics emission reporting was incorporated into South Coast AQMD's Annual Emissions Reporting (AER) Program. This was the first step towards streamlining emissions reporting between criteria pollutants and toxics. In 2008, South Coast AQMD created a web-based reporting system for facilities. The reporting tool automatically identifies if a facility is in the AB 2588 Program and also informs a facility if a particular year is subject to a quadrennial update. These upgrades and consolidation efforts have made for a much more efficient system that benefits both facilities and South Coast AQMD staff.

#### *Prioritization Procedures*

South Coast AQMD has taken various steps over the years in streamlining prioritization procedures for the AB 2588 Program while maintaining consistency with the CAPCOA guidelines. In 2016, South Coast AQMD adopted the use of local meteorological stations and evaluated risks at actual closest receptor locations in addition to evaluating receptors in the worst case wind direction. Most recently in July 2018, the procedures were updated to incorporate the most recent meteorological data set and to simplify the calculation of a facility's non-cancer acute priority score. By using the South Coast AQMD Prioritization Procedure, fewer facilities are incorrectly categorized as high priority.<sup>10</sup> This streamlining is highly effective since less facilities are immediately notified each year.

The AB 2588 group also conducts a detailed audit of those facilities that are initially categorized as high priority to ensure proper designation. Certain steps may include confirming the correct use of emission factors, control efficiencies, source test methods, and relative proportions of toxic air contaminants. Additionally, staff confirms the correct distances to residential and worker receptors as well as any modifications to any equipment for the given quadrennial year and contacts the facility as needed for additional clarification. This additional information obtained through priority score auditing will often negate the need to require an ATIR and HRA. This process and use of this refined priority scoring methodology serves to reduce the number of facilities that are required to be notified and overall reduces unnecessary workload for the facilities and for staff.

---

<sup>10</sup> <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-facility-prioritization-procedure-201809.pdf>

### ***Hotspots Analysis and Reporting Program (HARP)***

The Hotspots Analysis and Reporting Program, commonly known as HARP, is a software suite developed by CARB that assists with the technical requirements of the AB 2588 Program. HARP consists of three independent modules: the Emissions Inventory Module, Air Dispersion Modeling and Risk Tool, and Risk Assessment Standalone Tool. South Coast AQMD requires the use of HARP for Rule 1402 related work such as ATIRs, VRRPs, and HRAs. The use of HARP by facility operators, and other individuals promotes consistency and a more efficient and cost-effective way to develop inventories and conduct HRAs.

### ***General Supplemental Guidelines***

The OEHHA HRA Guidance defers to local air districts for specific or additional requirements. The AB 2588 Supplemental Guidelines lists the specific instructions for preparing AB 2588-related documents in South Coast AQMD. By clearly indicating what is required from facilities and by periodically updating the document as needed, South Coast AQMD ensures that facilities have a clear and up to date understanding of all requirements. This will also minimize the amount of general inquiries and preliminary discussions, provided for a more efficient process.

### ***Voluntary Risk Reduction Program***

Another element streamlining the South Coast AB 2588 Program is the provision for the Voluntary Risk Reduction Program. We amended Rule 1402 to provide this option in response to industry interest in a mechanism to voluntarily reduce health risks from their facilities in return for modified public notification requirements. A facility may participate in the Voluntary Risk Reduction Program only if it has a previously approved HRA that is below the Action Risk Level and is not a Potentially High Risk Level facility. This program provides a more expeditious risk reduction program than the traditional pathway under state requirements, and also reduces notification requirements and other process for participating facilities. Under the traditional program, facilities are required to reduce cancer risk below 25 in-a-million. To successfully participate in the Voluntary Risk Reduction Program, risks from the participating facility must be reduced below 10 in-a-million, which is up to 60% reduction in cancer risk. To further expand the use of the Voluntary Risk Reduction Program and assist facilities, the AB 2588 staff developed guidelines that describe the requirements of a VRRP in September 2018.<sup>11</sup>

### ***Air Dispersion Modeling***

#### ***Modeling Guidance***

The United States Environmental Protection Agency's (U.S EPA) air quality dispersion model AERMOD is required for use to estimate concentrations of toxic air contaminants for risk assessments conducted pursuant to Rules 1401 and 1402. The AERMOD model is a steady-state Gaussian plume model capable of estimating pollutant concentrations from a wide variety of

---

<sup>11</sup> South Coast AQMD Guidelines for Participating in the Rule 1402 Voluntary Risk Reduction Program, September 2018

<http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-vrrp-guidelines-201809.pdf>



sources that are typically present at a facility. It is a stand-alone application, but has also been incorporated into the CARB-developed HARP program as well as other programs from third party developers. South Coast AQMD has developed guidance regarding the use of AERMOD to assist modelers such as the use of regulatory defaults, averaging times, receptor grids and elevation data.<sup>12</sup> The AB 2588 Program staff has provided specific guidance regarding the required parameters in the HARP program. This guidance not only increases the quality of submissions but also decreases the amount of time spent by staff to answer basic questions.

### ***Meteorological Data***

South Coast AQMD has prepared meteorological data from 24 stations throughout the South Coast Air Basin for download. The South Coast AQMD website includes a map showing the locations of each of these meteorological stations along with the corresponding most recent five years of meteorological data for each station. The meteorological station that best represents the facility's meteorological conditions (such as prevailing winds), terrain, and surrounding land use should be used in all modeling analyses. In many cases, this would be the nearest located station. South Coast AQMD staff are available to provide assistance to modelers to ensure the most representative station is used.

## **Other Streamlining Activities**

### ***Rule 1401 Guidance***

Rule 1401 requires any new, modified, or relocated permit units which emit toxic air contaminants to comply with certain allowable limits. South Coast AQMD has developed the Rule 1401 Risk Assessment Procedures<sup>13</sup> to assist applicants as well as staff to evaluate Rule 1401 and 1401.1 compliance. The guidance document provides four tiers to determine health risk for Rule 1401 risk assessment, ranging from a quick look up table that uses very conservative health-protective values, to instructions to conduct detailed risk assessments involving air quality dispersion modeling analysis. By allowing permit applicants to utilize this tiered option to demonstrate compliance with risk limits, this often times leads to an expedited analysis since detailed risk assessments often are not necessary for most permit applications. The document also provides detailed sample calculations and instructions for each tier, allowing facilities to have a more thorough understanding of the risk assessment process associated with Rule 1401.

### ***Web tools***

South Coast AQMD has also developed web tools such as the Facility Information Detail (F.I.N.D) tool that allows a user to search for public information about South Coast AQMD-regulated facilities. Some of the facility information that can be found using F.I.N.D include: general facility details, equipment lists, compliance history, emissions inventory (including toxic pollutants), and

---

<sup>12</sup> South Coast AQMD modeling guidance is available at:

<http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>

<sup>13</sup> Risk Assessment Procedures for Rules 1401, 1401.1 and 212, Version 8.1, September 1, 2017, South Coast AQMD

<http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf>

<http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/attachmentn-v8-1.pdf>

hearing board information. There are several existing web-based applications on South Coast AQMD's website that provide similar information, however, F.I.N.D makes the data available in a much more consolidated and user friendly way. Updates to the database are made at least once per week and the tool also includes a very useful interactive map with aerial imagery from the U.S Geological Service.<sup>14</sup>

### ***Small Business Assistance***

South Coast AQMD has a team of engineers and inspectors that are specifically designated to help small businesses (100 or fewer employees or an annual gross revenue up to \$5 million) understand and comply with air quality rules and regulations. Whether it is assistance in understanding regulations that may apply to a facility, identifying equipment that may need a permit, assistance with permit applications, or even scheduling a no fault on-site inspection, the small business assistance unit act as advocates for these small businesses. Offering these services to smaller businesses serves to streamlines efforts to regulate air quality while also creating a positive open working relationship with small local businesses.

### ***Public Assistance***

The South Coast AQMD's AB 2588 Program provides public assistance services that includes both a hotline at (909) 396-3610 and email address ([ab2588@aqmd.gov](mailto:ab2588@aqmd.gov)) to answer any program-related questions. Our website also includes a section specifically dedicated to the AB 2588 Program that provides up to date activities, including approved HRAs, RRP's, and public notices, and information on air toxics monitoring in local communities, such as in Paramount.

South Coast AQMD also provides several other services, such as a telephone number to answer fee-related questions, an online complaint system and telephone number where members of the public can notify staff of air quality problems, such as odor and visible emissions.<sup>15</sup> These services help to maintain good working relationships with facilities and to protect air quality and public health.

### ***Continued Air Toxics Monitoring in Communities***

As a result of lessons learned during South Coast AQMD's investigation into air monitoring for sources of toxic metal emissions in Paramount and other areas, staff continues to investigate, identify and remediate any additional sources across our four-county region that may emit high levels of toxic air contaminants. South Coast AQMD will systematically identify and prioritize high-risk facilities, then use the latest air monitoring technology to confirm specific sources causing high emissions associated with metal-processing facilities. If identified, South Coast AQMD will seek Orders for Abatement from the independent South Coast AQMD Hearing Board to require these facilities to reduce their emissions to a level that does not pose an immediate threat to public health quickly.

---

<sup>14</sup> <http://www.aqmd.gov/nav/FIND/facility-information-detail>

<sup>15</sup> <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>;

Telephone hotline: 1-800-CUT SMOG® (1-800-288-7664)

The goal is to eliminate or minimize the release of hexavalent chromium into the environment associated with metal-processing facilities. This program is expected to be a seven-year, labor-intensive effort with the air monitoring portion costing approximately \$6 million to \$7 million annually. It will focus on a variety of metal processing facilities across South Coast AQMD's four-county jurisdiction with the potential to emit toxic metal contaminants including hexavalent chromium, lead, arsenic, cadmium and nickel.

As with the process in Paramount, South Coast AQMD staff will engage and communicate regularly about its work with residents, community groups, local governments and their elected officials, partner regulatory agencies, affected facilities and industry groups. South Coast AQMD will seek to leverage the regulatory authorities of other agencies to assist in swiftly curtailing emissions from high-emitting facilities.

### ***Assembly Bill 617 (AB 617)***

AB 617 was passed by the California legislature in 2017 and focuses on improving air quality and public health in environmental justice communities. This law first allows local residents to provide recommendations for the selection of the environmental justice communities. South Coast AQMD will use updated data to assess the communities most affected, to identify key sources of pollution and develop targeted emissions reduction plans to reduce community exposures to air pollution. A small number of communities have been selected for the first year and other communities will be added over time.

For each selected community, South Coast AQMD will work with local stakeholders to evaluate their greatest air pollution concerns. Depending on the needs of each community, South Coast AQMD may conduct targeted community air monitoring and develop a tailored community air plan. South Coast AQMD will work with CARB, other agencies, and all stakeholders to implement these community air plans to reduce local air pollution emissions and benefit public health. In September 2018, CARB approved three communities in our region for the first year of this program:

- Wilmington, Carson, West Long Beach
- East Los Angeles, Boyle Heights, West Commerce
- San Bernardino, Muscoy

South Coast AQMD has convened a Community Steering Committee in each of the three communities with the purpose of identifying specific community air quality concerns, discussing resolutions, and developing recommendations for improving the local air quality. These committees work closely with South Coast AQMD and CARB to discuss emissions reductions targets and strategies to inform a tailored community air plan that addresses the community's highest priority concerns. South Coast AQMD will deploy systems to monitor air quality in selected communities where this information is most needed. The analysis of the data collected will inform future community emissions reduction plans and will be used to track progress. This information will also be shared with the public and CARB.

## State Level Air Toxics Related Activities

### *OEHHA Updates*

#### *Toxic Program Impacts with New or Revised Toxic Air Contaminants*

As described previously, OEHHA is required to develop guidelines for conducting HRAs under the AB 2588 Program. In implementing this requirement, OEHHA develops new or revises risk factors for many toxic air pollutants. South Coast AQMD staff monitor the progress for these changes closely. For any finalized changes in risk factors, staff performs a preliminary estimate of potential Rule 1402 program impacts. Notice is provided to the Governing Board and affected industries annually through this and other AB 2588 annual reports.

#### *Toxic Air Contaminants With New or Revised Health Values*

OEHHA adopted risk values for two toxic air contaminants in 2018. In May, OEHHA adopted both new and revised RELs for ethylene glycol mono-n-butyl ether (EGBE).<sup>16</sup> RELs are airborne concentrations of a chemical that are not anticipated to result in adverse non-cancer health effects for specified exposure durations in the general population, including sensitive subpopulations. EGBE is a solvent that is used as a component in cleaning products, cosmetics, lacquers, latex paint, firefighting foam, and hydraulic fluid. Because of its properties as a solvent, it has gained widespread use in industrial and consumer applications.

In August, OEHHA adopted new cancer slope factors and a unit risk factor for tert-butyl acetate (TBAC).<sup>17</sup> Cancer Potency Factors represent the 95th percent upper confidence limit of the slope of the dose response curve estimated assuming continuous lifetime exposure to a substance. TBAC is a solvent that is used in the production of lacquers, enamels, inks, adhesives, thinners, and industrial cleaners.

The revised and adopted values are summarized in Table 5. The previous values are shown in parentheses below the current values; N/A within parentheses indicate no previous value existed.

**Table 5 — New or Revised Health Values in 2018 from OEHHA**

CAS #	Name	Inhalation Slope Factor (mg/kg-day) <sup>-1</sup>	Oral Slope Factor (mg/kg-day) <sup>-1</sup>	Chronic REL µg/m <sup>3</sup>	8-Hour Chronic REL µg/m <sup>3</sup>	Acute REL µg/m <sup>3</sup>
111-76-2	EGBE	N/A	N/A	82 (N/A)	164 (N/A)	4700 (14000)
540-88-5	TBAC	4.7 x 10 <sup>-3</sup> (N/A)	5.0 x 10 <sup>-3</sup> (N/A)	N/A	N/A	N/A

<sup>16</sup> <https://oehha.ca.gov/media/downloads/crnrfinalegberel050418.pdf>

<sup>17</sup> <https://oehha.ca.gov/media/downloads/crnrfbaciur081618.pdf>

*Assessment of Impacts to Existing Facilities*

Since TBAC is a newly added pollutant with no prior reporting requirements, staff was unable to conduct a preliminary estimate of Rule 1402 impacts. However, facilities required to submit an ATIR under Rule 1402 will be required to report TBAC emissions beginning in 2019. TBAC is potentially emitted during coating operations such as autobody shop operations. Autobody repair facilities are included as an industrywide category. Additionally, staff will review any facilities that are required to submit a HRA to ensure TBAC emissions are included in inventories when necessary.

EGBE is a previously listed pollutant and is subject to reporting by AB 2588 facilities every four years. Data for the 2017 reporting year was used because it is the most current data available. For the 2017 reporting period only, 13 facilities reported annual emissions of EGBE. A breakdown of the types of facilities and the number of those types of facilities that reported EGBE emissions are presented in Table 6.

**Table 6 — 2017 Summary of EGBE Emitting Facilities**

<b>Facility Description</b>	<b>Number of Facilities</b>
Printing/Publishing	2
Building/Construction/Mineral Products	1
Harbors	1
Aerospace	2
Other Industrial/Manufacturing	3
Metal and Alloys Products	1
Military Base	1
Chemical Plants	1
Other Institutional/Commercial	1
<b>Total:</b>	<b>13</b>

Two of the 13 facilities have previously approved HRAs. The HRAs for both of these facilities were approved in 2002. At that time, EGBE was not reported for either HRA. EGBE is required to be reported on a quadrennial cycle and therefore is examined when screening and prioritization occurs in accordance with program requirements.



## Future Activities

### AB 2588 Activities

In 2019, staff will prioritize approximately 70 facilities, and notify those with high priority scores to prepare ATIRs or VRRPs, if eligible, and HRAs and RRP, if necessary. There are a substantial number of ATIRs and VRRPs that are expected to be reviewed in 2019. Public notification, and public meetings as necessary, will also occur for multiple facilities including City of Glendale Water & Power (ID 800327), Lubeco, Inc. (ID 41229), Phillips 66 Company, Los Angeles Refinery – Wilmington Plant (ID 171107), Southern California Gas Company, Playa del Rey Storage Facility (ID 8582), and Kirkhill Inc (ID 187823).

In addition to the AB 2588 Program implementation activities, staff will be working on:

- Notification of seven asphalt aggregate plants to prepare and submit ATIRs or VRRPs if eligible
- Continue to provide support to rulemaking staff
- work with CARB and through the CAPCOA Toxics and Risk Managers Committee (TARMAC) to update CARB Emission Inventory Guidelines, including review of draft list of chemicals
- Continue to work with CARB and through the CAPCOA-TARMAC to develop HRA guidelines for the industry-wide categories of gasoline dispensing facilities, diesel internal combustion engines, providing training to South Coast AQMD personnel and the regulated community
- Train new staff on the expanded emissions reporting under amended Rule 301 and AB 617
- Track development of potential REL revisions by OEHHA

## Appendix A — Description of Facilities/Projects

### *A.1. Aerocraft Heat Treating Co. Inc. (ID 23752) – Paramount*

Aerocraft Heat Treating Company (Aerocraft) operates a facility in the City of Paramount that processes forgings, castings, bar, plate and rough-machined parts. The facility uses various heat treating furnaces, quench tanks, and metal grinding equipment, as well as plasma cutting operations. Based on ambient monitoring conducted near Aerocraft which showed elevated levels of hexavalent chromium, Aerocraft was officially designated as a Potentially High Risk Level Facility on December 14, 2016. As part of this designation, Aerocraft was required to submit an Early Action Reduction Plan by March 14, 2017, an ATIR by May 16, 2017, a HRA and a RRP by June 13, 2017. Additional details regarding the ambient monitoring in Paramount and near Aerocraft and events that led up to the designation of Aerocraft as a Potentially High Risk Facility are discussed in the 2016 AB 2588 Annual Report and on South Coast AQMD's website.<sup>18</sup>

The Early Action Reduction Plan was received on March 13, 2017 and after South Coast AQMD's staff review, a comment letter was sent on April 26, 2017 requesting revisions and resubmittal. Subsequently, on May 4, 2017, a revised Early Action Reduction Plan was received.

On May 16, 2017, Aerocraft submitted an ATIR, and the HRA and RRP were submitted on June 13, 2017, in accordance with the required deadlines. Conditional approval of the revised Early Action Reduction Plan was granted on May 31, 2017. On February 9, 2018, South Coast AQMD staff provided Aerocraft with comments and recommendations on the submitted ATIR, HRA, and RRP, and requested revision and resubmittal of those respective documents. After technical conference calls with Aerocraft representatives, South Coast AQMD staff received the Revised ATIR on March 29, 2018. The Revised ATIR was approved on May 9, 2018.

The Revised HRA and Revised RRP were received on May 17, 2018. The Revised HRA was approved by South Coast AQMD staff and OEHHA on October 9, 2018. The revised HRA representing the 2016 inventory year indicated that Aerocraft posed a maximum cancer risk of 1,900 in-a-million for a residential receptor located at the corner of Madison Street and Illinois Avenue, based on a 30-yr exposure, and 350 in-a-million for the worker receptor located immediately south of Aerocraft, based on a 25-yr exposure. The cancer risk was mainly due to hexavalent chromium emissions from furnaces and rack welding operations. A cancer burden of 11 was estimated, based on a 70-yr exposure.

The maximum non-cancer chronic hazard indices of 0.10 and 0.15 were projected for residential and non-residential receptors, respectively. The maximum non-cancer 8-hour chronic hazard index is less than 0.01 and the maximum non-cancer acute hazard index was 2.9 at Aerocraft's property boundary.

Since the HRA results were above the Significant Risk Level in Rule 1402, Aerocraft was required to notify the public about the health risk in addition to conducting annual public notification

---

<sup>18</sup> Information regarding Aerocraft and compliance-related activities in Paramount can be found at the following link:  
<https://www.aqmd.gov/home/news-events/community-investigations/air-monitoring-activities/facilities---order-for-abatement/aerocraft>

meetings until the Rule 1402 Action Risk Level was achieved pursuant to Rule 1402(p). Notices of the public notification meeting were sent out to over 35,000 people in the area of impact. South Coast AQMD staff held a public notification meeting at the Progress Park Community Center on December 1, 2018 to explain the impact of Aerocraft's emissions on public health and to discuss next steps. South Coast AQMD staff were reviewing the Revised RRP at the end of 2018.

#### *A.2. Anaplex Corp (ID 16951) - Paramount*

Anaplex Corporation (Anaplex) operates a metal processing and finishing company in the City of Paramount. The facility processes parts for commercial and defense aerospace applications. The processes include anodizing and plating process lines which use hexavalent chromium, nickel, and cadmium. Additional details regarding the ambient monitoring in Paramount and near Anaplex and events that led up to the designation of Anaplex as a Potentially High Risk Facility are discussed in the 2016 AB 2588 Annual Report and on South Coast AQMD's website.<sup>19</sup>

Based on ambient monitoring in December 14, 2016, South Coast AQMD staff designated Anaplex as a Potentially High Risk Level Facility specifically based on high levels of hexavalent chromium found at monitors adjacent to Anaplex. As part of this designation, Anaplex was required to submit an Early Action Reduction Plan by March 14, 2017, an ATIR by May 16, 2017, a HRA and a RRP by June 13, 2017. Following litigation in Superior Court, the Hearing Board granted a Stipulated Order for Abatement on January 18, 2017.

Anaplex submitted an Early Action Reduction Plan on March 13, 2017. South Coast AQMD staff provided comments on April 26, 2017 and requested revisions and resubmittal of the Early Action Reduction Plan. Anaplex submitted a revised Early Action Reduction Plan on May 11, 2017 which was conditionally approved on May 31, 2017.

On May 15, 2017, Anaplex submitted an ATIR and a HRA and RRP on June 13, 2017. South Coast AQMD staff provided written comments regarding all three documents on December 8, 2017, and requested revisions and resubmittal of each document. On December 8, 2017, South Coast AQMD staff provided Anaplex with comments and recommendations on the submitted ATIR, HRA and RRP, and requested revision and resubmittal of those respective documents. After numerous technical conference calls and meetings with Anaplex representatives, South Coast AQMD staff received the Revised ATIR on May 1, 2018 and the Revised HRA and RRP on May 17, 2018. After review, South Coast AQMD staff requested another revision and resubmittal of the HRA and RRP. Anaplex submitted the Revised HRA and Revised RRP on September 26, 2018. The revised ATIR was approved on October 9, 2018.

The Revised HRA submitted by Anaplex contained alternate HRA scenarios in the main HRA report, which was not consistent with South Coast AQMD's AB 2588 Supplemental Guidelines. In the interest of time and pursuant to Rule 1402 (e)(2)(D), South Coast AQMD staff modified the Revised HRA resubmitted on September 26, 2018 to follow Appendix B of South Coast AQMD's AB 2588 and Rule 1402 Guidelines<sup>20</sup>. The HRA relied upon results of one of the scenarios contained in Anaplex's resubmitted Revised HRA, and presented the information consistent with

<sup>19</sup> <http://www.aqmd.gov/home/news-events/community-investigations/air-monitoring-activities/facilities---order-for-abatement/anaplex-corp>

<sup>20</sup> <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-supplemental-guidelines-201809.pdf>

South Coast AQMD's AB 2588 Supplemental Guidelines. Anaplex's modified HRA was conditionally approved on October 9, 2018. The HRA was submitted to OEHHA for their review. Therefore, the HRA is conditionally approved, pending any further comments or edits by OEHHA. The HRA results representing the 2016 inventory year indicated that Anaplex posed a maximum cancer risk of 931 in-a-million for a residential receptor located at the corner of Madison Street and Illinois Avenue, based on a 30-yr exposure, and 2,836 in-a-million for a worker receptor located immediately south of Anaplex, based on a 25-yr exposure. The cancer risk was mainly due to hexavalent chromium emissions from spray booth operations. A cancer burden of 9.73 was estimated, based on a 70-yr exposure.

The maximum non-cancer chronic hazard indices of 0.06 and 2.02 were projected for residential and non-residential receptors, respectively. The maximum non-cancer 8-hour chronic hazard index is 0.11 and the maximum non-cancer acute hazard index was 23.84 at Anaplex's property boundary.

Since the HRA results were above the Significant Risk Level in Rule 1402, Anaplex was required to notify the public about the health risk in addition to conducting annual public notification meetings until the Rule 1402 Action Risk Level was achieved pursuant to Rule 1402(p). Notices of the public notification meeting were sent out to over 35,000 people in the area of impact. South Coast AQMD staff held a public notification meeting at the Progress Park Community Center on December 1, 2018 to explain the impact of Anaplex's emissions on public health and to discuss next steps. South Coast AQMD staff were reviewing the Revised RRP at the end of 2018.

#### ***A.3. Arconic Global Fasteners & Rings, Inc. (ID 134931) – Fullerton***

Arconic Global Fasteners & Rings, Inc. (Arconic) manufactures precision fastening systems and components for the aerospace industry. They operate plating lines, ovens and abrasive blasting equipment.

This facility has an HRA that was approved in November 1997 with elevated cancer risks requiring risk reduction. The RRP was submitted in February 2001 and approved March 2001. The RRP involved eliminating use of perchloroethylene as a cleaning solvent, and installing scrubbers to control emissions of various metals from plating operations. This RRP was fully implemented and approved in October 2003. However, the resulting acute hazard index was greater than 1.0 due to use of sodium hydroxide as part of the plating operations.

The facility voluntarily submitted an HRA to demonstrate that the acute hazard index is no longer greater than 1.0. This document is currently under review.

#### ***A.4. The Boeing Company (ID 16660) – Huntington Beach***

The Boeing Company (Boeing Huntington Beach) is part of the Boeing Defense, Space, & Security division of The Boeing Company and located in Huntington Beach. Boeing Huntington Beach manufactures aerospace parts, applies coatings and finishes, and conducts polishing and grinding activities.

On January 31, 2018, South Coast AQMD staff sent a letter requesting Boeing Huntington Beach to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10

based on its 2015 annual emissions. The main air toxic contributing to the priority score is methylene phenyl diisocyanate (MDI). On February 27, 2018, Boeing Huntington Beach sent South Coast AQMD staff modifications to their reported MDI emissions and requested the priority score to be updated. After review of the modifications, South Coast AQMD staff sent a letter on May 18, 2018, revising Boeing Huntington Beach's priority score to be less than 10.

Boeing Huntington Beach is still required to prepare annual emission reports and quadrennial emissions inventories. The next quadrennial emissions inventory year will be 2019.

#### ***A.5. Boral Roofing LLC (ID 1073) – Corona***

Boral Roofing, LLC (Boral Roofing) is a clay and concrete tile manufacturing plant located in the City of Corona. Boral Roofing has two production lines for manufacturing clay roof tiles. Clay is delivered by trucks and then premixed by a skip loader. The clay is then grounded into a fine powder in a mill, screened, and transported to storage silos. Clay is transferred by belt conveyor to their manufacturing process where it is mixed with water and additives in pug mills. The wet clay mixture is extruded to tile form, then dried and fired in various natural gas kilns.

On March 20, 2017, South Coast AQMD staff sent a letter requesting Boral Roofing to prepare an ATIR due to the facility having a priority score greater than 10 based on its 2015 annual emissions with hexavalent chromium and arsenic as the main air toxics contributing to the high priority score.

The ATIR was submitted on August 25, 2017. Following comments from South Coast AQMD staff regarding technical discrepancies, Boral Roofing submitted the revised ATIR on November 16, 2017 which included corrections to calculations for hexavalent chromium that resulted in lower emissions. On March 27, 2018, South Coast AQMD staff sent a letter to Boral Roofing requiring the submittal of an HRA. Boral Roofing submitted the HRA on June 26, 2018. After review by staff, the HRA was approved on September 13, 2018. The results of the HRA showed that the Notification Risk Level was exceeded by the non-cancer chronic hazard index for the maximum exposed worker receptor. The chronic health risks are mainly due to arsenic, hydrogen fluorides, and hydrogen chlorides from the kilns. The area of notification was to the north of the facility. Since the area affected only a single property owned by City of Corona, a public notification meeting was not held. However, a public notification letter detailing the health risks was sent to the City of Corona on October 19, 2018.

#### ***A.6. Chevron Products Co. (El Segundo Refinery) (ID 800030) – El Segundo***

Chevron Products Co. (Chevron ES) is a 1,000 acre petroleum oil refinery in the City of El Segundo with a 290,000 barrels of crude oil per day processing capacity. Chevron ES has approximately 20% of the gasoline market share in Southern California and is one of the largest refineries on the West Coast. The main products of the refinery are transportation fuels, such as gasoline, jet fuel, and diesel fuel.

On October 14, 2016, South Coast AQMD staff sent a letter requesting Chevron ES to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with furans, polycyclic aromatic hydrocarbons, arsenic, cadmium, and related compounds as the main air toxics contributing to the high priority score. Chevron elected to participate in the Voluntary Risk Reduction Program and submitted a VRRP on March 27, 2017.

Reductions of diesel particulate matter (DPM) from unpermitted internal combustion engines are an element of the VRRP. In 2018, staff have worked with the permitting teams to evaluate options for incorporating these requirements so that they are enforceable. Technical review is complete and VRRP approval is expected in early 2019.

***A.7. Eisenhower Medical Center (ID 3671) – Rancho Mirage***

Eisenhower Medical Center is a hospital based in Rancho Mirage, California serving the Coachella Valley region.

On June 12, 2018, South Coast AQMD staff sent a letter requesting Eisenhower Medical Center to prepare an ATIR due to the facility having a priority score greater than 10 based on its 2014 annual emissions, with formaldehyde from the cogeneration units as the main air toxics contributing to the high priority score.

On November 9, 2018, Eisenhower Medical Center submitted an ATIR. South Coast AQMD staff reviewed the submittal and worked with the facility to make some necessary revisions such as building and stack coordinates in addition to emission estimation methods. Based on results from preliminary analysis of the ATIR and discussion with the facility, Eisenhower Medical Center submitted a request to source test both cogeneration units for formaldehyde, 1-3 butadiene, and acetaldehyde. At the end of 2018, staff was awaiting the submittal of a source test protocol.

***A.8. Elite Comfort Solutions (ID 182610) – Commerce***

Elite Comfort Solutions (Elite Comfort) operates a facility in city of Commerce and manufactures polyurethane foam for bedding, furniture, packaging, automotive, and medical industries.

On January 31, 2018, staff sent a letter requiring Elite Comfort to either prepare an ATIR or VRRP due to the facility having a priority score greater than 10 based on 2015 annual emissions, with toluene diisocyanates as the main air toxic contributor to the high priority score.

Elite Comfort elected to participate in the Voluntary Risk Reduction Program and submitted the VRRP on June 22, 2018. Following review, staff required Elite Comfort to provide missing information and to make several revisions. Elite provided information and a revised submittal on November 7, 2018. In reviewing this submittal, however, South Coast AQMD staff found that additional risk reduction measures were necessary in order to meet the Voluntary Risk Reduction Threshold. In response, the facility submitted revisions to the VRRP on December 3, 2018, and another one on December 17, 2018. South Coast AQMD staff is currently reviewing the revised VRRP.

***A.9. Equilon Enter. LLC, Shell Oil Prod. US (ID 800372) – Carson***

Equilon Enterprises LLC (Equilon) operates a petrochemical product distribution terminal in the City of Carson which is comprised of loading racks, storage tanks, and product pipeline. The products are transported by pipeline, trucks, or rail.

On October 10, 2017, South Coast AQMD staff sent a letter requesting Equilon to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015

annual emissions with benzene, ethyl benzene, and naphthalene emissions as the main air toxics contributing to the high priority score. Equilon elected to prepare an ATIR and submitted it on March 9, 2018. After review and subsequent revisions, South Coast AQMD sent a letter to Equilon on May 30, 2018 approving the ATIR and requiring the preparation of an HRA.

On August, 28, 2018, Equilon submitted an HRA. The HRA is currently under review.

***A.10. Fontana Paper Mills Inc. (ID 11716) - Fontana***

Fontana Paper Mills Inc. (Fontana Paper Mills) is a manufacturing plant for asphalt roofing material, including shingles and saturated and coated roofing paper underlayments. The facility recycles paper products and manufactures roll stock for shingle backing or underlayments. The emissions from the asphalt mixer, heater and rollcoater are controlled by thermal oxidizer. Other emissions from the saturator process are controlled by a scrubber, followed by a high efficiency air filter. Emissions of polycyclic aromatic hydrocarbons are the main toxic pollutant of concern and can occur when asphalt is heated.

South Coast AQMD staff noted discrepancies in reported emissions from three asphalt roofing companies and determined that additional investigation was warranted. As a result, on October 14, 2016, South Coast AQMD staff requested an emissions inventory update from Fontana Paper Mills in order to get a better understanding of actual emissions and corresponding health risks. Because Fontana Paper Mills did not have a previously approved HRA, an ATIR was requested based on its 2014 annual emissions. The ATIR was submitted on March 14, 2017, and the facility proposed source testing of toxic air contaminants at the high efficiency air filter vents. However, since Fontana Paper Mills was undergoing modifications in order to be able to manufacture products using polymer asphalt, source testing was postponed until construction for the modified manufacturing line has been completed. Construction was not completed in 2018 and therefore emissions from the high efficiency air filter vents were approximated using a different methodology. Based on this methodology, an updated emissions inventory was received on June 15, 2018 and a preliminary HRA analysis was completed by South Coast AQMD staff. On June 28, 2018, an ATIR approval letter was sent to Fontana Paper Mills informing them that the preliminary HRA analysis demonstrated that an HRA would not be required.

***A.11. Garrett Aviation Services LLC dba Standard Aero (ID 155828) – Los Angeles***

Garrett Aviation Services operated a facility in Los Angeles near the Los Angeles International Airport that performed maintenance, repair, and overhaul of business jets. The facility operated jet engine test cells, spray booths and a brush plating tank.

On April 20, 2018, South Coast AQMD staff sent a letter requiring Garrett to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2016 annual emissions with arsenic emissions from the jet engine test cell as the main air toxic contributing to the high priority score.

On April 25, 2018, South Coast AQMD staff were notified by the facility contact that the facility had cancelled all permits and permanently shut down on March 16, 2018 and therefore no further action was required.

### ***A.12. Gerdau/TAMCO (ID 18931) – Rancho Cucamonga<sup>21</sup>***

Gerdau/TAMCO (Gerdau) is located in the City of Rancho Cucamonga and was acquired by TAMCO steel mini mill in October 2010. The facility produces steel reinforcing bars that are commonly used in construction. Ferrous steel scrap is recycled and delivered to the facility by trucks and rail, and then melted in an electric arc furnace to produce steel billets. The billets are reheated in a reheat furnace to form concrete reinforcing bar (rebar). The primary pollutants for this facility are hexavalent chromium, nickel, manganese, mercury, and arsenic.

Gerdau was directed to submit an ATIR and HRA based on significantly high levels of cadmium reported in its 2011 annual emissions reporting. The HRA was approved on October 8, 2015 based on the 2015 OEHA Risk Assessment Guidelines. Several health risks in the approved HRA exceeded levels specified in Rule 1402 and Gerdau was therefore required to notify the public regarding the results of its HRA, and also submit a RRP. Notices of the public notification meeting were sent out to 1,523 people in the area where the health risks were above the levels established in Rule 1402. South Coast AQMD staff held a public notification meeting on November 30, 2015 to explain the impact of Gerdau's emissions on public health and to discuss next steps.

Gerdau submitted its first RRP on April 5, 2016. After review of the RRP and several meetings with facility representatives, South Coast AQMD staff provided comments on the RRP and on July 1, 2016, Gerdau submitted a revised RRP. However, the revised RRP did not account for hexavalent chromium emissions from ladle heaters, billet reheat furnace, and spray chamber stack. South Coast AQMD staff added these emissions which resulted in a projected potential maximum residential cancer risk of 8.7 in-a-million. The cancer burden and acute and chronic HI remain below 1, so after making these revisions, South Coast AQMD staff conditionally approved Gerdau's RRP on July 5, 2016. The RRP consisted of ten risk reduction measures to be completed by January 5, 2019.

On July 5, 2017, Gerdau submitted a progress report to update South Coast AQMD on the status of its risk reduction measures. . On January 25, 2018, Gerdau submitted an amendment to the RRP to specify plans to pave vehicle travel paths, which South Coast AQMD staff approved. On July 13, 2018, Gerdau submitted their second progress report indicating that they implemented seven of the ten risk reduction measures, while three of the measures are still in process. A public notice of risk reduction activities by Gerdau was mailed out to the notification area on September 18, 2018. South Coast AQMD staff continues to monitor the progress of the RRP and anticipates all risk reduction measures to be implemented within specified timeframes.

### ***A.13. Glendale City, Glendale Water & Power (ID 800327) – Glendale***

Glendale Water & Power (GWP) is a municipal power plant owned and operated by the City of Glendale. GWP consists of three utility boilers and eight stationary combustion turbines with a combined 238 MW generation capacity. These units combust natural gas which is supplemented by methane gas from a Class III landfill.

---

<sup>21</sup> <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/gerdau>



On March 1, 2017, South Coast AQMD staff sent a letter requesting GWP to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with dioxins and furans, hexavalent chromium, and arsenic as the main air toxics contributing to the high priority score.

GWP elected to prepare an ATIR and submitted it on July 28, 2017. On March 22, 2018, the ATIR was approved and the facility notified to prepare an HRA. On July 18, 2018, the HRA was submitted. HRA was approved in early part of 2019.

#### *A.14. GS II, Inc. (ID 183567) – Wilmington*

GS II, Inc. (GS II), located in the City of Wilmington, manufactures asphalt roof shingles. The manufacturing process at the facility includes asphalt storage tanks, asphalt heaters, roll coaters and saturators and are primary emission sources. Up until November of 2016, GS II operated under facility ID 57094.

As described previously, due to discrepancies in reported emissions from three asphalt roofing companies, on October 28, 2016, South Coast AQMD staff sent a letter requesting GS II to prepare either an ATIR or a VRRP in order to get a better understanding of actual emissions and corresponding health risk. On November 14, 2016, GS II staff informed South Coast AQMD staff of their intention to participate in the Voluntary Risk Reduction Program. However, GS II informed South Coast AQMD staff on November 1, 2017 that the company wanted to opt out of the Voluntary Risk Reduction Program. As a result, on November 1, 2017 South Coast AQMD staff terminated GS II's participation in the Voluntary Risk Reduction Program and notified GS II that an ATIR and HRA was due within 90 days of the notification letter.

On January 30, 2018, GS II submitted an ATIR and a HRA to South Coast AQMD for review. The HRA was approved on February 21, 2018. Since the HRA showed a non-cancer acute hazard index of 1.82 due to hydrogen sulfide emissions from the laminant storage tank, public notification was required. On March 28, 2018, a public notification letter was sent to Phillips 66 Wilmington Refinery, which was the sole party impacted.

#### *A.15. Hixson Metal Finishing (ID 11818) - Newport Beach <sup>22</sup>*

Hixson Metal Finishing (Hixson) located in the City of Newport Beach, is a metal finishing facility that conducts anodizing, testing, plating, coating, and painting operations on various parts for use in the aerospace and defense industries. Some of the potential onsite sources of emissions include the chrome anodizing line, nickel and cadmium plating, curing and drying ovens, paint spray booths, abrasive blasting equipment, wastewater treatment system and miscellaneous natural gas combustion sources. The major source of concern with Hixson's operation is fugitive dust containing hexavalent chromium. On April 3, 2014, South Coast AQMD staff required Hixson to prepare and submit a HRA and a RRP, in conjunction with a Stipulated Order for Abatement approved by South Coast AQMD's Hearing Board that limited Hixson's activities, and required shutdown of certain operations using hexavalent chromium if monitored ambient levels exceeded specified hexavalent chromium levels.

---

<sup>22</sup> <http://www.aqmd.gov/home/regulations/compliance/toxic-hot-spots-ab-2588/hixson-metal-finishing>

Hixson submitted their HRA to South Coast AQMD on November 13, 2014. Upon detailed review and use of the 2015 OEHHA Risk Assessment Guidelines, South Coast AQMD staff finalized the submitted HRA on May 8, 2015. The approved HRA found a maximum residential cancer risk of 1,502 in-a-million mainly from hexavalent chromium emissions. The estimated cancer risk was based on emissions occurring before the facility instituted various control measures and today's level of risk is substantially lower. Since the HRA results were above the Significant Risk Level in Rule 1402, Hixson was required to notify the public about the health risk in addition to conducting annual public notification meetings until the Rule 1402 Action Risk Level was achieved pursuant to Rule 1402(p). Notice of the public notification meeting was sent out to over 7,300 people in the area of impact. South Coast AQMD staff held a public notification meeting at the Hoag Conference Center on June 18, 2015.

Hixson submitted its first RRP on March 2, 2015. On May 8, 2015, South Coast AQMD staff rejected Hixson's first RRP and required resubmittal. Hixson subsequently submitted a second RRP on June 5, 2015. On June 26, 2015, South Coast AQMD staff rejected Hixson's second RRP due to its failure to demonstrate that the proposed controls reduce risks below Rule 1402 thresholds. Hixson resubmitted a revised RRP on July 1, 2015, and South Coast AQMD staff conditionally approved it on July 24, 2015. The associated permits to construct implementing the RRP were approved on December 11, 2015 and a second public notification meeting was held on February 11, 2016 at the Hoag Conference Center to inform interested parties regarding the key activities surrounding the RRP. In the 2016 Annual Report for the AB 2588 Program, staff incorrectly stated that the RRP was fully implemented as of December 31, 2016. The Order for Abatement expired on December 31, 2016, as Hixson had constructed all the measures contained in the RRP. However, one of the risk reduction measures requires all emissions from Building 2 to be captured and routed through a dry scrubber followed by ULPA filters. The existing chromic acid anodizing tank (Tank 70) is located in Building 2 and currently has a control system that includes an ULPA filtration system. As part of the modifications to Building 2, existing Tank 70 is being replaced with a new chromic acid anodizing tank (also designated Tank 70) vented to the new Building 2 control system, which also includes ULPA filtration. However, there was an issue with the temperature controls for the new Tank 70, which has delayed its operation. Since the existing Tank 70 is already being controlled by an ULPA filtration system, there are no additional emissions expected from the continued operation of existing Tank 70 compared to new Tank 70, as proposed in the RRP. Ambient monitoring for hexavalent chromium continues in the vicinity of Hixson. As of the end of 2018, the new Tank 70 is constructed but source testing on the unit is still being evaluated in order to determine compliance with the RRP.

#### *A.16. Holliday Rock Co., Inc. (ID 41580) – Rialto*

Holliday Rock Co., Inc. (Holliday Rock) is a hot mix asphalt plant located in Rialto. There are multiple locations of Holliday Rock in the South Coast air basin. It is one of the largest independent producers of aggregate, ready mix concrete, and hot mix asphalt in the United States.

On December 20, 2018, South Coast AQMD staff sent a letter requiring Holliday Rock to prepare an ATIR due to the facility having a priority score greater than 10 based on its 2017 emissions. The main toxic air contaminants contributing to the priority score are manganese and manganese

compounds, mercury and mercury compounds, and nickel and nickel compounds. The main sources of emissions are from cement silos and loadout hoppers.

Holliday Rock's ATIR is due on May 19, 2019.

***A.17. Kirkhill Inc (ID 187823) – Brea***

Kirkhill Inc (Kirkhill) is a rubber manufacturing facility located in Brea. Kirkhill produces multiple types of rubbers for industries including aerospace and medical manufacturing. The rubber manufacturing process includes raw material mixing, milling, pressing, and various types of curing.

On January 31, 2018, South Coast AQMD staff sent a letter requesting Kirkhill to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 emissions. The main air toxic contributing to the priority score is hexavalent chromium from mixers, mills, presses, ovens, autoclave, and roto-curing devices.

Kirkhill elected to prepare an ATIR and submitted it on July 3, 2018. On October 19, 2018, South Coast AQMD staff sent a letter to the facility approving the ATIR and requiring the preparation of an HRA based on the approved ATIR. The HRA is due on January 17, 2019.

***A.18. LA City, Sanitation Bureau (Hyperion Treatment Plant) (ID 800214) – Playa del Rey***

The City of Los Angeles owns and operates the Hyperion Water Reclamation Plant (Hyperion) in the Playa del Rey community. Hyperion is a publically owned wastewater treatment plant with over 275 million gallon capacity with primary and full secondary treatment processes. As part of the treatment process, more than 885,000 pounds of solid and organic materials are removed daily and treated through anaerobic digestion.

On October 28, 2016, South Coast AQMD staff sent a letter requesting Hyperion to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with perchloroethylene and arsenic as the main air toxics contributing to the high priority score.

On November 23, 2016, Hyperion elected to participate in the Voluntary Risk Reduction Program and submitted a VRRP on January 24, 2017. Throughout 2018, South Coast AQMD and Hyperion staff have been working to resolve various issues regarding electronic format of the emissions inventory, the use of unapproved source tests, the distribution of emissions, and receptor grid spacing. This information was under review at the end of 2018.

***A.19. Lubeco Inc (ID 41229) – Long Beach***

Lubeco, Inc. (Lubeco) is a metal finishing company operating in Long Beach near the southern border of the City of Paramount. Lubeco's primary operations involve painting, surface preparation, anodizing, sealing and coating of metals for the aerospace industry. Ancillary operations include abrasive blasting, wastewater treatment, and operation of a natural gas-fired boiler and ovens.

Lubeco utilizes baking and drying ovens, spray booths, tanks for chromic acid anodizing, aqueous solutions, and acid surface preparations. These processes can potentially generate hexavalent chromium emissions.

Beginning in October 2016, through expanded monitoring efforts in the City of Paramount, South Coast AQMD staff found high concentrations of hexavalent chromium in the vicinity of Lubeco. As a result, Lubeco was selected as a host facility for testing of hexavalent chromium emissions from a heated sodium dichromate seal tank due to elevated ambient monitoring readings in the nearby south Paramount area. On April 27, 2017, South Coast AQMD staff conducted source tests for hexavalent chromium emissions from the sodium dichromate seal tank with the main objective of determining an emission factor to calculate emissions from such tanks used in plating operations. The results of the source tests showed the heated sodium dichromate tank to be a source of hexavalent chromium. The second objective of this testing was to identify potential sources of hexavalent chromium emissions as measured by South Coast AQMD ambient air monitors in the nearby south Paramount area. South Coast AQMD subsequently filed a petition for Order for Abatement with the Hearing Board. Following the hearings on August 17 and August 23, 2017, the Hearing Board granted South Coast AQMD permission to install ambient monitors and a meteorological station on the facility property and permission to conduct additional source tests.

Because of the ambient measurements, South Coast AQMD staff notified Lubeco on September 8, 2017 that the facility may be designated as a Potentially High Risk Level Facility. Lubeco representatives and South Coast AQMD staff met on September 22, 2017 to discuss the monitoring results that had led to the notification. On September 28, 2017, Lubeco was officially designated as a Potentially High Risk Level Facility. As part of this designation, Lubeco was required to expeditiously reduce risks and to submit an Early Action Reduction Plan by December 27, 2017, an ATIR by February 27, 2018, a HRA and a RRP by March 27, 2018. The Early Risk Reduction Plan was submitted on December 8, 2017. On January 12, 2018, South Coast AQMD sent Lubeco an approval letter for the Early Risk Reduction Plan. On February 9, 2018, Lubeco submitted an ATIR followed by an HRA and RRP on March 27, 2018. Staff is currently reviewing all submitted documents.

#### *A.20. MM West Covina LLC (ID 113873) – WestCovina*

MM West Covina is a cogeneration facility located on the BKK Landfill in the City of West Covina. Landfill gas from the inactive BKK Landfill, which received Class I and Class III waste, is combusted in the facility's steam generator. The steam powers a 7,100 kW capacity steam turbine to produce electricity.

On January 11, 2017, South Coast AQMD staff sent a letter requesting MM West Covina to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on 2014 annual emissions with dioxins and hexavalent chromium being the main air toxic contributors to the high priority score.

On February 15, 2017, MM West Covina elected to prepare an ATIR. The ATIR was submitted on June 13, 2017. South Coast AQMD staff provided comments on August 17, 2017 requiring revisions to the ATIR which was provided on August 29, 2017. South Coast AQMD staff approved the ATIR on March 27, 2018, and notified the facility to prepare and submit a HRA by June 26,

2018. MM West Covina submitted an HRA on July 2, 2018. After review, on August 1, 2018, South Coast AQMD staff informed the facility that HRA did not include all of the emissions, specifically dioxins and furans, from the approved ATIR and therefore rejected the HRA. MM West Covina opted to conduct a source test to address the accuracy of the inventory of dioxin and furans in the ATIR. At the end of 2018, the source test result has been submitted and is under review.

***A.21. Orange County Sanitation District, Fountain Valley (Plant No. 1) (ID 17301) – Fountain Valley***

The Orange County Sanitation District (OCSD) is a public agency that provides wastewater collection, treatment, and reclamation services in central and northwest Orange County. Plant No. 1, located in Fountain Valley, is one of the two wastewater treatment plants operated by OCSD. Plant No. 1 treats wastewater from residential, commercial and industrial sources using advanced primary and secondary treatment.

On April 28, 2017, South Coast AQMD staff sent a letter requesting OCSD Plant No. 1, to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on 2015 annual emissions with formaldehyde being the main air toxic contributor to the high priority score. Formaldehyde emissions were from three cogeneration engines combusting primarily digester and supplemental natural gas. Digester gas is produced at the facility through anaerobic digestion, which is part of the solids processing facilities.

OCSD elected to participate in the Voluntary Risk Reduction Program, and submitted the VRRP on September 25, 2017. The plan focused on installation of oxidation catalysts on the exhaust of the three engines, which serves to reduce formaldehyde emissions and emissions of nitrogen oxides. The oxidation catalyst system was previously planned and fully permitted on February 28, 2017. On April 11, 2018, South Coast AQMD staff approved the VRRP.

***A.22. Orange County Sanitation District, Huntington Beach (Plant No. 2) (ID 29110) – Huntington Beach***

The Orange County Sanitation District (OCSD) is a public agency that provides wastewater collection, treatment, and reclamation services in central and northwest Orange County. Plant No. 2, located in Huntington Beach, is one of the two wastewater treatment plants operated by OCSD. Plant No. 2 treats wastewater from residential, commercial and industrial sources using advanced primary and secondary treatment.

On April 28, 2017, South Coast AQMD staff sent a letter requesting OCSD Plant No. 2 to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on 2015 annual emissions with formaldehyde being the main air toxic contributor to the high priority score. Formaldehyde emissions were from three cogeneration engines combusting primarily digester and supplemental natural gas. Digester gas is produced at the facility through anaerobic digestion, which is part of the solids processing facilities.

OCSD elected to participate in the Voluntary Risk Reduction Program, and submitted the VRRP on September 25, 2017. The plan focused on the installation of oxidation catalysts on the exhaust of the three engines, which serves to reduce formaldehyde emissions and emissions of nitrogen

oxides. The oxidation catalyst system was previously planned and fully permitted on February 28, 2017. On April 12, 2018, South Coast AQMD staff approved the VRRP.

#### ***A.23. Phillips 66 Co/LA Refinery Wilmington Plant (ID 171107) – Wilmington***

The Phillips 66 Company operates two linked facilities, five miles apart, in Carson and Wilmington. The Phillips 66 Wilmington Refinery (Wilmington Refinery) was built in 1919 and is situated on approximately 424 acres. As described previously, this facility receives and processes intermediate product from the Carson facility and produces petroleum fuels as well as fuel-grade petroleum coke. Air toxic emissions are generated from fluid catalytic cracking, steam generation, electricity generation, and sulfuric acid production processes.

On March 1, 2017, South Coast AQMD staff sent a letter requesting Wilmington Refinery to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with hexavalent chromium and polycyclic aromatic hydrocarbons being the main air toxic contributors to the high priority score.

Wilmington Refinery elected to prepare an ATIR, and submitted the ATIR on August 1, 2017. Following review, South Coast AQMD staff found several deficiencies. Revisions were submitted by Wilmington Refinery staff on November 10, and December 20, 2017. Staff subsequently requested calculations and supporting data. The latest revision was submitted on December 19, 2018 and is currently under review.

#### ***A.24. Phillips 66 Company/Los Angeles Refinery (ID 171109) - Carson***

The Phillips 66 Company operates two facilities, five miles apart, in Carson and Wilmington. The Phillips 66 Carson Refinery (Carson Refinery) was built in 1923 and is situated on approximately 235 acres. The refinery processes mainly heavy, high-sulfur crude oil, which is received by pipeline and at a terminal in the Port of Long Beach. The Carson Refinery produces intermediate product, which is then sent to the Phillips 66 Wilmington Refinery for further processing to produce petroleum fuels and fuel-grade petroleum coke. These facilities have fluid catalytic cracking, alkylation, hydrocracking, coking and naphtha reforming units.

On March 1, 2017, South Coast AQMD staff sent a letter requesting Carson Refinery to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on 2015 annual emissions with arsenic and sulfuric acid being the main contributors to the high priority score. These emissions were mainly from crude distillation, hydro-treating, and steam generation processes at the facility.

Carson Refinery elected to participate in the Voluntary Risk Reduction Program, and submitted the VRRP on August 1, 2017. Following review, South Coast AQMD staff noted several deficiencies. Revisions and clarifications were provided by Carson Refinery staff on multiple instances in 2017 and 2018. South Coast AQMD staff is currently reviewing the latest submittal from September 11, 2018. Reductions of DPM from unpermitted internal combustion engines are an element of the VRRP. In 2018, staff have worked with the permitting teams to evaluate options for incorporating these requirements so that they are enforceable.

### A.25. *Quemetco Inc (ID 8547) – City of Industry* <sup>23</sup>

Quemetco operates a battery recycling and lead recovery facility in the City of Industry. At this facility, used batteries are received, fragmented, and the lead-containing materials are recovered and purified. The primary pollutants for this facility are arsenic, lead, benzene, and 1,3-butadiene.

Multiple AB 2588 HRAs have been approved for Quemetco in the past, most recently in 2010. In October and November 2013, South Coast AQMD staff conducted source tests at Quemetco. The results of the 2013 source tests showed elevated arsenic, benzene, and 1,3-butadiene emissions compared to previous 2009, 2010, and 2012 source tests. As a result, on December 10, 2013, South Coast AQMD staff requested that Quemetco prepare and submit an HRA pursuant to Rule 1402. Quemetco submitted an HRA on May 9, 2014. South Coast AQMD staff sent a comment letter on September 23, 2014 requiring Quemetco to revise their HRA in several areas including an assessment of potential lead impacts relative to the NAAQS, and to address minor comments from the OEHHA. Quemetco provided an updated HRA in January 2015. South Coast AQMD staff requested that Quemetco prepare a new HRA to include two scenarios: 1) a baseline scenario utilizing the November 2013 South Coast AQMD source test input into the dispersion model, and 2) dispersion modeling that reconciled any potential differences between onsite fenceline monitoring data that became available in 2014 and source tests also available from 2014. Quemetco provided an updated HRA in May 2015. On September 16, 2015, South Coast AQMD sent Quemetco a tentative approval of the staff-modified revised HRA. Quemetco commented that the monitoring data collected onsite required revision before incorporating into the HRA. South Coast AQMD staff evaluated Quemetco's monitoring data in late 2015 and early 2016. Onsite fenceline monitoring data was corrected for pre-existing arsenic on blank filters and the dispersion modeling source parameters were also adjusted.

Additionally, in 2014, South Coast AQMD staff initiated a technology demonstration pilot study for in-stack continuous emissions monitoring system (CEMS) and fenceline/perimeter ambient air monitoring for multi-metals. Contracts with Cooper Environmental Services, the only manufacturer of these types of continuous monitors, were initiated to implement the study. The pilot study was conducted at Quemetco and Gerdau in 2015. Preliminary findings from 2015 for ambient multi-metal monitor showed favorable results for lead and less quantitative results for other metals, but most results were useful for trend detection. Quemetco purchased the in-stack CEMS.

South Coast AQMD staff approved the HRA on May 17, 2016 with some revisions. The approved HRA showed that the residential cancer health risk was 16 in-a-million, the worker chronic HI was 1.28, and the cancer burden was 2.0. These values exceeded the Action Risk Level of Rule 1402 and public notification and a RRP were required. Notice of the public meeting was sent to approximately 8,000 residents and businesses within the public notification area. A public notification meeting was held on June 23, 2016 at La Puente High School.

Quemetco submitted an RRP on November 16, 2016. As part of the RRP, Quemetco proposed using in-stack multi-metals CEMS to ensure that Rule 1402 risk thresholds are not exceeded. Quemetco's RRP was conditionally approved on June 22, 2017. The conditions for approval were

---

<sup>23</sup> <http://www.aqmd.gov/home/regulations/compliance/toxic-hot-spots-ab-2588/quemetco>

all related to operation of the CEMS. On June 19, 2018, Quemetco submitted the final implementation report for the RRP. South Coast AQMD approved this report on July 27, 2018.

In addition, Quemetco has requested a permit modification to allow a 25% increase in their daily throughput. South Coast AQMD staff is processing this permit request, and is also preparing an Environmental Impact Report (EIR) as required by the California Environmental Quality Act (CEQA). The EIR will evaluate the potential environmental impacts of this proposed permit modification and will include an analysis of the health risks associated with the throughput increase. There will be multiple opportunities for the public to provide input on the EIR. The Final EIR will include responses to all comments received and must be certified before the permit modification request can be considered for approval.

#### ***A.26. So Cal Edison Co (ID 4477) – Pebbly Beach***

So Cal Edison Co (SCE Pebbly Beach) is the primary producer of electric power for Santa Catalina Island and is located approximately one mile southeast of the city of Avalon. Electricity is generated using six diesel-fired engines. There is also a diesel-fired backup generator and 23 microturbines. Diesel fuel and liquefied petroleum gas (LPG) are periodically shipped in and stored at the facility. LPG is vaporized to produce a petroleum gas and air mixture to form a natural gas surrogate, where it is sent to either local residents or combusted in the microturbines.

On June 13, 2018, South Coast AQMD staff sent a letter requiring SCE Pebbly Beach to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 emissions. The main air toxic contributing to the priority score is DPM from the six diesel-fired internal combustion engines.

SCE Pebbly Beach elected to prepare an ATIR and submitted it on November 13, 2018. The ATIR is currently under review.

#### ***A.27. So Cal Gas Co./Playa del Rey Storage Facility (ID 8582) – Playa del Rey***

Southern California Gas Company (SoCal Gas) is a public utilities company that owns and operates a natural gas storage facility in the Playa del Rey community in the City of Los Angeles. Natural gas is compressed and stored in underground reservoirs. Transmission pipelines distribute natural gas to and from the facility. Primary equipment at the facility include three natural gas internal combustion engines driving air compressors to facilitate storage of natural gas.

On May 31, 2017, South Coast AQMD staff sent a letter requesting SoCal Gas to prepare an ATIR due to the facility having a priority score greater than 10 based on its 2015 annual emissions with formaldehyde, 1,3-butadiene and benzene being the main air toxic contributors to the high priority score. On October 31, 2017, the ATIR was submitted.

On March 22, 2018, the ATIR was approved and SoCal Gas was required to submit an HRA based on the approved ATIR. The HRA was submitted on June 7, 2018 and is currently under review.



***A.28. So Cal Holding, LLC (ID 169754) – Huntington Beach***

SoCal Holding, LLC (SoCal Holding) is a subsidiary of California Resources Corporation, an oil and natural gas exploration and production company. SoCal Holding leases and operates oil production wells, mainly in Huntington Beach with some wells located offshore on a platform approximately 1.5 miles from shore. Recovered field gas is either sold to AES Huntington Beach, combusted in microturbines or flared. The liquid product is stored in tanks linked to truck loading or pipeline.

On October 11, 2017, South Coast AQMD sent a letter requesting SoCal Holding to prepare an ATIR due to the facility having a priority score greater than 10 based on 2015 annual emissions with polycyclic aromatic hydrocarbons and benzene being the main air toxic contributors to the high priority score. The source for polycyclic aromatic hydrocarbons emissions was a flare located on a leased property northwest of the intersection of Goldenwest Street and Pacific Coast Highway. Benzene emissions were reported as fugitive leaks throughout the facility. The ATIR was received on March 13, 2018. Following review, staff found errors and requested corrections to the ATIR. The corrected ATIR was submitted on July 13, 2018. On July 25, 2018, the corrected ATIR was approved and South Coast AQMD staff directed So Cal Holding to prepare and submit an HRA. The HRA was submitted on October 23, 2018 and is currently under review.

***A.29. Southern California Edison (ID 160437) – Redlands***

Southern California Edison owns and operates a power plant, named the Mountainview Generating Station (Mountainview), in the city of Redlands. The power plant consists of four natural gas-fired turbines, each equipped with duct burners, to generate and provide electricity for the Inland Empire area.

On April 20, 2018, South Coast AQMD staff sent a letter requiring Mountainview to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2014 annual emissions, with polycyclic aromatic hydrocarbons being the main air toxic contributor to the high priority score. Polycyclic aromatic hydrocarbons emissions were due to natural gas combustion in the turbines.

Mountainview elected to prepare an ATIR, which was submitted on September 18, 2018. After review, South Coast AQMD staff requested revision and resubmission. The final ATIR incorporating the corrections was submitted on October 23, 2018. The ATIR was reviewed and approved on December 5, 2018.

***A.30. Tesoro Refining & Marketing Co., LLC, Calciner (ID 174591) – Wilmington***

Tesoro Calciner produces calcined petroleum coke, or raw or “green” petroleum coke heated to high temperatures so that volatile hydrocarbon compounds and excess moisture are heated out of the coke. Equipment in Tesoro Calciner’s operations include a rotary kiln, baghouses, conveyor belts, receiver and separator vessels, an afterburner, surge bins, boiler, bucket elevators, loading and unloading stations, shakers, and storage silos.

On April 28, 2017, South Coast AQMD staff sent a letter requesting Tesoro Calciner to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2016 annual emissions with sulfuric acid, arsenic, manganese, and nickel as the main air toxic contributors to the high priority score. On May 25, 2017, Tesoro Calciner elected to participate in the Voluntary Risk Reduction Program, and subsequently submitted the VRRP on September 21, 2017.

After review of the VRRP, South Coast AQMD staff found several deficiencies and on January 31, 2018, a letter requesting revision and resubmittal of the VRRP was sent to the facility. Tesoro Calciner submitted a revised VRRP on February 26, 2018 and again on September 7, 2018. The latest information involved welding emissions. Staff is ensuring that these calculations are consistent for the various submittals received. This most recent information was under review at the end of 2018.

***A.31. Tesoro Refining & Marketing Co., LLC, Los Angeles Refinery (ID 800436, 174655, 174694, 174703) – Carson and Wilmington***

The Tesoro Los Angeles Refinery (Tesoro Refinery) is located along the city border between the cities of Carson and Wilmington in south Los Angeles County. The Tesoro Refinery was originally two adjacent but not contiguous refineries but has been undergoing consolidation through the Los Angeles Refinery Integration and Compliance Project.<sup>24</sup> The Tesoro Refinery will be comprised of approximately 930 acres with a processing capacity of approximately 380,000 barrels per day. In 2017, the Tesoro Corporation underwent a name change to Andeavor.

On December 22, 2016, South Coast AQMD staff sent a letter requesting Tesoro Refinery to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with polycyclic aromatic hydrocarbons, hexavalent chromium, arsenic, naphthalene, benzene, and cadmium as the main air toxic contributors to the high priority score.

Tesoro Refinery elected to participate in the Voluntary Risk Reduction Program, and submitted their VRRP on May 23, 2017. After initial review, South Coast AQMD staff required Tesoro Refinery to make several revisions. Both South Coast AQMD staff and Tesoro Refinery representatives have met several times regarding the revisions and risk reduction measures proposed. South Coast AQMD staff is currently waiting for the necessary revisions to be submitted before continuing the review of the VRRP. At the completion of 2018, South Coast AQMD staff have identified heaters located at Carson for possible source testing. The intention of source testing is to derive a representative emission profile for heaters located at Carson.

***A.32. Tesoro Refining & Marketing Co., LLC (Sulfur Recovery Plant) (ID 151798) – Carson***

Tesoro Sulfur Recovery Plant (Tesoro SRP) is located in Carson east of the Tesoro Los Angeles Refinery. The facility supports petroleum refinery operations by utilizing the Claus process to recover sulfur in the form of hydrogen sulfide from the byproduct gases of refining crude oil. The facility operates boilers, incinerators, condensers, absorbers, storage tanks, sumps, and sulfur pits.

---

<sup>24</sup> [http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2017/tesorolaric/tesoro\\_feir.pdf](http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2017/tesorolaric/tesoro_feir.pdf)

On December 22, 2016, South Coast AQMD staff sent a letter requesting Tesoro SRP to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions with arsenic, polycyclic aromatic hydrocarbons, hexavalent chromium, and formaldehyde as the main air toxic contributors to the high priority score.

Tesoro SRP elected to participate in the Voluntary Risk Reduction Program, and submitted the VRRP on May 23, 2017. After review, on February 15, 2018, South Coast AQMD staff sent a letter requesting revisions and resubmittal of the VRRP. Ongoing communication with Tesoro SRP has occurred to develop the most representative emission estimation methodology. On November 9, 2018, a finalized emissions inventory was submitted by Tesoro SRP for South Coast AQMD staff review. Staff are currently reviewing all documents associated with the VRRP.

#### ***A.33. Torrance Refining Company LLC (ID 181667) – Torrance***

Torrance Refining Company LLC (Torrance Refining) is a subsidiary of PBF Energy, an independent petroleum refiner and supplier of unbranded transportation fuels, heating oils, petrochemical feedstocks, lubricants, and other petroleum products. The Torrance Refinery sits on 750 acres in the City of Torrance and has a 155,000 barrels per day of crude oil processing capacity. The refinery produces various petroleum productions along with coke, and sulfur.

On January 11, 2017, South Coast AQMD staff sent a letter requesting Torrance Refining to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2015 annual emissions polycyclic aromatic hydrocarbons,, arsenic, benzene, and cadmium being the main air toxic contributors to the high priority score.

Torrance Refining elected to participate in the Voluntary Risk Reduction Program and was to submit the VRRP on August 24, 2017 for the 2015 inventory year. However, due to the fact that an explosion had occurred at the facility's fluid catalytic cracking unit during 2015, the facility had limited operations during that year, and South Coast AQMD staff decided that 2016 would be more representative of facility's routine operations and, as a result, required Torrance Refining to use 2016 as the inventory year for their VRRP.

The facility submitted the VRRP on August 24, 2017. After review, South Coast AQMD staff sent a comment letter requesting revisions and resubmittal of the VRRP on October 19, 2017. The revised VRRP was received on November 2, 2017. Supplemental information to this submittal was received through May 8, 2018. On July 12, 2018, Torrance Refining requested alteration of risk reduction measures and to submit a revised VRRP. Following discussion with staff, a further revised VRRP was received on December 5, 2018. This VRRP and associated information are currently under review.

#### ***A.34. Triumph Processing, Inc. (ID 800267) – Lynwood***

Triumph Processing, Inc. (Triumph) owns and operates a metal treating and finishing facility in the City of Lynwood. Triumph treats aluminum and titanium parts for the aerospace industry by using anodizing, plating and painting operations.

On May 31, 2017, South Coast AQMD staff sent a letter requesting Triumph to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2014 annual

emissions with MDI being the main air toxic contributor to the high priority score. MDI emissions were due to coating operation in the spray booths.

Triumph elected to prepare an ATIR, which was submitted on October 30, 2017. As part of the ATIR submittal, Triumph staff audited the reported emissions and discovered that they had misreported the quantities of isocyanates and diisocyanates. South Coast AQMD staff evaluated this emissions revision during the review of the ATIR and evaluated research documents which show isocyanates and diisocyanates are fully transformed into epoxies and not emitted into the ambient air. As a result, staff calculated a new priority score below 10. Subsequently, on May 24, 2018, South Coast AQMD staff sent a letter informing Triumph Processing of the revised priority score and that no further action was required in response to the original notice.

#### ***A.35. TST, Inc. (ID 434326) – Fontana***

TST Inc. (TST) conducts secondary aluminum refining of scrap metal. The facility consists of two separate operations, the first produces aluminum ingots from scrap metal, while the second produces billets. Aluminum chips and borings are received in scrap barrels and bins and dumped into a receiving hopper. The chips and borings are crushed and, if necessary, passed through a dryer to remove any oils or coatings. The aluminum is then sent to furnaces where the dross is used to create the billets and ingots.

On April 20, 2018, South Coast AQMD staff sent a letter requesting TST to prepare either an ATIR or a VRRP due to the facility having a priority score greater than 10 based on its 2014 annual emissions with nickel and arsenic as the main air toxics contributing to the high priority score. On May 22, 2018, TST chose to prepare an ATIR and also submitted the initial information for the ATIR. In accordance with Rule 1402(d)(2)(A), TST was required to submit an ATIR within 150 days of the initial notification date. TST failed to meet the required deadline and was issued a Notice to Comply on October 10, 2018. In response, TST submitted an ATIR on October 24, 2018. South Coast AQMD staff reviewed the ATIR and found errors and required resubmittal. A revised ATIR was submitted on November 30, 2018 but contained additional errors. Staff is currently working with TST to ensure a correct inventory is prepared prior to the next submittal.

#### ***A.36. Ultramar Inc (ID 800026) – Wilmington***

Ultramar Refining Company (Ultramar) is a subsidiary of Valero Energy Corporation and operates a 135,000 barrel per day crude oil processing capacity petroleum refinery facility in Wilmington.

On March 29, 2017, South Coast AQMD staff sent a letter requesting Ultramar to either prepare an ATIR or a VRRP due to the facility having a priority score greater than 10 based on 2015 annual emissions with polycyclic aromatic hydrocarbons emissions as the main air toxic contributor to the high priority score.

Ultramar elected to participate in the Voluntary Risk Reduction Program and submitted the VRRP on August 25, 2017. After review by South Coast AQMD staff, items were found to be missing, which included throughput data, emission factors, calculation basis, and certain devices and device descriptions. Ultramar subsequently provided the missing information on September 15 and October 26, 2017. Ultramar provided information on emission factor reference sources on February 26, 2018. However, review indicated that the VRRP still had an incomplete emissions

inventory, among other issues. From March 22, 2018 thru the end of the year, staff provided comments to the facility regarding unaccounted emissions and continued deficiencies in the submitted files. Upon review of revised files received on December 13, 2018, South Coast AQMD staff determined that the facility once again failed to provide all the requested information and another resubmission was required. Staff is currently working on a final request for the facility to send complete information.

*A.37. Univ Cal, Riverside (ID 49387) – Riverside*

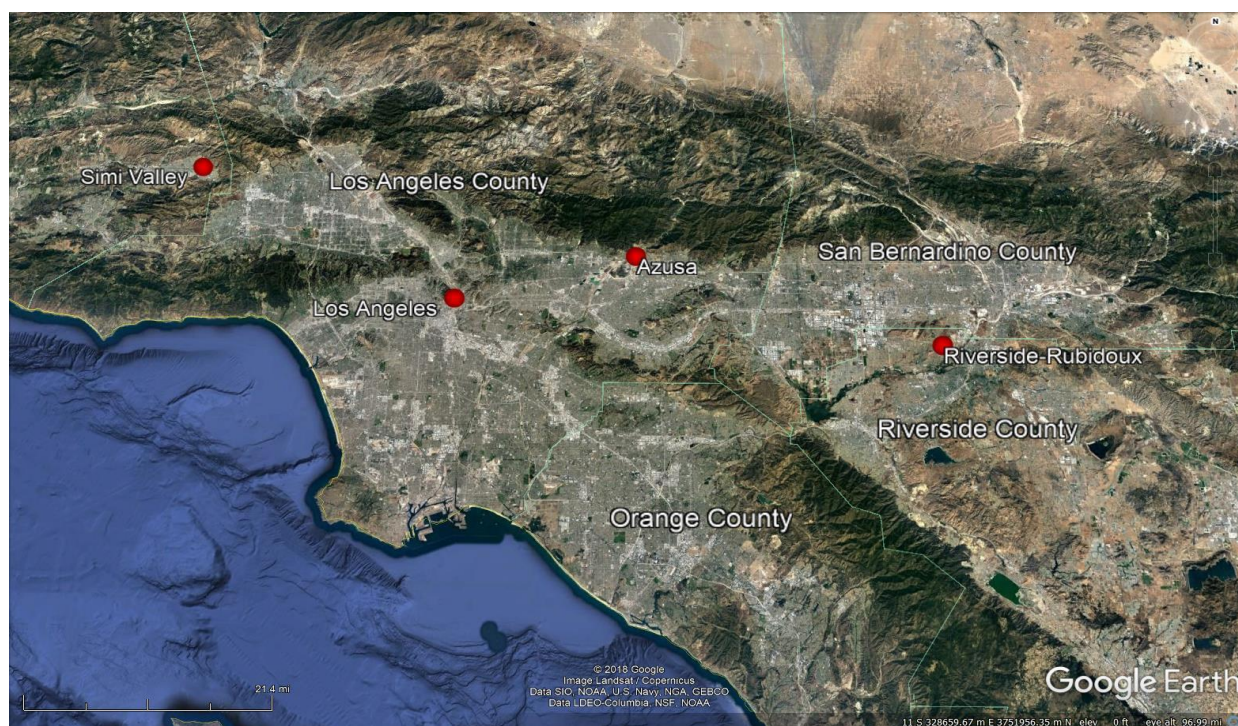
The University of California, Riverside (UCR) is a public research university located in the City of Riverside. UCR submitted an HRA based on their 2013 inventory year emissions. The HRA was submitted voluntarily in order for UCR to be exempt from the requirements of South Coast AQMD Rule 1472. Specifically, Rule 1472 (j) provides an exemption for facilities that comply with all applicable requirements of Rule 1402. The emissions inventories prepared pursuant to Rule 1402 must include the emissions from all diesel engines. South Coast AQMD staff reviewed the HRA and approved it with two modifications: using AERMOD for dispersion modeling, and evaluating risk using the risk assessment methodologies from the 2015 OEHHA Guidelines.

The HRA was approved on November 16, 2018 with resulting risk below the Notification Risk Level.

## Appendix B — Summary of Toxic Air Contaminants in the South Coast Air Basin

In addition to South Coast AQMD's periodic Multiple Air Toxics Exposure Studies (MATES), CARB has maintained a long-term continuous toxics monitoring network since the late 1980's.<sup>25</sup> In this chapter, trends in cancer risks are illustrated for sites in the South Coast Air Basin. Health risk levels for the most recent three-year period (i.e., 2015 to 2017) are also shown for the air toxics which are monitored. CARB's monitoring network does not include DPM, which contributes significantly to cancer risks in the Basin. Since this is ambient air quality data, both mobile and stationary emission sources are captured in the health risk levels provided here. Looking at this historical data set illustrates the benefits of past regulatory control efforts.

Four of the approximately 16 current active sites in CARB's statewide toxics monitoring network are in or near the Basin as shown in Figure B-1. CARB's long-term sites are located in Azusa, Los Angeles, and Riverside-Rubidoux. Simi Valley is included in this analysis since it is just outside the western edge of the Basin and represents conditions at the western end of San Fernando Valley. The measurements consist of 24-hour integrated samples collected once every 12 days. Table B-1 lists the toxic air contaminants that are monitored with the carcinogenic compounds identified with an asterisk.



**Figure B-1 — CARB toxic monitoring sites in the South Coast Air Basin**

<sup>25</sup> Information about and data from CARB's toxic monitoring data are available at:  
<http://www.arb.ca.gov/adam/toxics/toxics.html>



**Table B-1 — Toxic Air Contaminants Monitored**

<b>Toxic VOC</b>		<b>Toxic PM</b>
<b>Acetaldehyde*</b>	<b>Methyl Bromide</b>	<b>Hexavalent Chromium*</b>
<b>Acrolein</b>	<b>Methyl Chloroform</b>	<b>Lead*</b>
<b>Benzene*</b>	<b>Methyl Ethyl Ketone</b>	<b>Manganese</b>
<b>1,3-Butadiene*</b>	<b>Methylene Chloride*</b>	<b>Nickel*</b>
<b>Carbon Tetrachloride*</b>	<b>Perchloroethylene*</b>	<b>Selenium</b>
<b>Chloroform*</b>	<b>Styrene</b>	
<b>Ethyl Benzene*</b>	<b>Toluene</b>	
<b>Formaldehyde*</b>	<b>Trichloroethylene*</b>	

\* Carcinogen

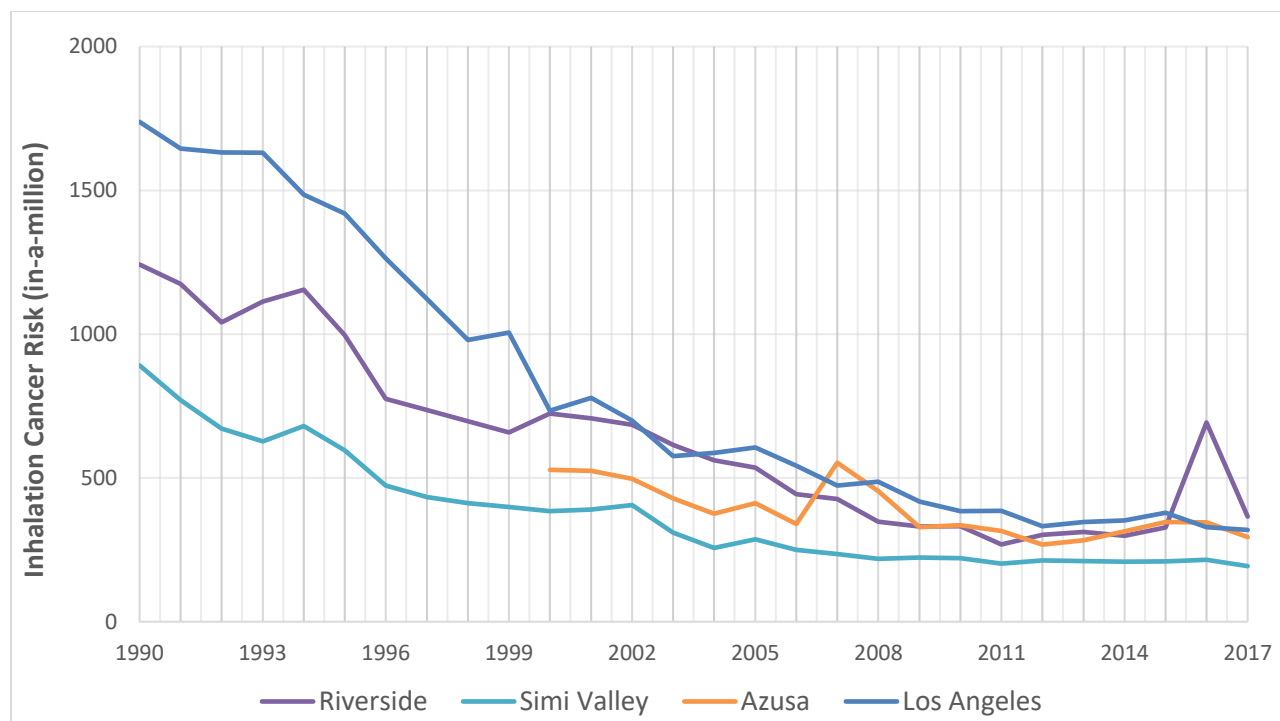
The 2015 OEHHA Risk Assessment Guidelines incorporates age sensitivity and exposure factors which increase cancer health risk estimates to residential and sensitive receptors by approximately three times, and more than three times in some cases depending on whether the toxic air contaminant has multiple pathways of exposure in addition to the inhalation pathway. Under the 2015 OEHHA Risk Assessment Guidelines, even though the toxic pollutant concentrations may not have increased, the estimated cancer risk to a residential receptor will increase.

Figure B-2 presents health risk trends using the 2015 OEHHA Risk Assessment Guidelines.<sup>26</sup> The inhalation cancer risk shown is estimated based on a 30-year exposure. Inhalation cancer health risks have decreased significantly at all stations since 1990. Cancer risks have decreased by 71, 82, and 78 percent at Riverside, Los Angeles, and Simi Valley, respectively.<sup>27</sup> Azusa station shows a decrease in cancer risk by 44 percent since 2000.

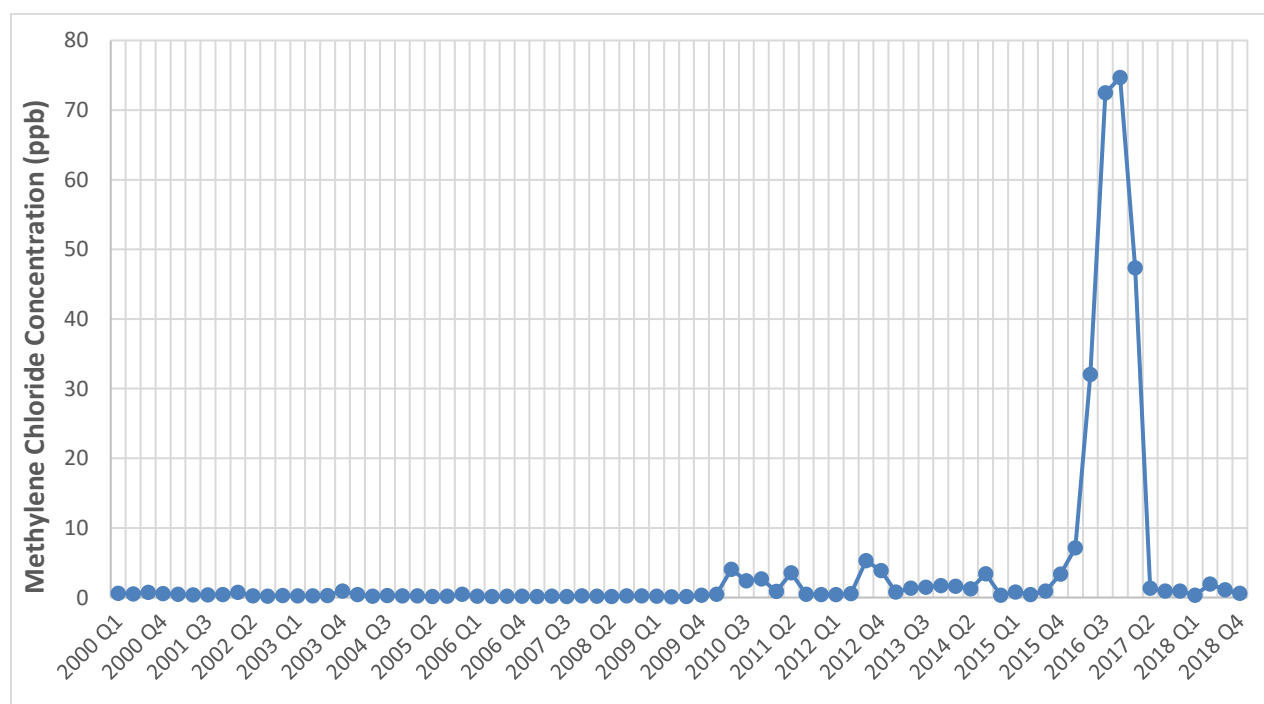
Note that the Riverside station showed an increase in cancer risk for 2016. This was solely due to higher measured concentrations of methylene chloride for 2016, which were more than 30 times higher than the previous year. The readings for 2017, however, dropped to a level that is more consistent with 2015 and earlier data. Figure B-3 shows the monitored methylene chloride concentrations at the Riverside station from 2000 to 2018, averaged by quarter.

<sup>26</sup> Excluding cancer risks from DPM.

<sup>27</sup> Some concentrations were not available for certain years. In order to avoid under-representing the total cancer risk from all toxic compounds, values are interpolated between years where possible. If data for a certain toxic compound is unavailable for the latest year, the available data point from the most recent prior year is used in its place.



**Figure B-2 — Trends in Inhalation Cancer Risks in the Basin (1990-2017)**



**Figure B-3 — Methylene Chloride Monitored Concentrations at Riverside Station, Averaged by Quarter (2000 to 2018)**



Azusa station started in 1995 as one of the Photochemical Assessment Monitoring Stations (PAMS) network aimed at determining speciated hydrocarbon ozone precursor compounds in ambient air. On October 17, 2006, U.S. EPA issued final amendments to PAMS monitoring requirements in 40 CFR Code 58. On July 1, 2009, to address these amendments, and with site-specific observations from the PAMS network assessment project, Azusa station was reclassified from Type 3 (maximum ozone concentration site) to Type 2 (maximum ozone precursor emissions impact site or above 8-hour ozone). The proposed change addressed the National PAMS Network Assessment that Azusa has high Volatile Organic Compounds (VOC) and Oxides of Nitrogen (NOX) concentrations, with lower ozone concentrations. The site now more closely resembles a Type 2 ozone precursor site.

The reduction in cancer risk at the Azusa station is primarily from reductions in ambient concentrations of benzene and 1,3-butadiene. Benzene accounts for 41 percent of the cancer risk reduction and 1,3-butadiene accounts for 46 percent of the cancer risk reduction.

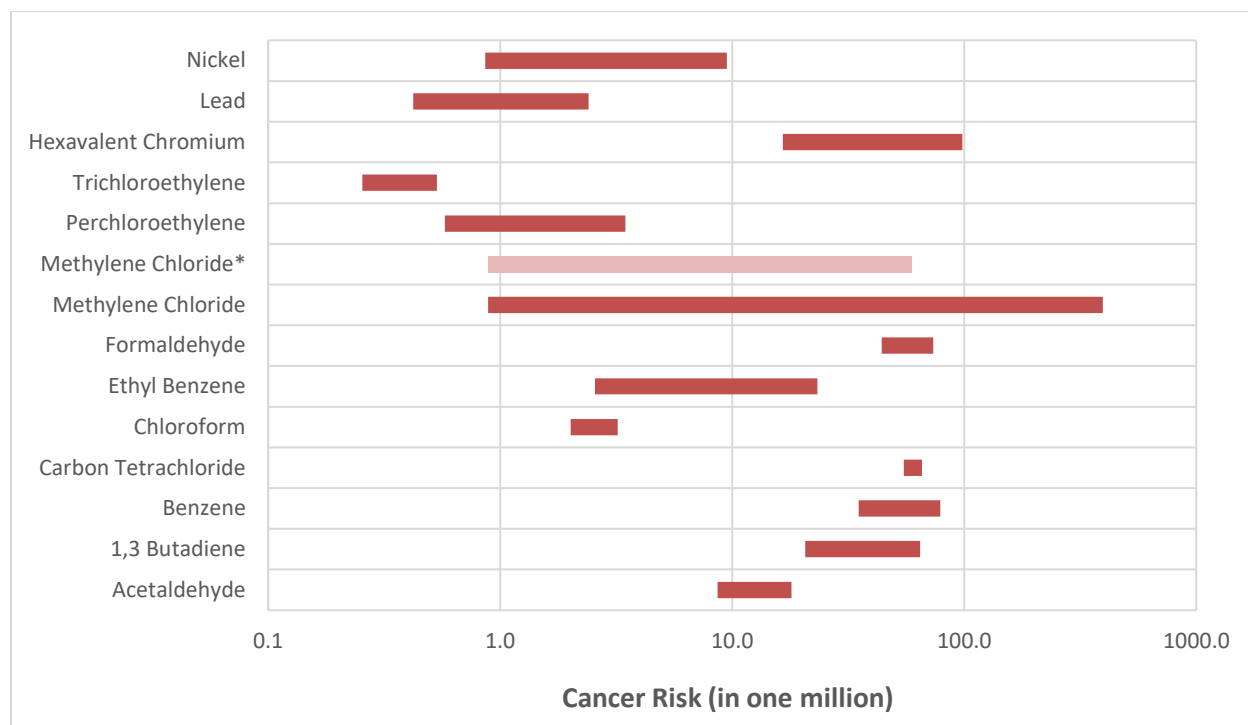
The cancer risk reductions shown in Figure B-2 occurred despite significant increases in population and vehicle activity. As shown in Table B-2, the population increased by 40 percent since 1990 and daily vehicle miles traveled), vehicle population, and daily fuel consumption increased by 44, 55, and 32 percent, respectively.

**Table B-2 — Change in Population and Vehicle Activity in the Basin Since 1990**

<b>Activity Variable</b>	<b>1990</b>	<b>2018</b>	<b>Percentage Increase</b>
<b>Population</b>	<b>13,083,594</b>	<b>18,278,662</b>	<b>39.7%</b>
<b>Daily Vehicle Miles Traveled (1,000 mile per day)</b>	<b>282,561</b>	<b>406,476</b>	<b>43.9%</b>
<b>Vehicle Population</b>	<b>7,547,354</b>	<b>11,707,190</b>	<b>55.1%</b>
<b>Daily Fuel Consumption (1,000 gal per day)</b>	<b>18,338</b>	<b>24,265</b>	<b>32.3%</b>

Source: [http://www.arb.ca.gov/app/emsinv/trends/ems\\_trends.php](http://www.arb.ca.gov/app/emsinv/trends/ems_trends.php).

The relative importance of each of the toxics at the four monitoring stations is illustrated in Figure B-4 below. These ranges do not represent all potential exposures, and some areas near facilities with toxic air contaminant emissions may have higher cancer risks. The range of cancer risks for the four sites analyzed here are shown for the most recently available three-year period (2015 to 2017). As mentioned previously, the range of inhalation cancer risk includes the high measurements for methylene chloride from 2016 at the Riverside station that are inconsistent with all other readings taken at this station. To better demonstrate the effect, methylene chloride is shown in the charts twice: inclusive of all readings, and exclusive of the high Riverside readings.



\* Excludes peak readings from Riverside station in 2016

**Figure B-4 — Inhalation Cancer Risks in the Basin (2015 to 2017) (excluding DPM)**

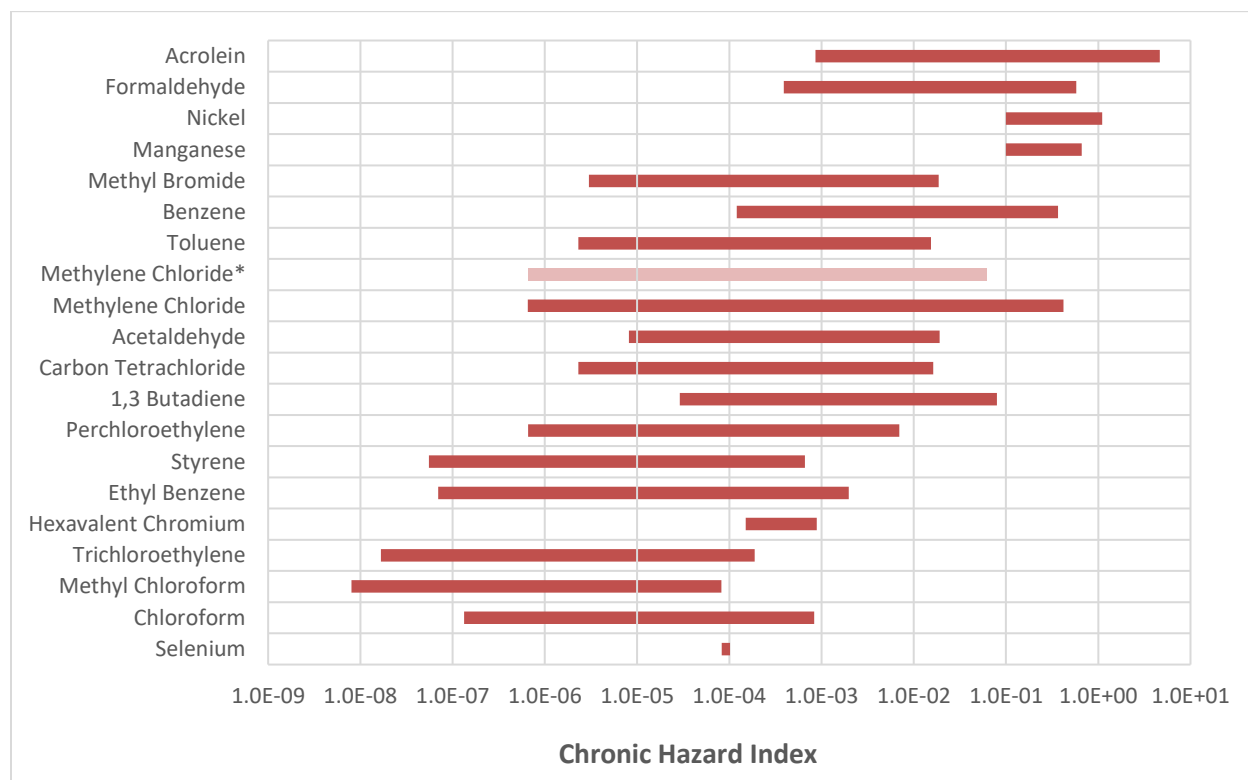
Benzene, 1,3-butadiene, formaldehyde, carbon tetrachloride, hexavalent chromium, methylene chloride, acetaldehyde, and ethyl benzene are the largest contributors to the inhalation cancer risks, contributing individually from approximately 0.9 to 396 in-a-million. The ambient carbon tetrachloride concentrations observed in the Basin are not from a local source of emissions but represent background conditions. Note that there is little variability in cancer risks attributable to carbon tetrachloride as indicated by its short bar in Figure B-4. In fact, there is little variability statewide in carbon tetrachloride concentrations, with concentrations varying by less than ten percent. Perchloroethylene, chloroform, and nickel each contribute between approximately 0.6 and 9.5 in-a-million and trichloroethylene and lead contribute on average about two in-a-million to the inhalation cancer risks.

As demonstrated in the series of MATES conducted by South Coast AQMD staff, DPM is by far the largest contributor to inhalation cancer risks observed in the Basin. The MATES IV study attributed about 68 percent of the inhalation cancer risks to DPM based on emissions from 2012,<sup>28</sup> compared to 84 percent in MATES III based on emissions in 2005.<sup>29</sup> The total cancer risks shown in Figures B-2 and B-4 therefore represent only about 32 percent of the population weighted inhalation cancer risks found in the MATES IV study.

<sup>28</sup> See page ES-2 of the MATES IV Executive Summary which is available at: <http://www.aqmd.gov/docs/default-source/air-quality/air-toxic-studies/mates-iv/mates-iv-final-draft-report-4-1-15>

<sup>29</sup> See page ES-3 of the MATES III Executive Summary which is available at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iii/mates-iii-final-report>

The range of non-cancer chronic risks for the four sites analyzed here are shown in Figure B - 5 for the most recently available three-year period (2015 to 2017). Similar to the cancer risk analysis, an additional Methylene Chloride data entry (denoted with an asterisk) was added to remove the high readings recorded at the Riverside monitor. For each toxic air contaminant, the ratio of the observed concentration to the pollutant's chronic REL is shown. Ratios less than one indicate that the observed concentrations are less than OEHHA's defined RELs, and are not anticipated to result in adverse non-cancer health effects in the general population, including sensitive subpopulations. Ratios greater than one indicate the potential for adverse health effects. This concentration to REL ratio is also referred to as the Hazard Index (HI).

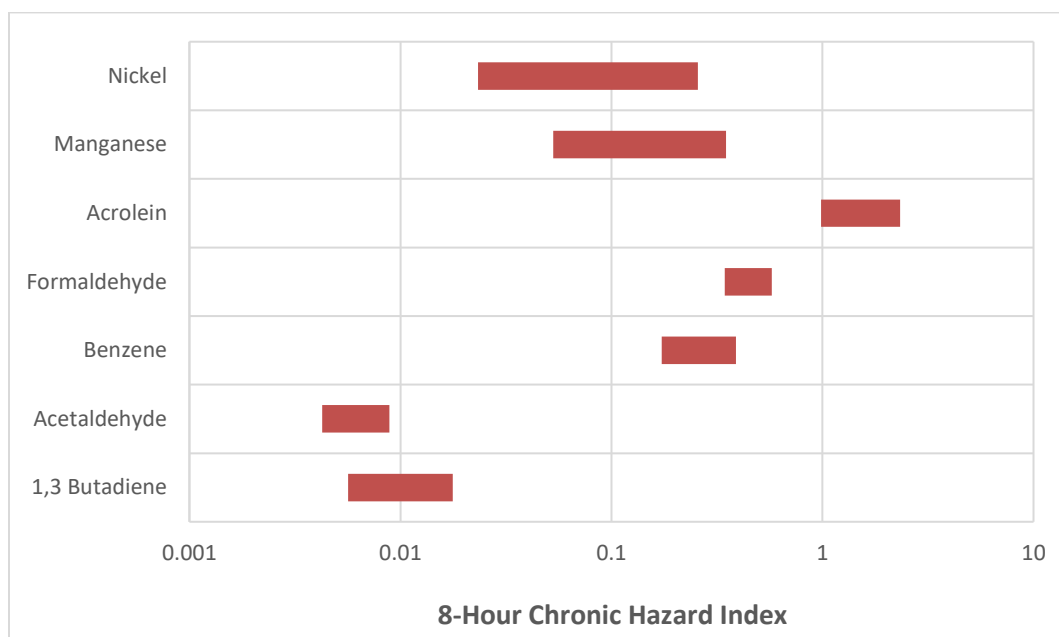


\* Excludes peak readings from Riverside station in 2016

**Figure B-5 — Non-cancer Chronic Risks in the Basin (2015 to 2017)**

Note that acrolein, a respiratory irritant, is the only toxic air contaminant in which ambient concentrations are above its REL throughout the state and thus may partially reflect general background conditions. However, it should be noted that acrolein is well known to be difficult to measure with current techniques, and therefore, there is considerable uncertainty and data quality

issues associated with these measurements.<sup>30</sup> At best, acrolein monitoring data should be considered as a rough indicator, not accurate enough to be compared to health benchmarks. Acrolein emissions can better be estimated using computer modeling methods.



**Figure B-6 — Non-cancer 8-Hour Chronic Risks in the Basin (2015 to 2017)**

The 2015 OEHHA Risk Assessment Guidelines includes methodology for estimating an 8-hour chronic HI using 8-hour REL developed for this purpose. The 8-hour RELs were developed only for repeated, chronic daily 8-hour exposures (e.g. a typical worker or resident exposed to a facility that operates equal to or more than 8 hours per day and 5 days per week). The 8-hour chronic HI is based upon the daily average 8-hour exposure only for those chemicals with 8-hour chronic RELs. The range of non-cancer 8-hour chronic health risks for the four sites analyzed here are shown above in Figure B-6 for the most recently available three-year period (2015 to 2017). Methylene chloride does not have an 8-hour REL as defined by OEHHA and does not affect the 8-hour chronic hazard index.

As stated above, acrolein is the only toxic air contaminant in which ambient concentrations are above its REL. It should be noted that the ambient concentrations of acrolein are above its REL throughout the state and thus may partially reflect general background conditions.

<sup>30</sup> R. Schulte-Ladbeck, et al. "Characterization of chemical interferences in the determination of unsaturated aldehydes using aromatic hydrazine reagents and liquid chromatography." J. Environ. Monit., 2001, 3, 306–310.  
 Ho, S.S.H., et al. "Unsuitability of using the DNPH-coated solid sorbent cartridge for determination of airborne unsaturated carbonyls." Atmospheric Environment. 2011 45, 261-265.  
 Herrington, J.S., et al. "Concerns regarding 24-h sampling for formaldehyde, acetaldehyde, and acrolein using 2,4-dinitrophenylhydrazine (DNPH)-coated solid sorbents." Atmospheric Environment 2012, 55, 179-184.  
 Grosjean, D., "Ambient Levels of Formaldehyde, Acetaldehyde, and Formic Acid in Southern California: Results of a One- Year Base-Line Study," Environmental Science & Technology, Vol 25, 1991, pp. 710–715.

## Appendix C — Health Risks from Facilities with an Approved HRA

The tables in Appendix C list the facilities and the health risks identified in their HRAs or RRP as reviewed and approved by South Coast AQMD staff. Risks presented in these tables were calculated based on guidance that was available from OEHHA at the time of HRA approval. For example, the health risks presented in this appendix for facilities with HRA approval date prior to 2015 do not include the health risk calculation methodologies (2015 OEHHA Risk Assessment Guidelines) that account for the differences in children's breathing rates and place greater emphasis on their susceptibility to cancer risk in comparison to adults. The health risks in all HRAs finalized by South Coast AQMD staff in 2015 were recalculated to reflect the 2015 OEHHA Risk Assessment Guidelines. Additionally, facilities that have elected to participate in the Voluntary Risk Reduction Program and have an approved VRRP are listed in Table D-2.

Table C-1 lists the facilities in order of their cancer risks and Table C-2 lists the facilities ordered by facility ID. The listed health risks are from an approved HRA, unless an approved RRP has been fully implemented. In those instances, the listed health risks reflect the health risks after the implementation of the RRP. Appendix D lists the status of the facility's RRP and is presented by facility ID. Attention should also be given to the footnotes for this appendix which denote facilities with updated HRAs pending approval and facilities with health risks including emergency diesel internal combustion engines. It also provides the last known status of each facility as follows:

“A” – Active (note that facilities with this status may not be in operation currently)

“O” – Out of business or inactive

“Out of business or inactive” facilities have been retained for historical purposes since staff occasionally receives public inquiries regarding these facilities. Facilities may undergo change of ownership could have different name and facility ID numbers. The following thresholds are identified in South Coast AQMD Rule 1402 — Control of Toxic Air Contaminants from Existing Sources:

Thresholds	Cancer Risk in MM	Acute, Chronic HI	Cancer Burden
<b>Significant Risk Level</b>	$\geq 100$	$\geq 5.0$	N/A
<b>Action Risk Level</b>	$\geq 25$	$\geq 3.0$	$\geq 0.5$
<b>Notification Risk Level</b>	$\geq 10$	$\geq 1.0$	N/A
<b>Voluntary Risk Threshold</b>	$\geq 10$	$\geq 1.0$	N/A
<b>Exemption Level</b>	$< 1$	$< 0.1$	N/A

**Table C-1**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
16951	A	ANAPLEX CORP	PARAMOUNT	2836.0	9.73	23.84	2.02	2018
23752	A	AEROCRAFT HEAT TREATING CO INC	PARAMOUNT	1900.0	11.00	2.90	0.15	2018
171107	A	PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	WILMINGTON	23.2	0.29	0.10	0.70	2013
122822	O	CONSOLIDATED FILM INDUSTRIES, LLC	HOLLYWOOD	21.0	ND	0.10	0.40	2000
181426	A	OC WASTE & RECYCLING, COYOTE	NEWPORT COAST	20.1	0.18	0.60	0.30	2009
14495	A	VISTA METALS CORPORATION	FONTANA	19.8	0.06	0.00	0.30	2008
165192	A	TRIUMPH AEROSTRUCTURES, LLC (b)	HAWTHORNE	19.7	ND	0.64	0.24	1999
11142	A	KEYSOR-CENTURY CORP	SAUGUS	17.0	ND	0.50	0.10	2000
18989	A	BOWMAN PLATING CO INC	COMPTON	17.0	0.00	0.01	0.01	2015
22911	A	CARLTON FORGE WORKS	PARAMOUNT	15.4	ND	1.76	1.04	2016
35302	A	OWENS CORNING ROOFING AND ASPHALT, LLC (c)	COMPTON	14.0	0.02	0.10	0.10	2000
41229	A	LUBECO INC	LONG BEACH	14.0	ND	0.00	0.10	2002
180631	A	STCDARA, LLC	LA PUENTE	13.8	0.02	0.01	0.74	2001
23907	A	JOHNS MANVILLE CORP	CORONA	13.0	ND	0.40	2.70	1999
18648	O	CROWN CITY PLATING CO.	EL MONTE	12.0	ND	0.40	0.10	2000
800436	A	TESORO REFINING AND MARKETING CO, LLC	WILMINGTON	10.7	0.37	0.30	0.40	2013
106797	A	SAINT-GOBAIN CONTAINERS, INC.	LOS ANGELES	9.9	ND	0.00	0.10	2000
22128	O	AEROJET ORDNANCE CO	DOWNEY	9.8	ND	0.00	0.10	2000
148925	A	CHERRY AEROSPACE	SANTA ANA	9.7	ND	0.10	0.20	1999
800373	A	LAKELAND DEVELOPMENT COMPANY	SANTA FE SPRINGS	9.7	ND	0.30	0.10	2000
187165	A	ALTAIR PARAMOUNT, LLC	PARAMOUNT	9.6	ND	0.00	0.00	2002
15504	A	SCHLOSSER FORGE COMPANY	RANCHO CUCAMONGA	9.5	0.07	1.59	1.11	2002
800149	A	US BORAX INC	WILMINGTON	9.5	ND	0.00	0.00	2000
800318	A	GRISWOLD INDUSTRIES	COSTA MESA	9.5	0.01	0.10	0.00	2001
10510	A	GREGG INDUSTRIES INC	EL MONTE	9.4	ND	0.60	0.60	2008
62897	A	NORTHROP GRUMMAN CORP, MASD	PICO RIVERA	9.4	ND	1.00	0.50	2000

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
155828	A	GARRETT AVN. SVCS. LLC DBA STANDARD AERO	LOS ANGELES	9.3	ND	0.19	0.25	2002
42922	A	CMC PRINTED BAG INC	WHITTIER	9.0	ND	0.00	0.00	1995
174710	A	TESORO LOGISTICS, VINVALE TERMINAL	SOUTH GATE	9.0	ND	0.00	0.00	1994
169990	A	SPS TECHNOLOGIES, LLC	GARDENA	8.9	ND	0.10	0.10	1999
800184	A	GOLDEN WEST REF CO	SANTA FE SPRINGS	8.8	ND	0.20	0.10	1997
187823	A	KIRK HILL INC	BREA	8.7	0.00	0.20	0.10	2007
18931	A	TAMCO	RANCHO CUCAMONGA	8.7	0.25	0.49	0.61	2015
175124	A	AEROJET ROCKETDYNE OF DE, INC.	CANOGA PARK	8.7	ND	0.00	0.00	1995
2680	A	LA CO., SANITATION DISTRICT	WHITTIER	8.6	ND	0.00	0.00	1999
44454	A	STRUCTURAL COMPOSITES IND	POMONA	8.6	0.00	0.00	0.20	2002
7203	A	HESSCO IND INC	LA HABRA	8.6	ND	0.00	0.00	1995
15736	A	HENRY CO	HUNTINGTON PARK	8.5	ND	0.00	0.00	2000
800057	A	KINDER MORGAN LIQUIDS TERMINALS, LLC	CARSON	8.5	ND	0.00	0.10	1999
800079	A	PETRO DIAMOND TERMINAL CO	LONG BEACH	8.3	ND	0.00	0.20	1998
9793	O	MODERN PLATING CO	LOS ANGELES	8.2	ND	0.10	0.00	1995
21615	O	PERKINELMER OPTOELECTRONICS SC, INC	AZUSA	8.1	ND	0.20	0.10	1998
110924	A	WESTWAY TERMINAL COMPANY, LLC	SAN PEDRO	8.0	ND	0.30	0.50	1997
3609	A	AL'S PLATING CO INC	LOS ANGELES	7.8	ND	0.30	0.20	1999
37603	A	SGL TECHNIC INC, POLYCARBON DIVISION	VALENCIA	7.8	ND	0.00	0.40	1998
800182	A	RIVERSIDE CEMENT CO (c)	RIVERSIDE	7.8	0.11	0.10	0.10	2001
13920	A	SAINT JOSEPH HOSPITAL	ORANGE	7.7	0.00	0.80	0.30	2008
181667	A	TORRANCE REFINING COMPANY LLC	TORRANCE	7.7	0.15	0.20	0.50	2013
18294	A	NORTHROP GRUMMAN SYSTEMS CORP	EL SEGUNDO	7.6	ND	0.13	0.05	1999
113170	A	SANTA MONICA - UCLA MEDICAL CENTER (b)	SANTA MONICA	7.6	0.14	0.20	0.00	1997
800214	A	LA CITY, SANITATION BUREAU (HTP) (c)	PLAYA DEL REY	7.6	ND	0.10	0.00	1999
20197	A	LAC/USC MEDICAL CENTER	LOS ANGELES	7.5	ND	0.70	0.40	2007
800032	A	CHEVRON USA INC	MONTEBELLO	7.5	0.14	0.00	0.20	1999

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
800150	A	US GOVT, AF DEPT, MARCH AIR RESERVE BASE	RIVERSIDE	7.4	0.02	0.30	0.00	2008
108701	A	SAINT-GOBAIN CONTAINERS, INC.	EL MONTE	7.3	ND	0.10	0.10	2000
117560	A	EQUILON ENTER, LLC-SHELL OIL PROD. US	WILMINGTON	7.3	ND	0.00	0.10	1998
174655	A	TESORO REFINING & MARKETING CO, LLC	CARSON	7.3	ND	0.30	0.10	2000
800026	A	ULTRAMAR INC	WILMINGTON	7.2	0.18	0.70	0.20	2012
800113	A	ROHR, INC.	RIVERSIDE	7.2	0.01	0.90	0.00	2007
800236	A	LA CO. SANITATION DIST	CARSON	7.2	ND	0.20	0.10	2007
8547	A	QUEMETCO INC (c)	CITY OF INDUSTRY	7.1	0.45	0.09	0.69	2016
27343	O	CON AGRA INC, GILROY FOODS DBA	SANTA ANA	7.1	ND	0.20	0.10	1995
49387	A	UNIV CAL, RIVERSIDE	RIVERSIDE	7.1	ND	0.00	0.00	2018
11197	O	TRIGEN-LA ENERGY CORP	HUNTINGTON BEACH	7.0	ND	0.00	0.00	1995
800209	A	BKK CORP (EIS USE)	WEST COVINA	6.9	ND	0.00	0.10	2000
800372	A	EQUILON ENTER. LLC, SHELL OIL PROD. US	CARSON	6.9	ND	0.40	0.10	2001
20280	A	METAL SURFACES INC	BELL GARDENS	6.8	0.00	0.90	0.30	2011
5723	A	DUCOMMUN AEROSTRUCTURES INC	ORANGE	6.7	ND	0.00	0.10	1999
87908	O	STRUCTURAL POLYMER SYSTEMS, INC	CULVER CITY	6.6	ND	0.00	0.20	1997
171109	A	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	CARSON	6.6	0.11	0.00	0.30	2011
186519	A	EMBEE PROCESSING	SANTA ANA	6.6	ND	0.21	0.58	2000
6643	A	TECHNICOLOR INC	NORTH HOLLYWOOD	6.5	ND	0.00	0.10	2007
11726	A	GE ENGINE SERVICES	ONTARIO	6.5	ND	0.10	0.60	1999
34764	A	CADDOCK ELECTRONICS INC	RIVERSIDE	6.5	ND	0.00	0.10	2002
168088	A	POLYNT COMPOSITES USA INC	LYNWOOD	6.5	ND	0.10	1.60	1995
1073	A	BORAL ROOFING LLC	CORONA	6.4	0.00	0.51	2.72	2018
2852	A	THE WALT DISNEY COMPANY	BURBANK	6.4	0.03	0.00	0.00	1997
16660	A	THE BOEING COMPANY	HUNTINGTON BEACH	6.4	0.02	0.01	0.08	2015
800066	A	HITCO CARBON COMPOSITES INC	GARDENA	6.4	ND	0.30	0.00	1995
183567	A	GS II, INC. (c)	WILMINGTON	6.3	0.04	1.82	0.19	2018



**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
4477	A	SO CAL EDISON CO	AVALON	6.3	0.02	0.00	0.00	2012
1226	A	HYATT DIE CAST & ENGINEERING CORP	CYPRESS	6.2	ND	0.00	0.10	1996
45262	A	LA COUNTY SANITATION DIST SCHOLL CANYON	GLENDALE	6.2	ND	0.00	0.10	1998
146570	A	ROHM AND HAAS CHEMICALS LLC	LA MIRADA	6.2	ND	0.50	0.80	1999
800067	A	THE BOEING COMPANY	EL SEGUNDO	6.2	ND	0.00	0.10	2000
140961	A	GKN AEROSPACE TRANSPARENCY SYS INC	GARDEN GROVE	6.0	ND	0.00	0.50	1996
800022	A	CALNEV PIPE LINE, LLC	BLOOMINGTON	5.9	ND	0.00	0.10	1999
800047	O	FLETCHER OIL & REF CO	CARSON	5.9	ND	0.00	0.00	1998
800198	A	ULTRAMAR INC	WILMINGTON	5.9	ND	0.00	0.10	1999
800279	A	SFPP, L.P. (NSR USE ONLY)	ORANGE	5.9	ND	0.00	0.20	1999
8578	A	ASSOCIATED CONCRETE PROD. INC	SANTA ANA	5.8	ND	0.10	0.60	1999
800129	A	SFPP, L.P.	BLOOMINGTON	5.8	ND	0.00	0.00	1996
136148	A	E/M COATING SERVICES	NORTH HOLLYWOOD	5.8	ND	0.30	0.60	1998
164864	A	ARROWHEAD BRASS & PLUMBING	LOS ANGELES	5.7	ND	0.30	0.00	1995
22410	A	PALACE PLATING	LOS ANGELES	5.6	ND	0.73	0.38	2004
38971	A	RICOH ELECTRONICS INC	IRVINE	5.6	ND	0.00	0.40	1995
800288	A	UNIV CAL IRVINE (NSR USE ONLY)	IRVINE	5.6	ND	0.00	0.10	1996
14146	A	MAC GREGOR YACHT CORP	COSTA MESA	5.5	ND	0.00	0.10	1998
185352	A	SNOW SUMMIT, LLC.	BIG BEAR LAKE	5.5	ND	0.20	0.00	2007
54424	A	L&L CUSTOM SHUTTERS INC,ALLWOOD SHUTTERS	PLACENTIA	5.5	ND	0.20	0.20	2001
800409	A	NORTHROP GRUMMAN SYSTEMS CORPORATION	REDONDO BEACH	5.5	ND	0.50	0.20	1998
800196	A	AMERICAN AIRLINES, INC,	LOS ANGELES	5.4	0.19	0.86	0.08	2002
182752	A	TORRANCE LOGISTICS COMPANY LLC	VERNON	5.3	ND	0.10	0.00	1997
134018	A	INDUSTRIAL CONTAINER SERVICES-CA LLC	MONTEBELLO	5.2	ND	0.60	0.20	2000
1836	A	UNION OIL CO OF CALIFORNIA	BREA	5.0	ND	0.00	0.00	2001
15549	O	A J INDUSTRIES INC, SARGENT-FLETCHER CO	EL MONTE	4.9	ND	0.20	0.00	1999
800037	A	DEMENNO-KERDOON DBA WORLD OIL RECYCLING	COMPTON	4.9	0.01	0.01	0.02	2009

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
11192	A	HI-SHEAR CORPORATION	TORRANCE	4.8	ND	0.00	0.00	2008
800038	A	THE BOEING COMPANY - C17 PROGRAM	LONG BEACH	4.8	ND	0.20	0.10	1999
800264	A	EDGINGTON OIL COMPANY	LONG BEACH	4.8	0.00	0.00	0.00	2002
101977	A	SIGNAL HILL PETROLEUM INC	SIGNAL HILL	4.7	ND	0.60	1.00	1998
3950	A	CROWN CORK & SEAL CO INC	LA MIRADA	4.6	ND	0.00	0.10	1997
83102	A	LIGHT METALS INC	CITY OF INDUSTRY	4.5	0.01	0.00	2.70	2002
157451	A	BENDER CCP INC	VERNON	4.4	0.00	1.00	0.00	2002
800041	A	DOW CHEM U.S.A.	TORRANCE	4.4	ND	0.10	0.00	2000
93346	A	WAYMIRE DRUM CO,INC.,S EL MONTE FACILITY	SOUTH EL MONTE	4.3	ND	0.10	0.20	1997
174591	A	TESORO REF & MKTG CO LLC,CALCINER (c)	WILMINGTON	4.3	ND	0.10	0.20	1995
177042	A	SOLVAY USA, INC	LONG BEACH	4.3	ND	0.30	0.00	2001
124506	A	THE BOEING COMPANY	TORRANCE	4.2	ND	0.50	0.10	1995
6459	O	HONEYWELL INTERNATIONAL INC	VERNON	4.1	ND	0.00	0.00	1999
7533	A	SIMS HUGO NEU WEST	TERMINAL ISLAND	4.1	ND	1.30	0.10	2003
18439	O	ACE PLATING CO INC	LOS ANGELES	4.1	ND	0.60	0.20	1998
45489	A	ABBOTT CARDIOVASCULAR SYSTEMS, INC.	TEMECULA	3.8	0.01	1.30	0.00	2002
126060	A	STERIGENICS US, LLC	ONTARIO	3.8	0.00	0.00	0.00	2007
8820	A	REULAND ELECTRIC CO, H.BRITTON LEES	CITY OF INDUSTRY	3.7	ND	0.00	0.00	1996
9114	O	SOMITEX PRINTS OF CAL INC	CITY OF INDUSTRY	3.7	ND	0.10	0.00	1996
17325	A	ACE CLEARWATER ENTERPRISES	PARAMOUNT	3.7	ND	0.00	0.00	2002
106838	A	VALLEY-TODECO, INC	SYLMAR	3.7	ND	0.20	0.20	2000
7427	A	OWENS-BROCKWAY GLASS CONTAINER INC	VERNON	3.6	ND	0.01	0.06	1999
105598	A	SENIOR AEROSPACE SSP	BURBANK	3.6	ND	1.00	0.50	2001
126197	A	STERIGENICS US, INC.	LOS ANGELES	3.6	ND	0.00	0.00	1996
3420	A	HONEYWELL INTERNATIONAL INC	EL SEGUNDO	3.6	ND	0.00	0.50	2000
8015	A	ANADITE INC	SOUTH GATE	3.5	ND	0.63	0.78	1998
127568	A	ENGINEERED POLYMER SOLUTION, VALSPAR	MONTEBELLO	3.5	ND	0.10	0.50	2000

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
140811	A	DUCOMMUN AEROSTRUCTURES INC	MONROVIA	3.5	0.01	0.00	0.00	2002
151899	A	CALIFORNIA RESOURCES PRODUCTION CORP	NEWHALL	3.5	ND	0.00	0.20	2000
9163	A	INLAND EMPIRE UTL AGEN, A MUN WATER DIS	ONTARIO	3.4	ND	0.30	0.00	2007
57329	O	KWIKSET CORP	ANAHEIM	3.4	ND	0.00	0.10	2000
185575	A	BRIDGE ENERGY, LLC	BREA	3.4	ND	0.00	0.00	1999
800204	O	SIMPSON PAPER CO	POMONA	3.4	ND	0.00	0.00	1996
126191	A	STERIGENICS US, INC.	LOS ANGELES	3.3	ND	0.00	0.00	1996
153546	A	HUCK INTERNATIONAL INC	CARSON	3.3	ND	0.00	0.00	1999
800063	A	GROVER PROD. CO (EIS USE)	LOS ANGELES	3.3	0.04	0.88	0.07	2001
800189	A	DISNEYLAND RESORT	ANAHEIM	3.3	0.03	0.10	0.10	2009
18396	A	SPRAYLAT CORP	LOS ANGELES	3.2	0.00	0.70	0.00	2012
6384	A	LA CO., RANCHO LOS AMIGOS NAT. REHAB CTR	DOWNEY	3.1	ND	0.00	0.10	1999
10005	A	ELECTRONIC CHROME GRINDING CO, INC	SANTA FE SPRINGS	3.0	0.01	0.20	0.10	2001
11435	A	PQ CORPORATION	SOUTH GATE	3.0	ND	0.00	0.00	1998
113676	A	VICKERS	LOS ANGELES	3.0	ND	0.00	0.00	1995
174703	A	TESORO LOGISTICS,CARSON PROD TERMINAL	CARSON	3.0	ND	0.00	0.00	1994
2613	A	U.S.GVT,NAVY,NAVAL WEAPONS STN SEAL BCH	SEAL BEACH	2.9	ND	0.10	0.00	2002
18452	A	UNIVERSITY OF CALIFORNIA, LOS ANGELES (c)	LOS ANGELES	2.9	ND	0.00	0.10	1999
52517	A	REXAM BEVERAGE CAN COMPANY	CHATSWORTH	2.9	0.01	0.70	0.10	2009
116868	A	EQUILON ENTER. LLC, SHELL OIL PROD. U S	BLOOMINGTON	2.9	ND	0.00	0.00	1999
48274	A	FENDER MUSICAL INST	CORONA	2.8	ND	0.00	0.40	1997
151798	A	TESORO REFINING AND MARKETING CO, LLC	CARSON	2.8	ND	0.10	0.00	1999
167981	A	TESORO LOGISTICS, WILMINGTON TERMINAL	WILMINGTON	2.8	ND	0.00	0.00	2000
800035	A	CONTINENTAL AIRLINES INC (NSR USE ONLY)	LOS ANGELES	2.8	ND	0.00	0.10	1995
5887	A	NEXGEN PHARMA INC	IRVINE	2.7	ND	0.00	0.00	1997
16642	A	ANHEUSER-BUSCH LLC., (LA BREWERY)	VAN NUYS	2.7	ND	0.00	0.10	1999
25440	A	INVENSYS CLIMATE CONTROLS	LONG BEACH	2.7	ND	0.00	1.00	1998

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
27701	O	CADDOCK ELECTRONIC	RIVERSIDE	2.7	ND	0.00	0.10	2002
46268	A	CALIFORNIA STEEL INDUSTRIES INC	FONTANA	2.7	0.02	0.20	0.00	1995
115315	A	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST	ETIWANDA	2.7	ND	0.00	0.20	2000
184301	A	SENTINEL PEAK RESOURCES CALIFORNIA, LLC	LOS ANGELES	2.7	ND	0.00	0.10	1997
800030	A	CHEVRON PRODUCTS CO.	EL SEGUNDO	2.7	0.28	0.30	0.10	2001
35483	A	WARNER BROTHERS STUDIO FACILITIES	BURBANK	2.6	ND	0.10	0.30	1997
37507	A	TROJAN BATTERY COMPANY, LLC	SANTA FE SPRINGS	2.6	0.00	1.10	1.30	2012
134943	A	ARCONIC GLOBAL FASTENERS & RINGS INC	TORRANCE	2.6	ND	0.60	0.00	2008
185059	A	CUSTOM FIBREGLASS MFG. CO DBA SNUGTOP	LONG BEACH	2.5	ND	0.00	0.00	1995
183926	A	EVONIK CORPORATION	LOS ANGELES	2.4	ND	0.10	0.80	1999
800278	A	SFPP, L.P. (NSR USE)	CARSON	2.4	ND	0.00	0.10	1999
79682	A	RAMCAR BATTERIES INC	COMMERCE	2.4	1.00	0.00	0.20	1998
133405	A	BODYCOTE THERMAL PROCESSING	LOS ANGELES	2.4	ND	0.00	0.20	1999
172878	A	TESORO LOGISTICS LONG BEACH TERMINAL	LONG BEACH	2.4	ND	0.00	0.00	1999
800039	O	DOUGLAS PRODUCTS DIVISION	TORRANCE	2.4	ND	0.00	0.00	1996
800202	A	UNIVERSAL CITY STUDIOS, LLC.	UNIVERSAL CITY	2.4	ND	0.00	0.00	1996
800387	A	CAL INST OF TECH	PASADENA	2.4	ND	0.10	0.00	2007
1208	A	MICROSEMI CORP	SANTA ANA	2.3	ND	0.00	0.00	2001
14140	O	SHILEY INC.	IRVINE	2.3	ND	0.00	0.00	1996
160437	A	SOUTHERN CALIFORNIA EDISON	REDLANDS	2.3	0.00	0.00	0.00	2013
800056	A	KINDER MORGAN LIQUIDS TERMINALS, LLC	WILMINGTON	2.3	0.01	0.00	0.00	1997
800111	O	THE BOEING COMPANY	DOWNEY	2.3	ND	0.00	0.10	1996
99773	A	CYTEC ENGINEERED MATERIALS INC	ANAHEIM	2.2	0.00	0.00	0.20	2000
103659	A	ASCENT MEDIA MANAGEMENT SERVICES INC	BURBANK	2.2	ND	0.60	0.00	2004
9668	A	DELUXE LABORATORIES	HOLLYWOOD	2.1	ND	0.00	0.00	2000
40829	A	HAWKER PACIFIC AEROSPACE	SUN VALLEY	2.1	0.00	0.00	0.10	2009
2605	A	3M DRUG DELIVERY SYSTEMS	NORTHridge	2.0	ND	0.40	0.40	1996

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
14502	A	CITY OF VERNON, VERNON GAS & ELECTRIC	VERNON	2.0	0.00	0.00	0.00	2007
182610	A	ELITE COMFORT SOLUTIONS	COMMERCE	2.0	ND	0.00	0.50	1998
142267	A	FS PRECISION TECH LLC	COMPTON	2.0	ND	0.10	0.20	2001
800181	A	CALIFORNIA PORTLAND CEMENT CO (c)	COLTON	2.0	ND	0.00	0.40	1996
800325	A	TIDELANDS OIL PRODUCTION CO	LONG BEACH	1.9	ND	0.10	0.60	1999
10245	A	LA CITY, TERMINAL ISLAND TREATMENT PLANT	SAN PEDRO	1.8	ND	0.00	0.00	2000
23559	A	JOHNSON CONTROLS BATTERY GROUP INC	FULLERTON	1.8	ND	0.00	0.10	2001
800003	A	HONEYWELL INTERNATIONAL INC	TORRANCE	1.8	ND	0.00	0.00	1999
8309	A	CAMBRO MANUFACTURING CO	HUNTINGTON BEACH	1.7	ND	0.00	0.10	2000
22467	A	LEFIELL MFG CO	SANTA FE SPRINGS	1.7	ND	0.70	0.20	2000
82512	A	BREA CANON OIL CO	WILMINGTON	1.7	ND	0.00	0.00	1996
185801	A	BERRY PETROLEUM COMPANY LLC	SANTA CLARITA	1.6	ND	0.20	0.70	1999
119920	A	PECHINEY CAST PLATE INC	VERNON	1.6	ND	0.30	0.30	1996
132954	A	ALL AMERICAN ASPHALT	SAN FERNANDO	1.6	0.00	0.40	0.30	2017
133660	A	HAYDEN INDUSTRIAL PRODUCTS	CORONA	1.6	ND	0.80	0.40	1998
2638	A	OCCIDENTAL COLLEGE	LOS ANGELES	1.5	ND	0.10	0.00	2007
25070	A	LA CNTY SANITATION DISTRICT-PUENTE HILLS (c)	CITY OF INDUSTRY	1.5	0.00	0.30	0.10	2009
107350	A	NATIONAL O-RINGS	DOWNEY	1.5	ND	0.00	0.00	2001
126536	A	CPP - POMONA	POMONA	1.5	ND	0.00	0.00	1999
3968	A	TABC, INC	LONG BEACH	1.4	ND	0.10	0.20	1999
82513	A	BREA CANON OIL COMPANY INC	HARBOR CITY	1.4	ND	0.00	0.00	1996
800408	A	NORTHROP GRUMMAN SYSTEMS	MANHATTAN BEACH	1.4	ND	0.90	0.10	1998
2526	A	CHEVRON USA INC	VAN NUYS	1.3	ND	0.00	0.00	1996
62679	O	KOP-COAT INC	LOS ANGELES	1.3	ND	0.00	0.50	1997
126544	A	PAC FOUNDRIES-INDUSTRY	CITY OF INDUSTRY	1.3	ND	0.60	0.10	1996
187348	A	HYDRO EXTRUDER, LLC	CITY OF INDUSTRY	1.3	ND	0.00	0.00	1999
800330	A	THUMS LONG BEACH	LONG BEACH	1.2	ND	0.00	0.00	2000

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
42633	A	LA COUNTY SANITATION DISTRICTS (SPADRA)	POMONA	1.2	ND	0.00	0.00	1996
185093	A	BEVERLY HILLS UNIFIED SCHOOL DISTRICT	BEVERLY HILLS	1.2	ND	0.00	0.00	2005
42514	A	LA COUNTY SANITATION DIST (CALABASAS)	AGOURA	1.1	0.00	0.10	0.00	2010
152054	A	LINN WESTERN OPERATING INC	BREA	1.1	ND	0.00	0.10	1996
20375	A	PRUDENTIAL OVERALL SUPPLY	RIVERSIDE	1.0	ND	0.00	0.10	1997
124806	O	EXIDE TECHNOLOGIES	CITY OF INDUSTRY	1.0	ND	0.00	0.00	1999
800127	A	SO CAL GAS CO	MONTEBELLO	1.0	0.00	0.00	0.00	2009
7730	A	CARPENTER CO	RIVERSIDE	1.0	ND	0.03	1.34	2003
800301	A	ITT GILFILLAN	VAN NUYS	0.9	ND	0.10	0.20	1998
22808	O	PRICE PFISTER INC	PACOIMA	0.9	ND	0.20	0.10	1996
47056	A	MYERS CONTAINER CORP, IMACC CORP DIV	HUNTINGTON PARK	0.9	ND	0.20	2.00	2002
11818	A	HIKSON METAL FINISHING	NEWPORT BEACH	0.8	ND	0.04	0.01	2015
14544	O	SANTA FE ENAMELING & METAL FINISHING CO	SANTA FE SPRINGS	0.8	ND	0.00	0.40	1999
18378	A	GRUBER SYS INC	VALENCIA	0.8	ND	0.10	0.10	2004
111415	O	VAN CAN COMPANY	FONTANA	0.8	ND	0.00	0.10	1996
186899	A	ENERY HOLDINGS LLC	CARSON	0.8	ND	0.20	0.00	2007
150201	A	BREITBURN OPERATING LP	SANTA FE SPRINGS	0.8	ND	0.00	0.00	1998
126964	A	EDWARDS LIFESCIENCES LLC	IRVINE	0.8	ND	0.00	0.00	1995
174340	A	PRC DE SOTO INTERNATIONAL, INC.	IRVINE	0.7	ND	0.00	0.00	1995
22373	A	SMURFIT-STONE CONTAINER ENTERPRISES, INC	LOS ANGELES	0.7	ND	0.00	0.00	1996
24060	A	AQUATIC COMPANY	ANAHEIM	0.7	ND	0.00	0.00	1996
182822	A	TORRANCE LOGISTICS COMPANY LLC	ANAHEIM	0.7	ND	0.00	0.00	1999
15647	A	CUSTOM ENAMELERS INC	FOUNTAIN VALLEY	0.6	ND	0.10	0.00	2000
24756	A	CRANE CO, HYDRO-AIRE DIV	BURBANK	0.6	ND	0.00	0.10	1997
115394	A	AES ALAMITOS, LLC	LONG BEACH	0.6	ND	0.00	0.00	1999
134931	A	ARCONIC GLOBAL FASTENERS & RINGS, INC.	FULLERTON	0.6	ND	1.90	0.02	1997
800327	A	GLENDALE CITY, GLENDALE WATER & POWER	GLENDALE	0.6	ND	0.00	0.00	1999

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
1634	A	STEELCASE INC, WESTERN DIV	TUSTIN	0.5	ND	0.00	0.00	1995
3093	A	LA CO., OLIVE VIEW/UCLA MEDICAL CENTER	SYLMAR	0.5	ND	0.00	0.00	1999
6281	A	US GOVT,MARINE CORPS AIR STATION,EL TORO	SANTA ANA	0.5	ND	0.00	0.00	1996
21895	A	AC PRODUCTS INC	PLACENTIA	0.5	ND	0.00	0.00	2003
61160	A	GE ENGINE SERVICES, LLC	ONTARIO	0.5	ND	0.70	0.01	2003
152501	A	PRECISION SPECIALTY METALS, INC.	LOS ANGELES	0.5	ND	0.40	0.20	2001
188380	A	VALENCE SURFACE TECHNOLOGIES - LYNWOOD	LYNWOOD	0.5	0.00	0.10	0.40	2012
12660	O	GOLDSHIELD FIBERGLASS, INC, PLANT #58	FONTANA	0.4	ND	0.00	0.00	1994
18990	A	LIFE PAINT CO	SANTA FE SPRINGS	0.4	ND	0.00	0.00	2001
43436	A	TST, INC.	FONTANA	0.4	0.11	0.00	0.40	1997
44577	A	LONG BEACH CITY, SERRF PROJECT	LONG BEACH	0.4	0.00	0.00	0.10	2011
115536	A	AES REDONDO BEACH, LLC	REDONDO BEACH	0.4	ND	0.00	0.00	1998
122295	A	FALCON FOAM, A DIV OF ATLAS ROOFING CORP	LOS ANGELES	0.4	ND	0.00	0.00	1999
550	A	LA CO., INTERNAL SERVICE DEPT	LOS ANGELES	0.3	ND	0.00	0.00	2008
19989	O	PARKER HANNIFIN AEROSPACE CORP	IRVINE	0.3	ND	0.00	0.00	1999
24520	A	LA CNTY SANITATION DISTRICT-PALOS VERDES	ROLLING HILLS ESTATES	0.3	ND	0.00	0.00	1998
25638	A	BURBANK CITY, BURBANK WATER & POWER	BURBANK	0.3	ND	0.30	0.00	1996
99119	A	INTERPLASTIC CORP	HAWTHORNE	0.3	ND	0.10	0.30	1999
107149	A	MARKLAND MANUFACTURING INC	SANTA ANA	0.3	ND	0.10	0.10	2007
92881	O	WAYMIRE DRUM COMPANY INC, SOUTH GATE FAC	SOUTH GATE	0.3	ND	0.00	0.00	1997
115663	A	EL SEGUNDO POWER, LLC	EL SEGUNDO	0.3	ND	0.00	0.00	2000
122300	A	BASF CORPORATION	COLTON	0.3	ND	0.60	0.00	2002
124805	A	EXIDE TECHNOLOGIES	COMMERCE	0.3	ND	0.00	0.00	2000
161142	A	FOAMEX INNOVATIONS, INC.	COMPTON	0.3	0.00	0.00	0.00	2010
4210	O	HUGHES AIRCRAFT CO, EDSG	EL SEGUNDO	0.3	ND	0.00	0.20	1996
16264	A	INTERNATIONAL COATINGS CO INC	CERRITOS	0.2	ND	0.00	0.00	1999
48300	A	PRECISION TUBE BENDING	SANTA FE SPRINGS	0.2	ND	0.00	0.00	2002

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
800074	A	LA CITY, DWP HAYNES GENERATING STATION	LONG BEACH	0.2	ND	0.00	0.00	2000
800168	A	PASADENA CITY, DWP	PASADENA	0.2	ND	0.70	0.00	1996
800193	A	LA CITY, DWP VALLEY GENERATING STATION	SUN VALLEY	0.2	ND	0.30	0.00	1999
1992	O	PRUDENTIAL OVERALL SUPPLY	VAN NUYS	0.1	ND	0.00	0.00	1997
7416	A	PRAXAIR INC	WILMINGTON	0.1	ND	0.00	0.00	2001
16044	A	SPECIALTY ORGANICS, INC.	IRWINDALE	0.1	ND	0.00	0.20	1997
24118	A	DEVOE COATINGS CO	RIVERSIDE	0.1	ND	0.30	0.10	1999
24812	A	FARMER BROS CO	TORRANCE	0.1	ND	0.00	0.00	1999
25012	A	AMADA AMERICA, INC.	LA MIRADA	0.1	ND	0.00	0.00	2002
37336	A	COMMERCE REFUSE TO ENERGY FACILITY	COMMERCE	0.1	0.00	0.00	0.00	2010
42676	A	CES PLACERITA INC	NEWHALL	0.1	ND	0.10	0.00	2003
94872	A	METAL CONTAINER CORP	MIRA LOMA	0.1	ND	0.40	0.40	2002
20528	A	BRISTOL FIBERLITE IND	SANTA ANA	0.1	ND	0.00	0.00	1995
180908	A	ECO SERVICES OPERATIONS CORP.	CARSON	0.1	ND	0.00	0.10	2006
115389	A	AES HUNTINGTON BEACH, LLC	HUNTINGTON BEACH	0.1	ND	0.00	0.00	1999
57304	A	HARBOR COGENERATION CO	WILMINGTON	0.1	ND	0.00	0.00	2002
6670	O	TRU CUT INC	LOS ANGELES	0.0	ND	0.00	0.00	2002
809	O	GARNER GLASS CO	CLAREMONT	0.0	ND	0.00	0.00	1996
1732	O	INTL ELECTRONIC RESEARCH CORP	BURBANK	0.0	ND	0.00	0.00	1996
1746	A	UNITED ALLOYS INC	LOS ANGELES	0.0	ND	0.00	0.00	1998
3084	A	CARDINAL INDUSTRIAL FINISHES INC	SOUTH EL MONTE	0.0	ND	0.00	0.00	1996
3100	A	BAXTER HEALTHCARE CORPORATION	IRVINE	0.0	ND	0.00	0.40	1994
3578	A	PRUDENTIAL OVERALL SUPPLY	CARSON	0.0	ND	0.00	0.00	1995
4616	O	SUPERIOR IND INTL INC	VAN NUYS	0.0	ND	0.00	0.40	1997
5125	A	UTILITY TRAILER MFG CO	CITY OF INDUSTRY	0.0	ND	0.00	0.30	1996
5645	O	STANDARD NICKEL CHROMIUM PLATING CO INC	LOS ANGELES	0.0	ND	0.00	0.00	1999
6163	A	OHLINE	GARDENA	0.0	ND	0.30	0.70	1996



**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
6315	A	LMC ENTERPRISES, DBA FLO-KEM	RANCHO DOMINGUEZ	0.0	ND	0.00	0.60	1999
6362	O	JACUZZI WHIRLPOOL BATH INC	SANTA ANA	0.0	ND	0.00	0.00	1995
7010	A	PRUDENTIAL OVERALL SUPPLY	IRVINE	0.0	ND	0.00	0.00	1995
8560	A	PRUDENTIAL OVERALL SUPPLY CO	COMMERCE	0.0	ND	0.20	0.40	1995
8935	A	TRAIL RITE INC	SANTA ANA	0.0	ND	0.00	0.30	1996
10656	A	NEWPORT LAMINATES	SANTA ANA	0.0	ND	0.00	0.00	1996
12493	O	REMO INC	NORTH HOLLYWOOD	0.0	ND	0.00	0.00	1997
12879	O	CYTEC ENGINEERED MATERIALS, INC	SAUGUS	0.0	ND	0.00	0.00	1994
14191	O	NIKLOR CHEMICAL COMPANY INC	CARSON	0.0	ND	0.00	0.00	2002
14217	A	MODERN FAUCET MFG COMPANY	LOS ANGELES	0.0	ND	0.00	0.50	1996
19953	A	RISTON KELLER INC	IRVINE	0.0	ND	0.00	0.00	1996
20144	A	CANON BUSINESS MACHINES INC	COSTA MESA	0.0	ND	0.00	0.10	1999
21544	A	US GOVT, MARINE CORPS AIR STA @BLD	TUSTIN	0.0	ND	0.00	0.00	2000
22092	A	WESTERN TUBE & CONDUIT CORP	LONG BEACH	0.0	ND	0.00	0.60	1997
22229	A	PROCESSES BY MARTIN INC (MARTIN METALS F	LYNWOOD	0.0	ND	0.00	0.00	2002
24647	A	J. B. I. INC	RANCHO DOMINGUEZ	0.0	ND	0.00	0.20	1999
40806	A	NEW BASIS	RIVERSIDE	0.0	ND	0.70	0.20	1997
45938	A	E.M.E. INC/ELECTRO MACHINE & ENGINEERING	COMPTON	0.0	ND	0.00	0.00	1999
47459	O	JACUZZI WHIRLPOOL BATH	IRVINE	0.0	ND	0.00	0.00	1995
2261	A	WHEELABRATOR NORWALK ENERGY CO INC	NORWALK	0.0	ND	0.00	0.00	1996
51849	A	ELIMINATOR CUSTOM BOATS	MIRA LOMA	0.0	ND	0.00	0.00	1995
55711	A	SUNLAW COGENERATION PARTNERS I	VERNON	0.0	ND	0.00	0.00	1996
55714	A	SUNLAW COGENERATION PARTNERS I	VERNON	0.0	ND	0.00	0.00	1996
61209	O	AKZO NOBEL CHEM INC, FILTROL CORP SUB OF	LOS ANGELES	0.0	ND	0.00	0.00	1996
61743	A	AMERON STEEL FABRICATION DIVISION	FONTANA	0.0	ND	0.20	0.20	2000
70021	A	XERXES CORP ( A DELAWARE CORP)	ANAHEIM	0.0	ND	0.00	0.00	1996
115586	A	SUNDANCE SPAS, INC	CHINO	0.0	ND	0.00	0.40	1996

**Table C-1 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**

(Listed in descending order by cancer risk)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
117785	A	BALL METAL BEVERAGE CONTAINER CORP.	TORRANCE	0.0	ND	0.20	0.90	2001
119127	O	PRC-DE SOTO INTERNATIONAL	GLENDALE	0.0	ND	0.00	0.00	2000
124016	O	CHEMETALL U.S., INC.	LA MIRADA	0.0	ND	0.10	0.10	2000
124838	A	EXIDE TECHNOLOGIES	VERNON	0.0	ND	0.00	0.00	2013
132343	A	SPECTRUM PAINT & POWDER, INC.	ANAHEIM	0.0	ND	0.20	0.70	1997
175126	A	AEROJET ROCKETDYNE OF DE, INC.	CANOGA PARK	0.0	ND	0.00	0.00	1996
149241	A	REGAL CULTURED MARBLE	POMONA	0.0	ND	0.00	0.20	1995
185282	A	BKEP MATERIALS LLC - FONTANA	FONTANA	0.0	ND	0.30	0.00	1999
160916	A	FXI, INC.	ORANGE	0.0	ND	0.40	0.40	1994
800075	A	LA CITY, DWP SCATTERGOOD GENERATING STN	PLAYA DEL REY	0.0	ND	0.00	0.00	2000
800087	A	MENASCO MFG CO (EIS USE)	BURBANK	0.0	ND	0.00	0.00	1997
800273	O	CHEMOIL REF CORP (NSR USE ONLY)	SIGNAL HILL	0.0	ND	0.00	0.00	2000
800320	A	AMVAC CHEMICAL CORP	LOS ANGELES	0.0	ND	0.10	0.30	2004
800337	A	CHEVRON U.S.A., INC (NSR USE)	LA HABRA	0.0	ND	0.00	0.00	1996

**Notes:**

- (a) “A” – Active (note that facilities with this status may not be in operation currently); O = Out of Business or Inactive
- (b) The specific risk driver listed in this HRA is no longer in use & the resulting risk has been eliminated or minimized.
- (c) South Coast AQMD staff has requested these facilities to update their HRAs.
- (d) All HRAs with HRA Approval Year dated 2015 and later have used the 2015 OEHHA Risk Assessment Guidelines for preparation of their HRA.
- (e) ND = Not Determined

**Table C-2**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
550	A	LA CO., INTERNAL SERVICE DEPT	LOS ANGELES	0.3	ND	0.00	0.00	2008
809	O	GARNER GLASS CO	CLAREMONT	0.0	ND	0.00	0.00	1996
1073	A	BORAL ROOFING LLC	CORONA	6.4	0.00	0.51	2.72	2018
1208	A	MICROSEMI CORP	SANTA ANA	2.3	ND	0.00	0.00	2001
1226	A	HYATT DIE CAST & ENGINEERING CORP	CYPRESS	6.2	ND	0.00	0.10	1996
1634	A	STEELCASE INC, WESTERN DIV	TUSTIN	0.5	ND	0.00	0.00	1995
1732	O	INTL ELECTRONIC RESEARCH CORP	BURBANK	0.0	ND	0.00	0.00	1996
1746	A	UNITED ALLOYS INC	LOS ANGELES	0.0	ND	0.00	0.00	1998
1836	A	UNION OIL CO OF CALIFORNIA	BREA	5.0	ND	0.00	0.00	2001
1992	O	PRUDENTIAL OVERALL SUPPLY	VAN NUYS	0.1	ND	0.00	0.00	1997
2261	A	WHEELABRATOR NORWALK ENERGY CO INC	NORWALK	0.0	ND	0.00	0.00	1996
2526	A	CHEVRON USA INC	VAN NUYS	1.3	ND	0.00	0.00	1996
2605	A	3M DRUG DELIVERY SYSTEMS	NORTHRIDGE	2.0	ND	0.40	0.40	1996
2613	A	U.S.GVT,NAVY,NAVAL WEAPONS STN SEAL BCH	SEAL BEACH	2.9	ND	0.10	0.00	2002
2638	A	OCCIDENTAL COLLEGE	LOS ANGELES	1.5	ND	0.10	0.00	2007
2680	A	LA CO., SANITATION DISTRICT	WHITTIER	8.6	ND	0.00	0.00	1999
2852	A	THE WALT DISNEY COMPANY	BURBANK	6.4	0.03	0.00	0.00	1997
3084	A	CARDINAL INDUSTRIAL FINISHES INC	SOUTH EL MONTE	0.0	ND	0.00	0.00	1996
3093	A	LA CO., OLIVE VIEW/UCLA MEDICAL CENTER	SYLMAR	0.5	ND	0.00	0.00	1999
3100	A	BAXTER HEALTHCARE CORPORATION	IRVINE	0.0	ND	0.00	0.40	1994
3420	A	HONEYWELL INTERNATIONAL INC	EL SEGUNDO	3.6	ND	0.00	0.50	2000
3578	A	PRUDENTIAL OVERALL SUPPLY	CARSON	0.0	ND	0.00	0.00	1995
3609	A	AL'S PLATING CO INC	LOS ANGELES	7.8	ND	0.30	0.20	1999
3950	A	CROWN CORK & SEAL CO INC	LA MIRADA	4.6	ND	0.00	0.10	1997
3968	A	TABC, INC	LONG BEACH	1.4	ND	0.10	0.20	1999

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
4210	O	HUGHES AIRCRAFT CO, EDSG	EL SEGUNDO	0.3	ND	0.00	0.20	1996
4477	A	SO CAL EDISON CO	AVALON	6.3	0.02	0.00	0.00	2012
4616	O	SUPERIOR IND INTL INC	VAN NUYS	0.0	ND	0.00	0.40	1997
5125	A	UTILITY TRAILER MFG CO	CITY OF INDUSTRY	0.0	ND	0.00	0.30	1996
5645	O	STANDARD NICKEL CHROMIUM PLATING CO INC	LOS ANGELES	0.0	ND	0.00	0.00	1999
5723	A	DUCOMMUN AEROSTRUCTURES INC	ORANGE	6.7	ND	0.00	0.10	1999
5887	A	NEXGEN PHARMA INC	IRVINE	2.7	ND	0.00	0.00	1997
6163	A	OHLINE	GARDENA	0.0	ND	0.30	0.70	1996
6281	A	US GOVT,MARINE CORPS AIR STATION,EL TORO	SANTA ANA	0.5	ND	0.00	0.00	1996
6315	A	LMC ENTERPRISES, DBA FLO-KEM	RANCHO DOMINGUEZ	0.0	ND	0.00	0.60	1999
6362	O	JACUZZI WHIRLPOOL BATH INC	SANTA ANA	0.0	ND	0.00	0.00	1995
6384	A	LA CO., RANCHO LOS AMIGOS NAT. REHAB CTR	DOWNEY	3.1	ND	0.00	0.10	1999
6459	O	HONEYWELL INTERNATIONAL INC	VERNON	4.1	ND	0.00	0.00	1999
6643	A	TECHNICOLOR INC	NORTH HOLLYWOOD	6.5	ND	0.00	0.10	2007
6670	O	TRU CUT INC	LOS ANGELES	0.0	ND	0.00	0.00	2002
7010	A	PRUDENTIAL OVERALL SUPPLY	IRVINE	0.0	ND	0.00	0.00	1995
7203	A	HESSCO IND INC	LA HABRA	8.6	ND	0.00	0.00	1995
7416	A	PRAXAIR INC	WILMINGTON	0.1	ND	0.00	0.00	2001
7427	A	OWENS-BROCKWAY GLASS CONTAINER INC	VERNON	3.6	ND	0.01	0.06	1999
7533	A	SIMS HUGO NEU WEST	TERMINAL ISLAND	4.1	ND	1.30	0.10	2003
7730	A	CARPENTER CO	RIVERSIDE	1.0	ND	0.03	1.34	2003
8015	A	ANADITE INC	SOUTH GATE	3.5	ND	0.63	0.78	1998
8309	A	CAMBRO MANUFACTURING CO	HUNTINGTON BEACH	1.7	ND	0.00	0.10	2000
8547	A	QUEMETCO INC (c)	CITY OF INDUSTRY	7.1	0.45	0.09	0.69	2016
8560	A	PRUDENTIAL OVERALL SUPPLY CO	COMMERCE	0.0	ND	0.20	0.40	1995
8578	A	ASSOCIATED CONCRETE PROD. INC	SANTA ANA	5.8	ND	0.10	0.60	1999
8820	A	REULAND ELECTRIC CO, H.BRITTON LEES	CITY OF INDUSTRY	3.7	ND	0.00	0.00	1996

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
8935	A	TRAIL RITE INC	SANTA ANA	0.0	ND	0.00	0.30	1996
9114	O	SOMITEX PRINTS OF CAL INC	CITY OF INDUSTRY	3.7	ND	0.10	0.00	1996
9163	A	INLAND EMPIRE UTL AGEN, A MUN WATER DIS	ONTARIO	3.4	ND	0.30	0.00	2007
9668	A	DELUXE LABORATORIES	HOLLYWOOD	2.1	ND	0.00	0.00	2000
9793	O	MODERN PLATING CO	LOS ANGELES	8.2	ND	0.10	0.00	1995
10005	A	ELECTRONIC CHROME GRINDING CO, INC	SANTA FE SPRINGS	3.0	0.01	0.20	0.10	2001
10245	A	LA CITY, TERMINAL ISLAND TREATMENT PLANT	SAN PEDRO	1.8	ND	0.00	0.00	2000
10510	A	GREGG INDUSTRIES INC	EL MONTE	9.4	ND	0.60	0.60	2008
10656	A	NEWPORT LAMINATES	SANTA ANA	0.0	ND	0.00	0.00	1996
11142	A	KEYSOR-CENTURY CORP	SAUGUS	17.0	ND	0.50	0.10	2000
11192	A	HI-SHEAR CORPORATION	TORRANCE	4.8	ND	0.00	0.00	2008
11197	O	TRIGEN-LA ENERGY CORP	HUNTINGTON BEACH	7.0	ND	0.00	0.00	1995
11435	A	PQ CORPORATION	SOUTH GATE	3.0	ND	0.00	0.00	1998
11726	A	GE ENGINE SERVICES	ONTARIO	6.5	ND	0.10	0.60	1999
11818	A	HIKSON METAL FINISHING	NEWPORT BEACH	0.8	ND	0.04	0.01	2015
12493	O	REMO INC	NORTH HOLLYWOOD	0.0	ND	0.00	0.00	1997
12660	O	GOLDSHIELD FIBERGLASS, INC, PLANT #58	FONTANA	0.4	ND	0.00	0.00	1994
12879	O	CYTEC ENGINEERED MATERIALS, INC	SAUGUS	0.0	ND	0.00	0.00	1994
13920	A	SAINT JOSEPH HOSPITAL	ORANGE	7.7	0.00	0.80	0.30	2008
14140	O	SHILEY INC.	IRVINE	2.3	ND	0.00	0.00	1996
14146	A	MAC GREGOR YACHT CORP	COSTA MESA	5.5	ND	0.00	0.10	1998
14191	O	NIKOR CHEMICAL COMPANY INC	CARSON	0.0	ND	0.00	0.00	2002
14217	A	MODERN FAUCET MFG COMPANY	LOS ANGELES	0.0	ND	0.00	0.50	1996
14495	A	VISTA METALS CORPORATION	FONTANA	19.8	0.06	0.00	0.30	2008
14502	A	CITY OF VERNON, VERNON GAS & ELECTRIC	VERNON	2.0	0.00	0.00	0.00	2007
14544	O	SANTA FE ENAMELING & METAL FINISHING CO	SANTA FE SPRINGS	0.8	ND	0.00	0.40	1999
15504	A	SCHLOSSER FORGE COMPANY	RANCHO CUCAMONGA	9.5	0.07	1.59	1.11	2002

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
15549	O	A J INDUSTRIES INC, SARGENT-FLETCHER CO	EL MONTE	4.9	ND	0.20	0.00	1999
15647	A	CUSTOM ENAMELERS INC	FOUNTAIN VALLEY	0.6	ND	0.10	0.00	2000
15736	A	HENRY CO	HUNTINGTON PARK	8.5	ND	0.00	0.00	2000
16044	A	SPECIALTY ORGANICS, INC.	IRWINDALE	0.1	ND	0.00	0.20	1997
16264	A	INTERNATIONAL COATINGS CO INC	CERRITOS	0.2	ND	0.00	0.00	1999
16642	A	ANHEUSER-BUSCH LLC., (LA BREWERY)	VAN NUYS	2.7	ND	0.00	0.10	1999
16660	A	THE BOEING COMPANY	HUNTINGTON BEACH	6.4	0.02	0.01	0.08	2015
16951	A	ANAPLEX CORP	PARAMOUNT	2836.0	9.73	23.84	2.02	2018
17325	A	ACE CLEARWATER ENTERPRISES	PARAMOUNT	3.7	ND	0.00	0.00	2002
18294	A	NORTHROP GRUMMAN SYSTEMS CORP	EL SEGUNDO	7.6	ND	0.13	0.05	1999
18378	A	GRUBER SYS INC	VALENCIA	0.8	ND	0.10	0.10	2004
18396	A	SPRAYLAT CORP	LOS ANGELES	3.2	0.00	0.70	0.00	2012
18439	O	ACE PLATING CO INC	LOS ANGELES	4.1	ND	0.60	0.20	1998
18452	A	UNIVERSITY OF CALIFORNIA, LOS ANGELES (c)	LOS ANGELES	2.9	ND	0.00	0.10	1999
18648	O	CROWN CITY PLATING CO.	EL MONTE	12.0	ND	0.40	0.10	2000
18931	A	TAMCO	RANCHO CUCAMONGA	8.7	0.25	0.49	0.61	2015
18989	A	BOWMAN PLATING CO INC	COMPTON	17.0	0.00	0.01	0.01	2015
18990	A	LIFE PAINT CO	SANTA FE SPRINGS	0.4	ND	0.00	0.00	2001
19953	A	RISTON KELLER INC	IRVINE	0.0	ND	0.00	0.00	1996
19989	O	PARKER HANNIFIN AEROSPACE CORP	IRVINE	0.3	ND	0.00	0.00	1999
20144	A	CANON BUSINESS MACHINES INC	COSTA MESA	0.0	ND	0.00	0.10	1999
20197	A	LAC/USC MEDICAL CENTER	LOS ANGELES	7.5	ND	0.70	0.40	2007
20280	A	METAL SURFACES INC	BELL GARDENS	6.8	0.00	0.90	0.30	2011
20375	A	PRUDENTIAL OVERALL SUPPLY	RIVERSIDE	1.0	ND	0.00	0.10	1997
20528	A	BRISTOL FIBERLITE IND	SANTA ANA	0.1	ND	0.00	0.00	1995
21544	A	US GOVT, MARINE CORPS AIR STA @BLD	TUSTIN	0.0	ND	0.00	0.00	2000
21615	O	PERKINELMER OPTOELECTRONICS SC, INC	AZUSA	8.1	ND	0.20	0.10	1998

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
21895	A	AC PRODUCTS INC	PLACENTIA	0.5	ND	0.00	0.00	2003
22092	A	WESTERN TUBE & CONDUIT CORP	LONG BEACH	0.0	ND	0.00	0.60	1997
22128	O	AEROJET ORDNANCE CO	DOWNEY	9.8	ND	0.00	0.10	2000
22229	A	PROCESSES BY MARTIN INC (MARTIN METALS F	LYNWOOD	0.0	ND	0.00	0.00	2002
22373	A	SMURFIT-STONE CONTAINER ENTERPRISES, INC	LOS ANGELES	0.7	ND	0.00	0.00	1996
22410	A	PALACE PLATING	LOS ANGELES	5.6	ND	0.73	0.38	2004
22467	A	LEFIELL MFG CO	SANTA FE SPRINGS	1.7	ND	0.70	0.20	2000
22808	O	PRICE PFISTER INC	PACOIMA	0.9	ND	0.20	0.10	1996
22911	A	CARLTON FORGE WORKS	PARAMOUNT	15.4	ND	1.76	1.04	2016
23559	A	JOHNSON CONTROLS BATTERY GROUP INC	FULLERTON	1.8	ND	0.00	0.10	2001
23752	A	AEROCRAFT HEAT TREATING CO INC	PARAMOUNT	1900.0	11.00	2.90	0.15	2018
23907	A	JOHNS MANVILLE CORP	CORONA	13.0	ND	0.40	2.70	1999
24060	A	AQUATIC COMPANY	ANAHEIM	0.7	ND	0.00	0.00	1996
24118	A	DEVOE COATINGS CO	RIVERSIDE	0.1	ND	0.30	0.10	1999
24520	A	LA CNTY SANITATION DISTRICT-PALOS VERDES	ROLLING HILLS ESTATES	0.3	ND	0.00	0.00	1998
24647	A	J. B. I. INC	RANCHO DOMINGUEZ	0.0	ND	0.00	0.20	1999
24756	A	CRANE CO, HYDRO-AIRE DIV	BURBANK	0.6	ND	0.00	0.10	1997
24812	A	FARMER BROS CO	TORRANCE	0.1	ND	0.00	0.00	1999
25012	A	AMADA AMERICA, INC.	LA MIRADA	0.1	ND	0.00	0.00	2002
25070	A	LA CNTY SANITATION DISTRICT-PUENTE HILLS (c)	CITY OF INDUSTRY	1.5	0.00	0.30	0.10	2009
25440	A	INVENSYS CLIMATE CONTROLS	LONG BEACH	2.7	ND	0.00	1.00	1998
25638	A	BURBANK CITY, BURBANK WATER & POWER	BURBANK	0.3	ND	0.30	0.00	1996
27343	O	CON AGRA INC, GILROY FOODS DBA	SANTA ANA	7.1	ND	0.20	0.10	1995
27701	O	CADDOCK ELECTRONIC	RIVERSIDE	2.7	ND	0.00	0.10	2002
34764	A	CADDOCK ELECTRONICS INC	RIVERSIDE	6.5	ND	0.00	0.10	2002
35302	A	OWENS CORNING ROOFING AND ASPHALT, LLC (c)	COMPTON	14.0	0.02	0.10	0.10	2000
35483	A	WARNER BROTHERS STUDIO FACILITIES	BURBANK	2.6	ND	0.10	0.30	1997

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
37336	A	COMMERCE REFUSE TO ENERGY FACILITY	COMMERCE	0.1	0.00	0.00	0.00	2010
37507	A	TROJAN BATTERY COMPANY, LLC	SANTA FE SPRINGS	2.6	0.00	1.10	1.30	2012
37603	A	SGL TECHNIC INC, POLYCARBON DIVISION	VALENCIA	7.8	ND	0.00	0.40	1998
38971	A	RICOH ELECTRONICS INC	IRVINE	5.6	ND	0.00	0.40	1995
40806	A	NEW BASIS	RIVERSIDE	0.0	ND	0.70	0.20	1997
40829	A	HAWKER PACIFIC AEROSPACE	SUN VALLEY	2.1	0.00	0.00	0.10	2009
41229	A	LUBECO INC	LONG BEACH	14.0	ND	0.00	0.10	2002
42514	A	LA COUNTY SANITATION DIST (CALABASAS)	AGOURA	1.1	0.00	0.10	0.00	2010
42633	A	LA COUNTY SANITATION DISTRICTS (SPADRA)	POMONA	1.2	ND	0.00	0.00	1996
42676	A	CES PLACERITA INC	NEWHALL	0.1	ND	0.10	0.00	2003
42922	A	CMC PRINTED BAG INC	WHITTIER	9.0	ND	0.00	0.00	1995
43436	A	TST, INC.	FONTANA	0.4	0.11	0.00	0.40	1997
44454	A	STRUCTURAL COMPOSITES IND	POMONA	8.6	0.00	0.00	0.20	2002
44577	A	LONG BEACH CITY, SERRF PROJECT	LONG BEACH	0.4	0.00	0.00	0.10	2011
45262	A	LA COUNTY SANITATION DIST SCHOLL CANYON	GLENDALE	6.2	ND	0.00	0.10	1998
45489	A	ABBOTT CARDIOVASCULAR SYSTEMS, INC.	TEMECULA	3.8	0.01	1.30	0.00	2002
45938	A	E.M.E. INC/ELECTRO MACHINE & ENGINEERING	COMPTON	0.0	ND	0.00	0.00	1999
46268	A	CALIFORNIA STEEL INDUSTRIES INC	FONTANA	2.7	0.02	0.20	0.00	1995
47056	A	MYERS CONTAINER CORP, IMACC CORP DIV	HUNTINGTON PARK	0.9	ND	0.20	2.00	2002
47459	O	JACUZZI WHIRLPOOL BATH	IRVINE	0.0	ND	0.00	0.00	1995
48274	A	FENDER MUSICAL INST	CORONA	2.8	ND	0.00	0.40	1997
48300	A	PRECISION TUBE BENDING	SANTA FE SPRINGS	0.2	ND	0.00	0.00	2002
49387	A	UNIV CAL., RIVERSIDE	RIVERSIDE	7.1	ND	0.00	0.00	2018
51849	A	ELIMINATOR CUSTOM BOATS	MIRA LOMA	0.0	ND	0.00	0.00	1995
52517	A	REXAM BEVERAGE CAN COMPANY	CHATSWORTH	2.9	0.01	0.70	0.10	2009
54424	A	L&L CUSTOM SHUTTERS INC, ALLWOOD SHUTTERS	PLACENTIA	5.5	ND	0.20	0.20	2001
55711	A	SUNLAW COGENERATION PARTNERS I	VERNON	0.0	ND	0.00	0.00	1996



**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
55714	A	SUNLAW COGENERATION PARTNERS I	VERNON	0.0	ND	0.00	0.00	1996
57304	A	HARBOR COGENERATION CO	WILMINGTON	0.1	ND	0.00	0.00	2002
57329	O	KWIKSET CORP	ANAHEIM	3.4	ND	0.00	0.10	2000
61160	A	GE ENGINE SERVICES, LLC	ONTARIO	0.5	ND	0.70	0.01	2003
61209	O	AKZO NOBEL CHEM INC, FILTROL CORP SUB OF	LOS ANGELES	0.0	ND	0.00	0.00	1996
61743	A	AMERON STEEL FABRICATION DIVISION	FONTANA	0.0	ND	0.20	0.20	2000
62679	O	KOP-COAT INC	LOS ANGELES	1.3	ND	0.00	0.50	1997
62897	A	NORTHROP GRUMMAN CORP, MASD	PICO RIVERA	9.4	ND	1.00	0.50	2000
70021	A	XERXES CORP ( A DELAWARE CORP)	ANAHEIM	0.0	ND	0.00	0.00	1996
79682	A	RAMCAR BATTERIES INC	COMMERCE	2.4	1.00	0.00	0.20	1998
82512	A	BREA CANON OIL CO	WILMINGTON	1.7	ND	0.00	0.00	1996
82513	A	BREA CANON OIL COMPANY INC	HARBOR CITY	1.4	ND	0.00	0.00	1996
83102	A	LIGHT METALS INC	CITY OF INDUSTRY	4.5	0.01	0.00	2.70	2002
87908	O	STRUCTURAL POLYMER SYSTEMS, INC	CULVER CITY	6.6	ND	0.00	0.20	1997
92881	O	WAYMIRE DRUM COMPANY INC, SOUTH GATE FAC	SOUTH GATE	0.3	ND	0.00	0.00	1997
93346	A	WAYMIRE DRUM CO,INC.,S EL MONTE FACILITY	SOUTH EL MONTE	4.3	ND	0.10	0.20	1997
94872	A	METAL CONTAINER CORP	MIRA LOMA	0.1	ND	0.40	0.40	2002
99119	A	INTERPLASTIC CORP	HAWTHORNE	0.3	ND	0.10	0.30	1999
99773	A	CYTEC ENGINEERED MATERIALS INC	ANAHEIM	2.2	0.00	0.00	0.20	2000
101977	A	SIGNAL HILL PETROLEUM INC	SIGNAL HILL	4.7	ND	0.60	1.00	1998
103659	A	ASCENT MEDIA MANAGEMENT SERVICES INC	BURBANK	2.2	ND	0.60	0.00	2004
105598	A	SENIOR AEROSPACE SSP	BURBANK	3.6	ND	1.00	0.50	2001
106797	A	SAINT-GOBAIN CONTAINERS, INC.	LOS ANGELES	9.9	ND	0.00	0.10	2000
106838	A	VALLEY-TODECO, INC	SYLMAR	3.7	ND	0.20	0.20	2000
107149	A	MARKLAND MANUFACTURING INC	SANTA ANA	0.3	ND	0.10	0.10	2007
107350	A	NATIONAL O-RINGS	DOWNEY	1.5	ND	0.00	0.00	2001
108701	A	SAINT-GOBAIN CONTAINERS, INC.	EL MONTE	7.3	ND	0.10	0.10	2000

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
110924	A	WESTWAY TERMINAL COMPANY, LLC	SAN PEDRO	8.0	ND	0.30	0.50	1997
111415	O	VAN CAN COMPANY	FONTANA	0.8	ND	0.00	0.10	1996
113170	A	SANTA MONICA - UCLA MEDICAL CENTER (b)	SANTA MONICA	7.6	0.14	0.20	0.00	1997
113676	A	VICKERS	LOS ANGELES	3.0	ND	0.00	0.00	1995
115315	A	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST	ETIWANDA	2.7	ND	0.00	0.20	2000
115389	A	AES HUNTINGTON BEACH, LLC	HUNTINGTON BEACH	0.1	ND	0.00	0.00	1999
115394	A	AES ALAMITOS, LLC	LONG BEACH	0.6	ND	0.00	0.00	1999
115536	A	AES REDONDO BEACH, LLC	REDONDO BEACH	0.4	ND	0.00	0.00	1998
115586	A	SUNDANCE SPAS, INC	CHINO	0.0	ND	0.00	0.40	1996
115663	A	EL SEGUNDO POWER, LLC	EL SEGUNDO	0.3	ND	0.00	0.00	2000
116868	A	EQUILON ENTER. LLC, SHELL OIL PROD. U S	BLOOMINGTON	2.9	ND	0.00	0.00	1999
117560	A	EQUILON ENTER, LLC-SHELL OIL PROD. US	WILMINGTON	7.3	ND	0.00	0.10	1998
117785	A	BALL METAL BEVERAGE CONTAINER CORP.	TORRANCE	0.0	ND	0.20	0.90	2001
119127	O	PRC-DE SOTO INTERNATIONAL	GLENDALE	0.0	ND	0.00	0.00	2000
119920	A	PECHINEY CAST PLATE INC	VERNON	1.6	ND	0.30	0.30	1996
122295	A	FALCON FOAM, A DIV OF ATLAS ROOFING CORP	LOS ANGELES	0.4	ND	0.00	0.00	1999
122300	A	BASF CORPORATION	COLTON	0.3	ND	0.60	0.00	2002
122822	O	CONSOLIDATED FILM INDUSTRIES, LLC	HOLLYWOOD	21.0	ND	0.10	0.40	2000
124016	O	CHEMETALL U.S., INC,	LA MIRADA	0.0	ND	0.10	0.10	2000
124506	A	THE BOEING COMPANY	TORRANCE	4.2	ND	0.50	0.10	1995
124805	A	EXIDE TECHNOLOGIES	COMMERCE	0.3	ND	0.00	0.00	2000
124806	O	EXIDE TECHNOLOGIES	CITY OF INDUSTRY	1.0	ND	0.00	0.00	1999
124838	A	EXIDE TECHNOLOGIES	VERNON	0.0	ND	0.00	0.00	2013
126060	A	STERIGENICS US, LLC	ONTARIO	3.8	0.00	0.00	0.00	2007
126191	A	STERIGENICS US, INC.	LOS ANGELES	3.3	ND	0.00	0.00	1996
126197	A	STERIGENICS US, INC.	LOS ANGELES	3.6	ND	0.00	0.00	1996
126536	A	CPP - POMONA	POMONA	1.5	ND	0.00	0.00	1999

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
126544	A	PAC FOUNDRIES-INDUSTRY	CITY OF INDUSTRY	1.3	ND	0.60	0.10	1996
126964	A	EDWARDS LIFESCIENCES LLC	IRVINE	0.8	ND	0.00	0.00	1995
127568	A	ENGINEERED POLYMER SOLUTION, VALSPAR	MONTEBELLO	3.5	ND	0.10	0.50	2000
132343	A	SPECTRUM PAINT & POWDER, INC.	ANAHEIM	0.0	ND	0.20	0.70	1997
132954	A	ALL AMERICAN ASPHALT	SAN FERNANDO	1.6	0.00	0.40	0.30	2017
133405	A	BODYCOTE THERMAL PROCESSING	LOS ANGELES	2.4	ND	0.00	0.20	1999
133660	A	HAYDEN INDUSTRIAL PRODUCTS	CORONA	1.6	ND	0.80	0.40	1998
134018	A	INDUSTRIAL CONTAINER SERVICES-CA LLC	MONTEBELLO	5.2	ND	0.60	0.20	2000
134931	A	ARCONIC GLOBAL FASTENERS & RINGS, INC.	FULLERTON	0.6	ND	1.90	0.02	1997
134943	A	ARCONIC GLOBAL FASTENERS & RINGS INC	TORRANCE	2.6	ND	0.60	0.00	2008
136148	A	E/M COATING SERVICES	NORTH HOLLYWOOD	5.8	ND	0.30	0.60	1998
140811	A	DUCOMMUN AEROSTRUCTURES INC	MONROVIA	3.5	0.01	0.00	0.00	2002
140961	A	GKN AEROSPACE TRANSPARENCY SYS INC	GARDEN GROVE	6.0	ND	0.00	0.50	1996
142267	A	FS PRECISION TECH LLC	COMPTON	2.0	ND	0.10	0.20	2001
146570	A	ROHM AND HAAS CHEMICALS LLC	LA MIRADA	6.2	ND	0.50	0.80	1999
148925	A	CHERRY AEROSPACE	SANTA ANA	9.7	ND	0.10	0.20	1999
149241	A	REGAL CULTURED MARBLE	POMONA	0.0	ND	0.00	0.20	1995
150201	A	BREITBURN OPERATING LP	SANTA FE SPRINGS	0.8	ND	0.00	0.00	1998
151798	A	TESORO REFINING AND MARKETING CO, LLC	CARSON	2.8	ND	0.10	0.00	1999
151899	A	CALIFORNIA RESOURCES PRODUCTION CORP	NEWHALL	3.5	ND	0.00	0.20	2000
152054	A	LINN WESTERN OPERATING INC	BREA	1.1	ND	0.00	0.10	1996
152501	A	PRECISION SPECIALTY METALS, INC.	LOS ANGELES	0.5	ND	0.40	0.20	2001
153546	A	HUCK INTERNATIONAL INC	CARSON	3.3	ND	0.00	0.00	1999
155828	A	GARRETT AVN. SVCS. LLC DBA STANDARD AERO	LOS ANGELES	9.3	ND	0.19	0.25	2002
157451	A	BENDER CCP INC	VERNON	4.4	0.00	1.00	0.00	2002
160437	A	SOUTHERN CALIFORNIA EDISON	REDLANDS	2.3	0.00	0.00	0.00	2013
160916	A	FXI, INC.	ORANGE	0.0	ND	0.40	0.40	1994

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
161142	A	FOAMEX INNOVATIONS, INC.	COMPTON	0.3	0.00	0.00	0.00	2010
164864	A	ARROWHEAD BRASS & PLUMBING	LOS ANGELES	5.7	ND	0.30	0.00	1995
165192	A	TRIUMPH AEROSTRUCTURES, LLC (b)	HAWTHORNE	19.7	ND	0.64	0.24	1999
167981	A	TESORO LOGISTICS, WILMINGTON TERMINAL	WILMINGTON	2.8	ND	0.00	0.00	2000
168088	A	POLYNT COMPOSITES USA INC	LYNWOOD	6.5	ND	0.10	1.60	1995
169990	A	SPS TECHNOLOGIES, LLC	GARDENA	8.9	ND	0.10	0.10	1999
171107	A	PHILLIPS 66 CO/LA REFINERY WILMINGTON PL	WILMINGTON	23.2	0.29	0.10	0.70	2013
171109	A	PHILLIPS 66 COMPANY/LOS ANGELES REFINERY	CARSON	6.6	0.11	0.00	0.30	2011
172878	A	TESORO LOGISTICS LONG BEACH TERMINAL	LONG BEACH	2.4	ND	0.00	0.00	1999
174340	A	PRC DE SOTO INTERNATIONAL, INC.	IRVINE	0.7	ND	0.00	0.00	1995
174591	A	TESORO REF & MKTG CO LLC,CALCINER (c)	WILMINGTON	4.3	ND	0.10	0.20	1995
174655	A	TESORO REFINING & MARKETING CO, LLC	CARSON	7.3	ND	0.30	0.10	2000
174703	A	TESORO LOGISTICS,CARSON PROD TERMINAL	CARSON	3.0	ND	0.00	0.00	1994
174710	A	TESORO LOGISTICS, VINVALE TERMINAL	SOUTH GATE	9.0	ND	0.00	0.00	1994
175124	A	AEROJET ROCKETDYNE OF DE, INC.	CANOGA PARK	8.7	ND	0.00	0.00	1995
175126	A	AEROJET ROCKETDYNE OF DE, INC.	CANOGA PARK	0.0	ND	0.00	0.00	1996
177042	A	SOLVAY USA, INC	LONG BEACH	4.3	ND	0.30	0.00	2001
180631	A	STCDARA, LLC	LA PUENTE	13.8	0.02	0.01	0.74	2001
180908	A	ECO SERVICES OPERATIONS CORP.	CARSON	0.1	ND	0.00	0.10	2006
181426	A	OC WASTE & RECYCLING, COYOTE	NEWPORT COAST	20.1	0.18	0.60	0.30	2009
181667	A	TORRANCE REFINING COMPANY LLC	TORRANCE	7.7	0.15	0.20	0.50	2013
182610	A	ELITE COMFORT SOLUTIONS	COMMERCE	2.0	ND	0.00	0.50	1998
182752	A	TORRANCE LOGISTICS COMPANY LLC	VERNON	5.3	ND	0.10	0.00	1997
182822	A	TORRANCE LOGISTICS COMPANY LLC	ANAHEIM	0.7	ND	0.00	0.00	1999
183567	A	GS II, INC. (c)	WILMINGTON	6.3	0.04	1.82	0.19	2018
183926	A	EVONIK CORPORATION	LOS ANGELES	2.4	ND	0.10	0.80	1999
184301	A	SENTINEL PEAK RESOURCES CALIFORNIA, LLC	LOS ANGELES	2.7	ND	0.00	0.10	1997

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
185059	A	CUSTOM FIBREGLOSS MFG. CO DBA SNUGTOP	LONG BEACH	2.5	ND	0.00	0.00	1995
185093	A	BEVERLY HILLS UNIFIED SCHOOL DISTRICT	BEVERLY HILLS	1.2	ND	0.00	0.00	2005
185282	A	BKEP MATERIALS LLC - FONTANA	FONTANA	0.0	ND	0.30	0.00	1999
185352	A	SNOW SUMMIT, LLC.	BIG BEAR LAKE	5.5	ND	0.20	0.00	2007
185575	A	BRIDGE ENERGY, LLC	BREA	3.4	ND	0.00	0.00	1999
185801	A	BERRY PETROLEUM COMPANY LLC	SANTA CLARITA	1.6	ND	0.20	0.70	1999
186519	A	EMBEE PROCESSING	SANTA ANA	6.6	ND	0.21	0.58	2000
186899	A	ENERY HOLDINGS LLC	CARSON	0.8	ND	0.20	0.00	2007
187165	A	ALTAIR PARAMOUNT, LLC	PARAMOUNT	9.6	ND	0.00	0.00	2002
187348	A	HYDRO EXTRUDER, LLC	CITY OF INDUSTRY	1.3	ND	0.00	0.00	1999
187823	A	KIRK HILL INC	BREA	8.7	0.00	0.20	0.10	2007
188380	A	VALENCE SURFACE TECHNOLOGIES - LYNWOOD	LYNWOOD	0.5	0.00	0.10	0.40	2012
800003	A	HONEYWELL INTERNATIONAL INC	TORRANCE	1.8	ND	0.00	0.00	1999
800022	A	CALNEV PIPE LINE, LLC	BLOOMINGTON	5.9	ND	0.00	0.10	1999
800026	A	ULTRAMAR INC	WILMINGTON	7.2	0.18	0.70	0.20	2012
800030	A	CHEVRON PRODUCTS CO.	EL SEGUNDO	2.7	0.28	0.30	0.10	2001
800032	A	CHEVRON USA INC	MONTEBELLO	7.5	0.14	0.00	0.20	1999
800035	A	CONTINENTAL AIRLINES INC (NSR USE ONLY)	LOS ANGELES	2.8	ND	0.00	0.10	1995
800037	A	DEMENNO-KERDOON DBA WORLD OIL RECYCLING	COMPTON	4.9	0.01	0.01	0.02	2009
800038	A	THE BOEING COMPANY - C17 PROGRAM	LONG BEACH	4.8	ND	0.20	0.10	1999
800039	O	DOUGLAS PRODUCTS DIVISION	TORRANCE	2.4	ND	0.00	0.00	1996
800041	A	DOW CHEM U.S.A.	TORRANCE	4.4	ND	0.10	0.00	2000
800047	O	FLETCHER OIL & REF CO	CARSON	5.9	ND	0.00	0.00	1998
800056	A	KINDER MORGAN LIQUIDS TERMINALS, LLC	WILMINGTON	2.3	0.01	0.00	0.00	1997
800057	A	KINDER MORGAN LIQUIDS TERMINALS, LLC	CARSON	8.5	ND	0.00	0.10	1999
800063	A	GROVER PROD. CO (EIS USE)	LOS ANGELES	3.3	0.04	0.88	0.07	2001
800066	A	HITCO CARBON COMPOSITES INC	GARDENA	6.4	ND	0.30	0.00	1995

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
800067	A	THE BOEING COMPANY	EL SEGUNDO	6.2	ND	0.00	0.10	2000
800074	A	LA CITY, DWP HAYNES GENERATING STATION	LONG BEACH	0.2	ND	0.00	0.00	2000
800075	A	LA CITY, DWP SCATTERGOOD GENERATING STN	PLAYA DEL REY	0.0	ND	0.00	0.00	2000
800079	A	PETRO DIAMOND TERMINAL CO	LONG BEACH	8.3	ND	0.00	0.20	1998
800087	A	MENASCO MFG CO (EIS USE)	BURBANK	0.0	ND	0.00	0.00	1997
800111	O	THE BOEING COMPANY	DOWNEY	2.3	ND	0.00	0.10	1996
800113	A	ROHR, INC.	RIVERSIDE	7.2	0.01	0.90	0.00	2007
800127	A	SO CAL GAS CO	MONTEBELLO	1.0	0.00	0.00	0.00	2009
800129	A	SFPP, L.P.	BLOOMINGTON	5.8	ND	0.00	0.00	1996
800149	A	US BORAX INC	WILMINGTON	9.5	ND	0.00	0.00	2000
800150	A	US GOVT, AF DEPT, MARCH AIR RESERVE BASE	RIVERSIDE	7.4	0.02	0.30	0.00	2008
800168	A	PASADENA CITY, DWP	PASADENA	0.2	ND	0.70	0.00	1996
800181	A	CALIFORNIA PORTLAND CEMENT CO (c)	COLTON	2.0	ND	0.00	0.40	1996
800182	A	RIVERSIDE CEMENT CO (c)	RIVERSIDE	7.8	0.11	0.10	0.10	2001
800184	A	GOLDEN WEST REF CO	SANTA FE SPRINGS	8.8	ND	0.20	0.10	1997
800189	A	DISNEYLAND RESORT	ANAHEIM	3.3	0.03	0.10	0.10	2009
800193	A	LA CITY, DWP VALLEY GENERATING STATION	SUN VALLEY	0.2	ND	0.30	0.00	1999
800196	A	AMERICAN AIRLINES, INC.	LOS ANGELES	5.4	0.19	0.86	0.08	2002
800198	A	ULTRAMAR INC	WILMINGTON	5.9	ND	0.00	0.10	1999
800202	A	UNIVERSAL CITY STUDIOS, LLC.	UNIVERSAL CITY	2.4	ND	0.00	0.00	1996
800204	O	SIMPSON PAPER CO	POMONA	3.4	ND	0.00	0.00	1996
800209	A	BKK CORP (EIS USE)	WEST COVINA	6.9	ND	0.00	0.10	2000
800214	A	LA CITY, SANITATION BUREAU (HTP) (c)	PLAYA DEL REY	7.6	ND	0.10	0.00	1999
800236	A	LA CO. SANITATION DIST	CARSON	7.2	ND	0.20	0.10	2007
800264	A	EDGINGTON OIL COMPANY	LONG BEACH	4.8	0.00	0.00	0.00	2002
800273	O	CHEMOIL REF CORP (NSR USE ONLY)	SIGNAL HILL	0.0	ND	0.00	0.00	2000
800278	A	SFPP, L.P. (NSR USE)	CARSON	2.4	ND	0.00	0.10	1999

**Table C-2 (cont'd)**  
**Health Risks from Facilities with an Approved HRA**  
 (Listed by Facility ID)

Facility ID	Facility Status (a)	Facility Name	City	Cancer Risk (per million)	Cancer Burden (e)	Non-Cancer Acute Hazard Index	Non-Cancer Chronic Hazard Index	HRA Approval Year (d)
800279	A	SFPP, L.P. (NSR USE ONLY)	ORANGE	5.9	ND	0.00	0.20	1999
800288	A	UNIV CAL IRVINE (NSR USE ONLY)	IRVINE	5.6	ND	0.00	0.10	1996
800301	A	ITT GILFILLAN	VAN NUYS	0.9	ND	0.10	0.20	1998
800318	A	GRISWOLD INDUSTRIES	COSTA MESA	9.5	0.01	0.10	0.00	2001
800320	A	AMVAC CHEMICAL CORP	LOS ANGELES	0.0	ND	0.10	0.30	2004
800325	A	TIDELANDS OIL PRODUCTION CO	LONG BEACH	1.9	ND	0.10	0.60	1999
800327	A	GLENDALE CITY, GLENDALE WATER & POWER	GLENDALE	0.6	ND	0.00	0.00	1999
800330	A	THUMS LONG BEACH	LONG BEACH	1.2	ND	0.00	0.00	2000
800337	A	CHEVRON U.S.A., INC (NSR USE)	LA HABRA	0.0	ND	0.00	0.00	1996
800372	A	EQUILON ENTER. LLC, SHELL OIL PROD. US	CARSON	6.9	ND	0.40	0.10	2001
800373	A	LAKELAND DEVELOPMENT COMPANY	SANTA FE SPRINGS	9.7	ND	0.30	0.10	2000
800387	A	CAL INST OF TECH	PASADENA	2.4	ND	0.10	0.00	2007
800408	A	NORTHROP GRUMMAN SYSTEMS	MANHATTAN BEACH	1.4	ND	0.90	0.10	1998
800409	A	NORTHROP GRUMMAN SYSTEMS CORPORATION	REDONDO BEACH	5.5	ND	0.50	0.20	1998
800436	A	TESORO REFINING AND MARKETING CO, LLC	WILMINGTON	10.7	0.37	0.30	0.40	2013

**Notes:**

- a) A = Active (note that facilities with “Active” status within South Coast AQMD’s database may not currently be in operation); I = Inactive; OB = Out of Business
- b) The specific risk driver listed in this HRA is no longer in use & the resulting risk has been eliminated or minimized.
- c) South Coast AQMD staff has requested these facilities to update their HRAs.
- d) All HRAs with HRA Approval Year dated 2015 and later have used the 2015 OEHHA Risk Assessment Guidelines for preparation of their HRA.
- e) ND = Not Determined

## Appendix D — Approved Risk Reduction Plans and Voluntary Risk Reduction Plans

### Facilities with an Approved Rule 1402(f) Risk Reduction Plan

**Table D-1 — Status of Risk Reduction Plans**

Facility ID	Facility Name	Approved	Implemented	Residual Risk			
				Cancer Risk	Chronic HI	Acute HI	Cancer Burden
7427	Owens-Brockway Glass Container Inc	Yes	Yes	3.6	0.01	0.06	0.00
7730	Carpenter Co	Yes	Yes	1.0	0.03	1.34	0.00
8015	Anadite Inc	Yes	Yes	3.5	0.63	0.78	N/A
8547	Quemetco Inc	Yes	Yes	7.1	0.09	0.69	0.45
11818	Hixson Metal Finishing	Yes	In Progress	TBD	TBD	TBD	TBD
14191	Niklor Chemical Company Inc (a)	Yes	Yes	N/A	N/A	N/A	N/A
15504	Schlosser Forge Company	Yes	Yes	9.5	1.59	1.11	0.07
16951	Anaplex Corp	In Progress	In Progress	TBD	TBD	TBD	TBD
18294	Northrop Grumman Systems Corp	Yes	Yes	7.6	0.13	0.05	N/A
18931	Gerdau/TAMCO	Yes	In Progress	TBD	TBD	TBD	TBD
18989	Bowman Plating Co Inc	Yes	Yes	17.0	0.01	0.01	0.00
22410	Palace Plating (a)	Yes	Yes	N/A	N/A	N/A	N/A
23752	Aerocraft Heat Treating Co Inc	In Progress	In Progress	TBD	TBD	TBD	TBD
25012	Amada America, Inc.	Yes	Yes	0.0	0.00	0.00	0.00
41229	Lubeco Inc (d)	In Progress	In Progress	TBD	TBD	TBD	TBD
45938	E.M.E. Inc/Electro Machine & Engineering	Yes	Yes	0.0	0.00	0.00	0.00
61160	GE Engine Services, LLC	Yes	Yes	0.5	0.70	0.01	0.00
119127	PRC DeSoto International (a)	Yes	Yes	N/A	N/A	N/A	N/A
124838	Exide Technologies (d)	Yes	(See Note)	N/A	N/A	N/A	N/A
134931	Arconic Global Fasteners & Rings, Inc.	Yes	Yes	0.6	1.90	0.02	0.00
155828	Garrett Aviation Services, LLC	Yes	Yes	7.0	0.28	0.03	N/A
165192	Triumph Aerostructures, LLC. (b)	Yes	Yes	19.7	0.64	0.24	N/A
180631	STCDARA, LLC	Yes	Yes	13.8	0.01	0.74	0.02
186519	Embee Processing	Yes	Yes	6.6	0.21	0.58	N/A
800037	DeMenno/Kerdoon	Yes	Yes	4.9	0.00	0.02	0.01
800063	Grover Products Co.	Yes	Yes	3.3	0.88	0.07	0.04
800196	American Airlines, Inc.	Yes	Yes	5.4	0.86	0.08	0.19



## Notes:

- (a) Facility has shut down, resulting risks are zero.
- (b) The specific risk driver listed in this HRA is no longer in use & the resulting risk has been eliminated.
- (c) Facility undergoing closure and is no longer operating.
- (d) Represents previously approved HRA and RRP values. New HRA and RRP review is in progress.

### Facilities with an Approved Rule 1402(h) Voluntary Risk Reduction Plan

South Coast AQMD's Rule 1402 — Control of Toxic Air Contaminants from Existing Sources includes a Voluntary Risk Reduction Program. Facilities that participate in the Voluntary Risk Reduction Program reduce their health risks sooner and below the thresholds required under Rule 1402. Facilities that participate in this program have already had a HRA approved by South Coast AQMD that shows the facility's risks were below risk reduction thresholds at the time of HRA approval. An HRA is a study that estimates how a facility's emissions affect people's health risks in the surrounding community.

On March 6, 2015, OEHHA approved revisions to its guidelines (2015 OEHHA Guidelines) that are used by all air districts throughout the state to prepare HRAs. The 2015 OEHHA Guidelines incorporates age sensitivity factors which will increase cancer risk estimates to residential and sensitive receptors by approximately three times, and more than three times in some cases depending on whether the TAC has multiple pathways of exposure in addition to inhalation. Under the 2015 OEHHA Guidelines, even though the toxic emissions from a facility have not increased, the estimated cancer risk to a residential receptor will increase. Cancer risks for offsite worker receptors are similar between the existing and revised methodology because the methodology for adulthood exposures remains relatively unchanged. The Voluntary Risk Reduction Program provides an opportunity for participating facilities to address the increase in their estimated cancer risk due to the 2015 OEHHA Guidelines.

Table D-2 below lists the facilities with an approved Voluntary Risk Reduction Plan.

**Table D-2 — Facilities with Approved Voluntary Risk Reduction Plans**

Facility ID	Facility Status (a)	Facility Name	Address	City	VRRP Approval Year (e)
17301	A	ORANGE COUNTY SANITATION DISTRICT	10844 ELLIS AVE	FOUNTAIN VALLEY	2018
29110	A	ORANGE COUNTY SANITATION DISTRICT	22212 BROOKHURST ST	HUNTINGTON BEACH	2018

**Appendix E — List of Acronyms and Abbreviations**

<b>Acronym</b>	<b>Description</b>
AB 2588	Air Toxics “Hot Spots” Information and Assessment Act
AB 617	Assembly Bill 617
AER	Annual Emissions Reporting
ATIR	Air Toxics Inventory Report
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEMS	Continuous Emissions Monitoring System
CEQA	California Environmental Quality Act
DPM	Diesel Particulate Matter
EGBE	Ethylene Glycol mono-n-Butyl Ether
EIR	Environmental Impact Report
F.I.N.D	Facility Information Detail
H&S Code	California Health and Safety Code
HARP	Hotspots Analysis and Reporting Program
HI	Hazard Index
HRA	Health Risk Assessment
LPG	Liquefied Petroleum Gas
MATES	Multiple Air Toxics Exposure Study
MDI	Methylene Phenyl Diisocyanate
NAAQS	National Ambient Air Quality Standard
OEHHA	Office of Environmental Health Hazard Assessment
PAMS	Photochemical Assessment Monitoring Stations
REL	Reference Exposure Levels
RRP	Risk Reduction Plan
SB 1731	Facility Air Toxic Contaminant Risk Audit and Reduction Plan
South Coast AQMD	South Coast Air Quality Management District
TBAc	Tert-Butyl Acetate
TS	Total Facility Score
U.S. EPA	United States Environmental Protection Agency
VRRP	Voluntary Risk Reduction Plan



**South Coast Air Quality Management District**

**Facility Prioritization Procedure  
for  
the AB 2588 Program**

**September ~~2018~~2019**

---

## Preface

This version of the Prioritization Procedure updates the previous ~~November-September 2016~~ version, which was updated to incorporate the California Office of Environmental Health Hazard Assessment *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments* (2015 OEHHA Guidelines). This is intended to be a "living" document, which staff will update periodically as needed.

The revisions to this document from the previous September 2018 ~~for this current September-May 2019~~ version include:

- Correcting equations for calculation of cancer score;
- Correcting description of emissions for calculation of non-cancer acute score;

The major revisions to this document ~~forom the September 2018~~ from the previous November 2016 version include:

~~Revising the proximity adjustment factors to account for the latest meteorological data (Version 9);~~  
~~Simplifying the determination of a facility score for acute hazard index;~~  
~~Revising the residential and worker combined exposure factor for calculation of total cancer score to be consistent with the *Risk Assessment Procedures for Rules 1401, 1401.1 and 212*;~~  
~~Referencing the table in the *Supplemental Instructions Reporting Procedures for AB 2588 Facilities for Reporting their Quadrennial Air Toxics Emissions Inventory* for de minimis reporting limits for toxics rather than including it in this document;~~  
~~Referencing the table in the *Permit Application Package "N"* for multipathway adjustment factors rather than including it in this document; and~~  
~~Clarifying the descriptions of existing calculation methods~~

## Table of Contents

I. INTRODUCTION .....	1
II. FACILITY PRIORITIZATION PROCEDURE .....	1
A. Calculation of Cancer Score.....	3
Annual Emissions: .....	3
Cancer Potency: .....	4
Multipathway Adjustment Factor: .....	4
Receptor Proximity Adjustment Factor: .....	4
Worker Adjustment Factor: .....	5
B. Calculation of Non-Cancer Score.....	5
Non-Cancer Chronic Score:.....	5
Non-Cancer 8-Hour Score: .....	6
Non-Cancer Acute Score: .....	6
Annual and Maximum Hourly Emissions: .....	7
Reference Exposure Levels: .....	7
MultiPathway Adjustment Factor:.....	7
Receptor Proximity Adjustment Factor: .....	7
Worker Adjustment Factor: .....	8
C. Facility Ranking .....	8

## List of Tables

Table 1: Prioritization Categories .....	2
Table 2: Annual Receptor Proximity Adjustment Factors.....	9
Table 3: Hourly Receptor Proximity Adjustment Factors .....	34

## I. INTRODUCTION

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (commonly known as AB 2588) established a statewide program for the inventory of air toxics emissions from individual facilities as well as requirements for risk assessment and public notification of potential health risks. AB 2588 requires the South Coast Air Quality Management District (~~SCAQMD~~South Coast AQMD) to designate high, intermediate, and low priority categories and include each facility within the appropriate category based on its individual priority score. In establishing priorities, ~~SCAQMD~~South Coast AQMD is to consider the potency, toxicity, quantity and volume of hazardous materials released from the facility; the proximity of the facility to potential receptors, including, but not limited to, hospitals, schools, daycare centers, worksites and residences; and any other factors that ~~SCAQMD~~South Coast AQMD finds and determines may indicate that the facility may pose a significant risk to receptors.

## II. FACILITY PRIORITIZATION PROCEDURE

This document describes the facility prioritization procedure utilized by ~~SCAQMD~~South Coast AQMD (~~SCAQMD~~South Coast AQMD Procedure), which is consistent with the California Air Pollution Control Officers Association's (CAPCOA) August 2016 Facility Prioritization Guidelines (CAPCOA Guidelines)<sup>1</sup> developed by the Toxics and Risk Managers Committee (TARMAC).

The CAPCOA Guidelines primarily rely on four parameters to prioritize facilities: emissions, toxicity, the proximity to potential receptors, and stack height. While the ~~SCAQMD~~South Coast AQMD Procedure is consistent with the CAPCOA Guidelines, several refinements have been made over the history of ~~SCAQMD~~South Coast AQMD's AB 2588 Program. In September 1990, ~~SCAQMD~~South Coast AQMD refined the original CAPCOA Guidelines to include adjustment factors for receptor proximity, exposure period, and averaging times in addition to the treatment of multipathway pollutants. In August 2004, ~~SCAQMD~~South Coast AQMD revised its Procedure to accommodate the use of cancer potency factors (instead of unit risk factors) to allow for daily breathing rate and body weight variations as well as revised multipathway factors for resident and workers. In March 2011, the ~~SCAQMD~~South Coast AQMD Procedure was revised to include updated toxicity criteria. In June 2015, the ~~SCAQMD~~South Coast AQMD Procedure was updated to incorporate the revised risk calculation methodologies in the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.

In November 2016, the ~~SCAQMD~~South Coast AQMD Procedure was revised to further streamline and refine the prioritization methodology for better characterization of the priority score for each facility before an Air Toxics Inventory Report (ATIR) or a Voluntary Risk Reduction Plan (VRRP) is requested. The 2016 ~~SCAQMD~~South Coast AQMD Procedure used the local meteorology from all available ~~SCAQMD~~South Coast AQMD meteorological stations (Version 8 meteorological data) for every facility and evaluated risks at the actual closest receptor locations as well as receptors located in the worst case wind direction (e.g., downwind). This ~~current~~ (~~July~~September

---

<sup>1</sup> <http://www.capcoa.org/wp-content/uploads/2016/08/CAPCOA%20Prioritization%20Guidelines%20-%20August%202016%20FINAL.pdf>

20182019) SCAQMD South Coast AQMD Procedure incorporates the Version 9 meteorological data and simplifies calculation of a facility's non-cancer acute score.

A facility receives scores for four health endpoints: cancer, non-cancer chronic, non-cancer chronic 8-hr, and non-cancer acute. The cancer, non-cancer chronic, non-cancer chronic 8-hr health endpoints are evaluated for four receptors for each facility: the absolute closest sensitive receptor and worker receptor, and the closest sensitive receptor and worker receptor in the worst case wind direction. The non-cancer acute health endpoint is evaluated at a single receptor only in the worst case wind direction. Unlike the sensitive and worker receptor, this single receptor can be at the facility fenceline due to a potential for one-hour exposure duration. Every facility therefore receives 13 different scores: three health endpoints (cancer, non-cancer chronic and non-cancer chronic 8 hour) at four receptors, and one non-cancer acute health endpoint at a single receptor. The highest score is used to determine the Priority Score (PS).

Three categories are used in the ranking: high priority, intermediate priority and low priority. Based on the priority score, facilities designated as high priority are required to submit either an ATIR or VRRP under the AB 2588 Program. Facilities ranked with intermediate priority are considered to be District Tracking facilities, which are then required to submit complete an air toxics inventory once every four years. Facilities ranked with low priority are potentially exempt from reporting. Due to the very conservative nature of the screening SCAQMD South Coast AQMD Procedure used for prioritization, and consistent with CAPCOA's Guidelines, a priority score of 10 may be considered similar to a calculated cancer risk of 100 per million or a HI of 10. The same emissions profile evaluated in a more detailed Health Risk Assessment (HRA) using actual stack parameters and more detailed dispersion modeling will likely result in much lower calculated risks. The following table summarizes thresholds used to prioritize facilities:

**Table 1: Prioritization Categories**

Priority Score	Category
$PS > 10$	High Priority
$1 < PS \leq 10$	Intermediate Priority
$PS \leq 1$	Low Priority

Facilities subject to the AB 2588 Program are required to submit a detailed list of their air toxic emissions every four years (referred to as a quadrennial update). Based on their level of air toxic and criteria pollutant emissions, each year a different group of facilities will report a detailed list of its air toxic emissions. Upon initial prioritization of facilities, SCAQMD South Coast AQMD staff conducts auditing to confirm the distances reported to sensitive receptors and workers, and that the reported emissions are consistent with expected levels considering trends and facility changes such as new or modified permitted equipment or pollution controls, and comparing the priority score results with the last (HRA) or Risk Reduction Plan (Voluntary or Traditional), if applicable. This additional information obtained through priority score auditing will often negate the need to ask for additional reports such as an ATIR. If, however, the priority score remains high, the facility is asked to prepare an ATIR or a VRRP under the AB 2588 Program.

## A. Calculation of Cancer Score

The scores for residential and worker cancer effects are calculated as follows:

$$S_{r,cancer} = \sum \left( \frac{E_c}{CP_c} \right) E_c \times CP_c \times MP_{c,r} \times RP_r \times 677.40 \times 10^{-1}$$

$$S_{w,cancer} = \sum \left( \frac{E_c}{CP_c} \right) E_c \times CP_c \times MP_{c,w} \times RP_w \times 55.86 \times 10^{-1}$$

Where;

$S_{r,cancer}$	=	Total cancer score (summed for all carcinogens separately, by the residential
$S_{w,cancer}$	=	receptor and worker receptor)
c	=	Specific carcinogen
r	=	Residential receptor
w	=	Worker receptor
$E_c$	=	Annual emissions of carcinogen, c $\left( \frac{ton}{year} \right)$
$CP_c$	=	Cancer potency of carcinogen, c $(mg/kg-day)^{-1}$
$MP_{c,r}$	=	Multipathway adjustment factor of carcinogen, c; there are separate
$MP_{c,w}$	=	multipathway factors for residential receptor and worker receptor for the
		applicable exposure duration (see Table 3.1 of <i>Permit Application Package</i>
		"N")
$RP_r$	=	Receptor proximity adjustment factor for residential receptor and worker
$RP_w$	=	receptor, $\chi/Q \left( \frac{\mu g}{m^3} / \frac{ton}{year} \right)$
WAF	=	Worker Adjustment Factor (dimensionless)
677.40	=	Residential Combined Exposure Factor that accounts for age-specific
		breathing rate, age specific factor, exposure duration, exposure frequency, and
		averaging time from <del>SCAQMD</del> <u>South Coast AQMD's Risk Assessment</u>
		<i>Procedures for Rules 1401, 1401.1 and 212</i>
55.86	=	Worker Combined Exposure Factor that accounts for age-specific breathing
		rate, age specific factor, exposure duration, exposure frequency, and averaging
		time from <del>SCAQMD</del> <u>South Coast AQMD's Risk Assessment Procedures for</u>
		<i>Rules 1401, 1401.1 and 212</i>
$10^{-1}$	=	Scalar to adjust priority score to 1-10 scale

### Annual Emissions:

Annual emissions of carcinogens are taken from the Toxic Air Contaminants (TAC)/Ozone Depleting Compounds (ODC) Emissions and Fees Summary of the Annual Emission Reporting (AER) Program. Each substance has a degree of accuracy associated with them that is a de-minimis emission level for reporting. As a result, facility-wide air toxic emissions greater than one-half of their corresponding degree of accuracy are inventoried and reported. Conversely, total facility air toxic emissions less than one-half of their corresponding degree of accuracy levels are not considered in the prioritization. The carcinogens and associated degree of accuracy levels are listed



in the *Supplemental Instructions Reporting Procedures for AB 2588 Facilities for Reporting their Quadrennial Air Toxics Emissions Inventory*.<sup>2</sup>

### **Cancer Potency:**

The Cancer Potency (CP) factor is a measure of the cancer potency of a carcinogen. The CP is the estimated probability that a person will contract cancer as a result of a daily inhalation of 1 milligram of the carcinogen per kilogram of body weight continuously over a period of 70 years. The cancer potencies used in this Procedure are published by the Office of Environmental Health Hazard Assessment (OEHHHA).<sup>3</sup>

### **Multipathway Adjustment Factor:**

The multipathway (MP<sub>c</sub>) adjustment factor is used for carcinogens that may contribute to risk from exposure pathways other than inhalation. These carcinogens deposit on the ground in particulate form and contribute to risk through ingestion of soil or backyard garden vegetables or through other routes. This factor is used to account for additional risks from exposure through non-inhalation pathways. The MP<sub>c</sub> adjustment factors for specific carcinogens have been developed by SCAQMD South Coast AQMD staff by using the Health Risk Assessment Standalone Tool (RAST) developed by the California Air Resources Board (CARB).<sup>4</sup> The MP<sub>c</sub> factors also satisfy the requirements of the SCAQMD South Coast AQMD's *Risk Assessment Procedures for Rules 1401, 1401.1 and 212*.<sup>5</sup> The substances and associated MP<sub>c</sub> adjustment factors for worker and residents for longest exposure duration listed in Table 3.1 of *Permit Application Package "N"*<sup>6</sup> or the most current version of the document. For carcinogens that only affect the inhalation pathway, the MP<sub>c</sub> adjustment factor is set to one.

### **Receptor Proximity Adjustment Factor:**

There are four Receptor Proximity (RP) adjustment factors calculated for each facility for cancer score. They are calculated based on the distances from the facility to the nearest sensitive (e.g., residential) and worker receptors regardless of wind direction, and the nearest sensitive and worker receptors in the worst case wind direction. The receptors in the worst case wind direction are also evaluated in case the nearest receptors do not experience the highest risk. Receptor locations are off-site, where persons may be exposed to air toxic emissions from the facility. The receptor distance is defined as the closest distance between any major source or group of major sources of air toxic emissions at the facility and the property boundary of any one of the receptor locations. Consistent with the CAPCOA Guidelines, the minimum distance evaluated is 50 meters. The RP adjustment factors for every meteorological station<sup>7</sup> using the Version 9 meteorological data at receptor locations of 50, 75, 100, 200, 300, 500, and 1000 meters are included in Tables 3 and 4 at the end of this guidance. These RP adjustment factors are ( $\chi/Q$ ) values derived from U.S. EPA's AERMOD air dispersion model utilizing a unitary emission rate of one ton per year exiting out of a 0.1 meter diameter stack that is 0.27 meters above a 4.0 meter tall building, with a velocity of 5

---

<sup>2</sup> [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/quadrennial\\_atir\\_procedure.pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/quadrennial_atir_procedure.pdf)

<sup>3</sup> The latest CP values can be obtained at <http://www.arb.ca.gov/toxics/healthval/healthval.htm>

<sup>4</sup> [www.arb.ca.gov/toxics/harp/harp.htm](http://www.arb.ca.gov/toxics/harp/harp.htm)

<sup>5</sup> <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf>

<sup>6</sup> [www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf](http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf)

<sup>7</sup> Meteorological station information is available here:

[www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod](http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod)

meters per second. Linear interpolation is used to determine the appropriate ( $\chi/Q$ ) for receptor locations located between the distances specified in Tables 3 and 4.

### **Worker Adjustment Factor:**

The modeled annual average air concentration should be adjusted to the air concentration that the worker is actually exposed to if the source does not operate continuously. The Worker Adjustment Factor (WAF) is calculated with the following equation:

$$WAF = \frac{H_r}{H_{source}} \times \frac{D_r}{D_{source}}$$

Where,

- $H_r$  = Number of hours per day the annual average residential air concentration is based on (always 24 hours)
- $H_{source}$  = Number of hours the source operates per day
- $D_r$  = Number of days per week the annual average residential air concentration is based on (always 7 days)
- $D_{source}$  = Number of days the source operates per week

## **B. Calculation of Non-Cancer Score**

For a toxic substance, non-cancer health effects can occur via acute, non-cancer 8-hour exposure, and/or annual chronic exposure. All of these non-cancer effects are used in the calculation of a facility's priority score. For each substance associated with acute, non-cancer 8-hour and chronic toxicity, ~~SCAQMD~~South Coast AQMD staff calculates separate scores using the formulas shown below.

### **Non-Cancer Chronic Score:**

For a facility which emits pollutants with known non-cancer chronic health effects, the scores for non-cancer chronic effects for residential receptor and worker receptor are calculated as follows:

$$S_{r,chronic} = \sum \left( \frac{E_t}{REL_{t,chronic}} \right) \times MP_{t,r} \times RP_r$$

$$S_{w,chronic} = \sum \left( \frac{E_t}{REL_{t,chronic}} \right) \times MP_{t,w} \times RP_w$$

Where;

- $S_{r, chronic}$  = Total chronic score (summed for all substances with non-cancer chronic effects separately, by the residential receptor and worker receptor)
- $S_{w, chronic}$  =
- $t$  = Toxic substance
- $r$  = Residential Receptor
- $w$  = Worker Receptor
- $E_t$  = Annual emissions of substance,  $t$  (ton/year)

$REL_{t, \text{chronic}}$	=	Chronic reference exposure level of toxic substance, t ( $\mu\text{g}/\text{m}^3$ )
$MP_{t,r}$	=	Multipathway adjustment factor of carcinogen, c; there are separate multipathway factors for residential receptor and worker receptor as shown in Table 3.2 of <i>Permit Application Package "N"</i>
$MP_{t,w}$	=	Multipathway adjustment factor of carcinogen, c; there are separate multipathway factors for residential receptor and worker receptor as shown in Table 3.2 of <i>Permit Application Package "N"</i>
$RP_r$	=	Receptor proximity adjustment factor for residential receptor and for worker
$RP_w$	=	Receptor proximity adjustment factor for residential receptor and for worker receptor, $\chi/Q \left( \frac{\mu\text{g}}{\text{m}^3} / \frac{\text{ton}}{\text{year}} \right)$
WAF	=	Worker Adjustment Factor (dimensionless)

### **Non-Cancer 8-Hour Score:**

For a facility which emits pollutants with known non-cancer 8-hour health effects, the scores for non-cancer 8-hour effects for residential receptor and worker receptor are calculated as follows:

$$S_{r,8\text{-hr}} = \sum \left( \frac{E_t}{REL_t} \right) \times (WAF) \times RP_r$$

$$S_{w,8\text{-hr}} = \sum \left( \frac{E_t}{REL_t} \right) \times (WAF) \times RP_w$$

Where;

$S_{w, 8\text{-hr}}$	=	Total 8-hour score (summed for all substances with non-cancer 8-hour effects separately, by the residential receptor and worker receptor)
$S_{r, 8\text{-hr}}$	=	Total 8-hour score (summed for all substances with non-cancer 8-hour effects separately, by the residential receptor and worker receptor)
t	=	Toxic substance
r	=	Residential Receptor
w	=	Worker Receptor
$E_t$	=	Annual emissions of substance, t (ton/year)
$REL_{t, 8\text{-hr}}$	=	8-hour reference exposure level of toxic substance, t ( $\mu\text{g}/\text{m}^3$ )
$RP_r$	=	Receptor proximity adjustment factor for residential receptor and worker
$RP_w$	=	Receptor proximity adjustment factor for residential receptor and worker receptor, $\chi/Q \left( \frac{\mu\text{g}}{\text{m}^3} / \frac{\text{ton}}{\text{year}} \right)$
WAF	=	Worker Adjustment Factor (dimensionless)

### **Non-Cancer Acute Score:**

For a facility which emits pollutants with known non-cancer acute health effects, the score for non-cancer acute effects is calculated as follows:

$$S_{acute} = \sum \left( \frac{E_t}{REL_t} \right) \times RP$$

Where;

$S_{acute}$	=	Total acute score (summed for all substances with non-cancer acute effects separately, by the residential receptor and worker receptor)
t	=	Toxic substance
$E_t$	=	Annual Maximum hourly emissions of substance, t ( <del>tons/year</del> lb/hour)
$REL_t$	=	Acute reference exposure level of toxic substance, t ( $\mu\text{g}/\text{m}^3$ )

$$RP = \text{Receptor proximity adjustment factor for hourly concentration, } \chi/Q \left( \frac{\mu g}{m^3} \bigg/ \frac{lb}{hr} \right)$$

### **Annual and Maximum Hourly Emissions:**

Two different emissions rates are required for calculating the score for non-cancer health effects. The methodology for calculating the non-cancer score for chronic exposure requires annual emissions (tons/year) for each emitted pollutant whereas calculation of the non-cancer score for acute exposure requires maximum hourly emissions (lbs/hr) for each emitted pollutant. Maximum hourly emissions are obtained by dividing the annual emissions (lbs/yr) of the pollutant by the facility's actual operating hours and then multiplied by a maximum hourly emission adjustment factor of 1.25. Annual emissions are taken from the Toxic Air Contaminants (TAC)/Ozone Depleting Compounds (ODC) Emissions and Fees Summary of the AER Program. As specified previously, emissions of specified substances which are below one-half of their corresponding degree of accuracy levels are neglected in the computation.

### **Reference Exposure Levels:**

The Reference Exposure Level (REL) is used as an indicator of all potential adverse non-cancer health effects, and refers to a concentration level ( $\mu g/m^3$ ) or dose (mg/kg-day) below which no adverse health effects are anticipated. The RELs used in this Procedure are published by OEHHHA and CARB.<sup>8</sup>

### **MultiPathway Adjustment Factor:**

The MultiPathway ( $MP_t$ ) adjustment factor is used for substances that may contribute to non-cancer chronic risks from exposure pathways other than inhalation. The  $MP_t$  adjustment factors to evaluate the non-cancer chronic health endpoint for selected toxic pollutants can be found in Table 3.2 of *Permit Application Package "N"*<sup>9</sup> or the most recent version of the document. There are separate MP factors for workers and residents. For non-cancer chronic health effects, substances that only affect the inhalation pathway, the  $MP_t$  adjustment factor is set to one (1.0). Note that for calculation of non-cancer scores, the  $MP_t$  is relevant for the chronic risk endpoint.

### **Receptor Proximity Adjustment Factor:**

The Receptor Proximity (RP) adjustment factor is the same adjustment factor used in the calculation of the facility cancer score discussed previously. The RP adjustment factor for non-cancer acute score is based on a single distance from the facility to the nearest receptor regardless of wind direction. This receptor can be at the facility fenceline to account for the short one-hour exposure duration. To simplify calculation of the non-cancer acute score, the worst case wind direction is used for the single receptor distance.

---

<sup>8</sup> [www.arb.ca.gov/toxics/healthval/healthval.htm](http://www.arb.ca.gov/toxics/healthval/healthval.htm)

<sup>9</sup> [www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/attachmentn-v8-1.pdf](http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/attachmentn-v8-1.pdf)

**Worker Adjustment Factor:**

The modeled annual average air concentration should be adjusted to the air concentration that the worker is actually exposed to if the source does not operate continuously. This is the same adjustment factor used in the calculation of the facility cancer score discussed previously.

**C. Facility Ranking**

From the computed scores for cancer and all non-cancer effects, the priority score is the higher of the 13 scores, and serves as the basis for ranking a facility as described in Table 1.

**Table 2: Annual Receptor Proximity Adjustment Factors**  $\left(\frac{\mu\text{g}}{\text{m}^3} \cdot \frac{\text{ton}}{\text{yr}}\right)$

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Azusa	10	7.655	4.130	2.495	0.662	0.305	0.124	0.038
Azusa	20	8.185	4.380	2.644	0.697	0.314	0.125	0.038
Azusa	30	9.407	4.858	2.922	0.755	0.326	0.127	0.039
Azusa	40	11.768	5.819	3.451	0.839	0.344	0.130	0.039
Azusa	50	15.417	7.573	4.449	1.012	0.376	0.134	0.040
Azusa	60	19.640	10.129	6.051	1.362	0.438	0.138	0.042
Azusa	70	22.492	12.152	7.603	1.818	0.531	0.141	0.042
Azusa	80	23.252	12.525	7.756	1.823	0.523	0.140	0.042
Azusa	90	21.273	11.068	6.613	1.499	0.449	0.135	0.041
Azusa	100	17.572	8.821	5.267	1.211	0.403	0.130	0.039
Azusa	110	13.662	7.095	4.287	1.014	0.366	0.126	0.038
Azusa	120	11.066	5.917	3.579	0.882	0.342	0.124	0.038
Azusa	130	9.364	5.210	3.181	0.804	0.327	0.123	0.038
Azusa	140	8.441	4.825	2.970	0.765	0.320	0.122	0.038
Azusa	150	8.057	4.682	2.880	0.754	0.318	0.122	0.038
Azusa	160	8.287	4.711	2.882	0.744	0.315	0.122	0.038
Azusa	170	9.368	5.017	3.051	0.745	0.312	0.122	0.038
Azusa	180	11.449	5.814	3.522	0.796	0.314	0.123	0.038
Azusa	190	13.972	7.367	4.477	1.002	0.345	0.124	0.038
Azusa	200	15.740	8.619	5.377	1.257	0.396	0.124	0.038
Azusa	210	16.469	8.915	5.604	1.343	0.414	0.125	0.038
Azusa	220	15.942	8.355	5.212	1.214	0.394	0.124	0.038
Azusa	230	14.506	7.591	4.634	1.108	0.377	0.124	0.038
Azusa	240	13.186	6.929	4.249	1.038	0.366	0.123	0.038
Azusa	250	12.177	6.451	3.971	0.983	0.357	0.123	0.038
Azusa	260	11.477	6.059	3.696	0.926	0.347	0.123	0.038
Azusa	270	10.745	5.688	3.464	0.878	0.336	0.122	0.038
Azusa	280	10.081	5.306	3.213	0.822	0.329	0.123	0.038
Azusa	290	9.466	4.987	3.023	0.780	0.323	0.123	0.038
Azusa	300	9.034	4.727	2.860	0.755	0.320	0.123	0.038
Azusa	310	8.678	4.518	2.734	0.731	0.316	0.123	0.038
Azusa	320	8.409	4.328	2.614	0.702	0.311	0.122	0.038
Azusa	330	8.144	4.192	2.515	0.679	0.307	0.122	0.038
Azusa	340	7.869	4.102	2.454	0.665	0.305	0.123	0.038

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Azusa	350	7.581	4.048	2.433	0.657	0.303	0.123	0.038
Azusa	360	7.509	4.042	2.435	0.648	0.301	0.123	0.038
Banning	10	1.834	1.222	0.794	0.236	0.114	0.047	0.015
Banning	20	1.908	1.295	0.862	0.258	0.121	0.049	0.015
Banning	30	2.357	1.502	1.021	0.311	0.141	0.054	0.016
Banning	40	3.748	2.120	1.414	0.431	0.192	0.072	0.020
Banning	50	6.731	3.677	2.381	0.697	0.300	0.110	0.030
Banning	60	12.021	6.517	4.184	1.201	0.479	0.170	0.050
Banning	70	18.569	10.388	6.762	1.877	0.696	0.238	0.073
Banning	80	23.911	13.741	8.851	2.448	0.863	0.284	0.090
Banning	90	24.235	14.033	9.124	2.534	0.857	0.284	0.091
Banning	100	19.437	10.881	6.968	1.936	0.700	0.238	0.074
Banning	110	12.291	6.678	4.358	1.259	0.484	0.171	0.051
Banning	120	6.728	3.784	2.515	0.763	0.313	0.112	0.032
Banning	130	3.735	2.316	1.595	0.485	0.205	0.075	0.021
Banning	140	2.488	1.668	1.146	0.345	0.151	0.057	0.017
Banning	150	2.022	1.405	0.943	0.281	0.127	0.050	0.015
Banning	160	1.926	1.306	0.859	0.255	0.118	0.048	0.015
Banning	170	2.045	1.297	0.842	0.248	0.116	0.048	0.015
Banning	180	2.287	1.365	0.885	0.258	0.119	0.049	0.015
Banning	190	2.669	1.531	0.977	0.284	0.128	0.052	0.016
Banning	200	3.136	1.796	1.153	0.334	0.144	0.056	0.017
Banning	210	3.608	2.089	1.359	0.396	0.162	0.061	0.019
Banning	220	3.983	2.286	1.496	0.433	0.175	0.065	0.020
Banning	230	4.178	2.394	1.558	0.447	0.181	0.067	0.021
Banning	240	4.318	2.447	1.596	0.467	0.188	0.068	0.021
Banning	250	4.531	2.516	1.634	0.469	0.191	0.070	0.021
Banning	260	5.129	2.730	1.712	0.491	0.202	0.074	0.022
Banning	270	5.788	3.128	1.940	0.539	0.217	0.080	0.024
Banning	280	6.033	3.351	2.105	0.568	0.226	0.084	0.026
Banning	290	5.481	3.033	1.924	0.531	0.214	0.079	0.024
Banning	300	4.348	2.337	1.439	0.401	0.176	0.068	0.020
Banning	310	3.214	1.688	1.048	0.309	0.143	0.056	0.017
Banning	320	2.526	1.380	0.879	0.264	0.124	0.050	0.015
Banning	330	2.247	1.278	0.809	0.242	0.116	0.047	0.015

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{m}^3}\right)_{\text{ton/yr}}$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Banning	340	2.122	1.237	0.784	0.235	0.113	0.047	0.014
Banning	350	2.005	1.217	0.775	0.232	0.112	0.046	0.014
Banning	360	1.895	1.206	0.773	0.230	0.112	0.047	0.014
Burbank Arpt.	10	11.332	5.792	3.623	0.913	0.379	0.145	0.043
Burbank Arpt.	20	8.178	4.565	2.856	0.765	0.327	0.124	0.037
Burbank Arpt.	30	6.762	3.898	2.459	0.670	0.289	0.110	0.033
Burbank Arpt.	40	6.150	3.582	2.261	0.620	0.269	0.104	0.032
Burbank Arpt.	50	6.033	3.514	2.211	0.612	0.264	0.102	0.031
Burbank Arpt.	60	6.333	3.633	2.289	0.630	0.267	0.102	0.032
Burbank Arpt.	70	6.963	3.940	2.496	0.678	0.277	0.103	0.032
Burbank Arpt.	80	7.957	4.430	2.794	0.748	0.291	0.105	0.032
Burbank Arpt.	90	9.125	5.059	3.202	0.845	0.306	0.107	0.033
Burbank Arpt.	100	10.303	5.731	3.635	0.953	0.331	0.110	0.034
Burbank Arpt.	110	11.221	6.297	4.045	1.060	0.355	0.112	0.035
Burbank Arpt.	120	11.823	6.658	4.280	1.109	0.366	0.114	0.035
Burbank Arpt.	130	12.050	6.794	4.363	1.135	0.373	0.115	0.036
Burbank Arpt.	140	11.811	6.651	4.324	1.112	0.370	0.115	0.036
Burbank Arpt.	150	11.039	6.275	4.033	1.050	0.353	0.113	0.035
Burbank Arpt.	160	9.847	5.588	3.567	0.910	0.320	0.110	0.034
Burbank Arpt.	170	8.560	4.764	3.040	0.769	0.287	0.106	0.033
Burbank Arpt.	180	7.363	4.076	2.587	0.649	0.262	0.103	0.032
Burbank Arpt.	190	6.464	3.677	2.353	0.618	0.259	0.101	0.031
Burbank Arpt.	200	5.998	3.518	2.241	0.611	0.259	0.100	0.031
Burbank Arpt.	210	5.878	3.433	2.191	0.610	0.259	0.100	0.031
Burbank Arpt.	220	5.903	3.428	2.184	0.608	0.259	0.100	0.031
Burbank Arpt.	230	6.035	3.490	2.219	0.621	0.262	0.100	0.031
Burbank Arpt.	240	6.418	3.660	2.330	0.647	0.268	0.101	0.031
Burbank Arpt.	250	7.044	3.997	2.562	0.706	0.282	0.103	0.032
Burbank Arpt.	260	8.060	4.532	2.893	0.792	0.305	0.108	0.033
Burbank Arpt.	270	9.213	5.167	3.312	0.912	0.336	0.117	0.036
Burbank Arpt.	280	10.508	5.798	3.679	1.018	0.377	0.130	0.040
Burbank Arpt.	290	11.700	6.491	4.147	1.121	0.417	0.145	0.045
Burbank Arpt.	300	12.622	7.119	4.565	1.241	0.459	0.157	0.049
Burbank Arpt.	310	13.120	7.389	4.745	1.283	0.475	0.163	0.051
Burbank Arpt.	320	13.308	7.275	4.658	1.239	0.472	0.164	0.050



**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Burbank Arpt.	330	13.495	7.321	4.598	1.222	0.469	0.165	0.049
Burbank Arpt.	340	14.255	7.629	4.760	1.235	0.473	0.169	0.051
Burbank Arpt.	350	14.988	8.101	5.103	1.260	0.469	0.172	0.052
Burbank Arpt.	360	13.944	7.552	4.756	1.141	0.430	0.164	0.050
Central L.A.	10	12.372	6.586	4.039	0.938	0.339	0.123	0.038
Central L.A.	20	12.289	6.467	3.875	0.902	0.340	0.124	0.038
Central L.A.	30	11.924	5.981	3.543	0.826	0.331	0.125	0.038
Central L.A.	40	11.815	5.741	3.364	0.803	0.333	0.127	0.038
Central L.A.	50	12.475	6.033	3.491	0.832	0.342	0.129	0.039
Central L.A.	60	14.213	6.902	3.980	0.915	0.358	0.132	0.040
Central L.A.	70	15.835	8.054	4.797	1.097	0.389	0.134	0.040
Central L.A.	80	16.747	8.791	5.341	1.270	0.418	0.132	0.040
Central L.A.	90	16.248	8.525	5.164	1.241	0.403	0.128	0.039
Central L.A.	100	14.558	7.378	4.365	1.021	0.360	0.123	0.037
Central L.A.	110	12.095	6.124	3.664	0.867	0.331	0.119	0.036
Central L.A.	120	10.308	5.353	3.181	0.780	0.314	0.117	0.036
Central L.A.	130	9.083	4.925	2.961	0.743	0.307	0.116	0.036
Central L.A.	140	8.484	4.732	2.886	0.736	0.307	0.116	0.036
Central L.A.	150	8.314	4.691	2.854	0.733	0.305	0.116	0.036
Central L.A.	160	8.560	4.740	2.852	0.716	0.300	0.116	0.036
Central L.A.	170	9.425	4.964	2.949	0.707	0.296	0.116	0.036
Central L.A.	180	10.993	5.579	3.249	0.716	0.294	0.116	0.036
Central L.A.	190	13.850	6.802	3.965	0.811	0.307	0.117	0.036
Central L.A.	200	16.745	8.774	5.175	1.093	0.348	0.117	0.036
Central L.A.	210	18.447	10.200	6.465	1.563	0.440	0.119	0.036
Central L.A.	220	18.751	10.353	6.663	1.615	0.459	0.119	0.036
Central L.A.	230	17.517	9.238	5.554	1.226	0.378	0.118	0.036
Central L.A.	240	14.952	7.368	4.301	0.924	0.332	0.118	0.036
Central L.A.	250	12.125	6.014	3.509	0.811	0.319	0.118	0.036
Central L.A.	260	10.229	5.170	3.054	0.763	0.312	0.118	0.036
Central L.A.	270	8.895	4.619	2.770	0.714	0.302	0.117	0.036
Central L.A.	280	8.021	4.214	2.514	0.661	0.295	0.117	0.036
Central L.A.	290	7.386	3.938	2.354	0.631	0.290	0.117	0.036
Central L.A.	300	7.112	3.795	2.267	0.620	0.288	0.116	0.036
Central L.A.	310	7.202	3.756	2.243	0.620	0.288	0.116	0.036

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{m}^3}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Central L.A.	320	7.512	3.791	2.260	0.620	0.289	0.116	0.036
Central L.A.	330	8.099	3.972	2.318	0.625	0.290	0.117	0.036
Central L.A.	340	9.012	4.434	2.532	0.643	0.293	0.118	0.036
Central L.A.	350	10.412	5.156	3.023	0.698	0.300	0.119	0.037
Central L.A.	360	11.747	6.060	3.650	0.821	0.314	0.121	0.037
Chino Arpt.	10	5.753	3.228	2.054	0.567	0.248	0.098	0.030
Chino Arpt.	20	6.084	3.420	2.177	0.613	0.264	0.102	0.031
Chino Arpt.	30	6.923	3.855	2.468	0.709	0.296	0.111	0.034
Chino Arpt.	40	8.562	4.714	3.032	0.869	0.356	0.129	0.039
Chino Arpt.	50	10.966	6.170	3.972	1.128	0.453	0.161	0.048
Chino Arpt.	60	13.836	7.874	5.116	1.468	0.572	0.200	0.061
Chino Arpt.	70	16.230	9.205	5.999	1.713	0.662	0.231	0.071
Chino Arpt.	80	17.557	9.887	6.322	1.798	0.697	0.244	0.075
Chino Arpt.	90	17.074	9.626	6.221	1.799	0.674	0.237	0.074
Chino Arpt.	100	15.185	8.498	5.459	1.563	0.603	0.214	0.066
Chino Arpt.	110	12.693	7.089	4.625	1.339	0.517	0.181	0.056
Chino Arpt.	120	10.686	6.055	3.937	1.121	0.434	0.151	0.046
Chino Arpt.	130	9.506	5.441	3.523	0.991	0.378	0.130	0.040
Chino Arpt.	140	9.021	5.194	3.386	0.926	0.348	0.119	0.036
Chino Arpt.	150	8.892	5.224	3.395	0.925	0.339	0.115	0.035
Chino Arpt.	160	8.982	5.266	3.412	0.900	0.327	0.113	0.035
Chino Arpt.	170	9.348	5.314	3.445	0.876	0.315	0.114	0.035
Chino Arpt.	180	9.704	5.458	3.528	0.854	0.305	0.115	0.036
Chino Arpt.	190	9.906	5.628	3.654	0.910	0.322	0.115	0.036
Chino Arpt.	200	9.970	5.781	3.753	0.980	0.342	0.116	0.036
Chino Arpt.	210	10.149	5.869	3.831	1.029	0.355	0.116	0.036
Chino Arpt.	220	10.236	5.889	3.859	1.040	0.361	0.117	0.036
Chino Arpt.	230	10.103	5.835	3.794	1.032	0.361	0.117	0.036
Chino Arpt.	240	9.867	5.630	3.653	0.998	0.353	0.115	0.036
Chino Arpt.	250	9.539	5.387	3.483	0.954	0.342	0.113	0.035
Chino Arpt.	260	9.217	5.165	3.307	0.903	0.328	0.111	0.034
Chino Arpt.	270	8.730	4.891	3.134	0.862	0.315	0.108	0.034
Chino Arpt.	280	8.101	4.531	2.886	0.792	0.301	0.106	0.033
Chino Arpt.	290	7.450	4.180	2.680	0.743	0.290	0.104	0.032
Chino Arpt.	300	6.939	3.918	2.507	0.701	0.282	0.102	0.032

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Chino Arpt.	310	6.544	3.687	2.350	0.662	0.272	0.101	0.031
Chino Arpt.	320	6.217	3.486	2.214	0.624	0.263	0.099	0.031
Chino Arpt.	330	5.949	3.341	2.114	0.599	0.255	0.098	0.030
Chino Arpt.	340	5.748	3.245	2.053	0.577	0.248	0.096	0.030
Chino Arpt.	350	5.677	3.175	2.015	0.559	0.243	0.096	0.030
Chino Arpt.	360	5.661	3.167	2.006	0.544	0.239	0.096	0.030
Desert Hot Springs Arpt.	10	4.354	2.431	1.555	0.432	0.190	0.075	0.023
Desert Hot Springs Arpt.	20	3.970	2.302	1.473	0.420	0.184	0.072	0.022
Desert Hot Springs Arpt.	30	3.797	2.206	1.411	0.407	0.179	0.070	0.022
Desert Hot Springs Arpt.	40	3.701	2.148	1.374	0.400	0.178	0.069	0.021
Desert Hot Springs Arpt.	50	3.694	2.173	1.387	0.403	0.179	0.070	0.021
Desert Hot Springs Arpt.	60	3.847	2.273	1.462	0.425	0.185	0.071	0.022
Desert Hot Springs Arpt.	70	4.157	2.456	1.594	0.462	0.196	0.074	0.023
Desert Hot Springs Arpt.	80	4.732	2.747	1.774	0.511	0.213	0.079	0.024
Desert Hot Springs Arpt.	90	5.562	3.187	2.054	0.592	0.238	0.087	0.026
Desert Hot Springs Arpt.	100	6.801	3.840	2.482	0.720	0.284	0.101	0.030
Desert Hot Springs Arpt.	110	8.561	4.809	3.148	0.922	0.361	0.126	0.037
Desert Hot Springs Arpt.	120	11.069	6.268	4.101	1.201	0.471	0.165	0.049
Desert Hot Springs Arpt.	130	14.284	8.182	5.390	1.606	0.624	0.217	0.067
Desert Hot Springs Arpt.	140	17.303	10.020	6.742	1.966	0.764	0.267	0.084
Desert Hot Springs Arpt.	150	18.909	11.211	7.462	2.183	0.831	0.291	0.092
Desert Hot Springs Arpt.	160	18.395	10.804	7.151	2.039	0.772	0.275	0.087
Desert Hot Springs Arpt.	170	16.201	9.106	5.982	1.676	0.629	0.232	0.072
Desert Hot Springs Arpt.	180	12.755	7.020	4.615	1.232	0.472	0.182	0.056
Desert Hot Springs Arpt.	190	9.216	5.194	3.495	0.961	0.376	0.139	0.042
Desert Hot Springs Arpt.	200	6.551	3.969	2.640	0.739	0.295	0.108	0.033
Desert Hot Springs Arpt.	210	5.056	3.080	2.042	0.578	0.237	0.088	0.026
Desert Hot Springs Arpt.	220	4.181	2.533	1.646	0.472	0.201	0.076	0.023
Desert Hot Springs Arpt.	230	3.721	2.244	1.438	0.419	0.183	0.070	0.022
Desert Hot Springs Arpt.	240	3.579	2.112	1.347	0.393	0.174	0.068	0.021
Desert Hot Springs Arpt.	250	3.598	2.083	1.325	0.389	0.173	0.067	0.021
Desert Hot Springs Arpt.	260	3.737	2.120	1.349	0.393	0.174	0.068	0.021
Desert Hot Springs Arpt.	270	3.984	2.227	1.409	0.410	0.179	0.069	0.021
Desert Hot Springs Arpt.	280	4.495	2.461	1.547	0.448	0.195	0.074	0.022
Desert Hot Springs Arpt.	290	5.383	2.886	1.818	0.515	0.221	0.083	0.025

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Desert Hot Springs Arpt.	300	6.685	3.549	2.204	0.614	0.259	0.095	0.028
Desert Hot Springs Arpt.	310	7.973	4.304	2.668	0.724	0.298	0.109	0.032
Desert Hot Springs Arpt.	320	8.619	4.713	2.982	0.798	0.324	0.117	0.034
Desert Hot Springs Arpt.	330	8.325	4.544	2.828	0.765	0.311	0.113	0.033
Desert Hot Springs Arpt.	340	7.280	3.865	2.371	0.641	0.269	0.100	0.029
Desert Hot Springs Arpt.	350	6.004	3.149	1.973	0.543	0.231	0.088	0.026
Desert Hot Springs Arpt.	360	4.988	2.695	1.710	0.466	0.202	0.080	0.024
Fontana	10	7.494	4.115	2.563	0.683	0.303	0.121	0.037
Fontana	20	8.855	4.704	2.898	0.761	0.324	0.125	0.038
Fontana	30	11.533	5.937	3.617	0.926	0.365	0.134	0.040
Fontana	40	15.562	8.126	5.026	1.234	0.437	0.147	0.044
Fontana	50	19.933	10.796	6.792	1.686	0.542	0.162	0.049
Fontana	60	23.176	12.741	8.061	1.992	0.610	0.173	0.053
Fontana	70	23.590	12.904	8.148	1.994	0.611	0.174	0.053
Fontana	80	21.121	11.288	6.985	1.721	0.549	0.165	0.050
Fontana	90	16.789	8.798	5.392	1.345	0.455	0.150	0.045
Fontana	100	12.513	6.522	4.017	1.023	0.384	0.135	0.041
Fontana	110	9.378	5.146	3.230	0.843	0.339	0.125	0.038
Fontana	120	7.859	4.547	2.864	0.768	0.319	0.120	0.037
Fontana	130	7.303	4.358	2.750	0.743	0.311	0.118	0.037
Fontana	140	7.337	4.371	2.759	0.736	0.309	0.117	0.036
Fontana	150	7.708	4.541	2.847	0.760	0.312	0.118	0.037
Fontana	160	8.430	4.828	3.015	0.779	0.314	0.118	0.037
Fontana	170	9.722	5.301	3.320	0.809	0.315	0.120	0.037
Fontana	180	11.633	6.134	3.816	0.870	0.320	0.122	0.038
Fontana	190	13.771	7.425	4.636	1.069	0.359	0.125	0.039
Fontana	200	15.350	8.531	5.395	1.295	0.409	0.129	0.040
Fontana	210	16.031	8.854	5.651	1.391	0.432	0.130	0.040
Fontana	220	15.527	8.445	5.376	1.312	0.422	0.130	0.040
Fontana	230	14.113	7.684	4.829	1.214	0.404	0.127	0.039
Fontana	240	12.529	6.798	4.271	1.086	0.377	0.124	0.038
Fontana	250	11.047	5.960	3.732	0.960	0.352	0.121	0.037
Fontana	260	9.844	5.284	3.276	0.853	0.330	0.119	0.037
Fontana	270	8.866	4.779	2.965	0.791	0.317	0.118	0.037
Fontana	280	8.145	4.399	2.719	0.735	0.308	0.118	0.037

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Fontana	290	7.656	4.132	2.553	0.696	0.301	0.117	0.036
Fontana	300	7.413	3.990	2.459	0.679	0.299	0.117	0.036
Fontana	310	7.299	3.930	2.423	0.674	0.298	0.117	0.036
Fontana	320	7.182	3.887	2.400	0.666	0.296	0.117	0.036
Fontana	330	6.994	3.840	2.364	0.659	0.295	0.117	0.036
Fontana	340	6.790	3.787	2.333	0.647	0.293	0.117	0.036
Fontana	350	6.737	3.769	2.332	0.634	0.289	0.117	0.036
Fontana	360	6.915	3.853	2.395	0.642	0.291	0.118	0.037
Fullerton Arpt.	10	14.907	7.850	4.869	1.151	0.419	0.151	0.046
Fullerton Arpt.	20	14.941	8.065	4.938	1.187	0.438	0.155	0.047
Fullerton Arpt.	30	14.503	7.826	4.858	1.206	0.443	0.155	0.047
Fullerton Arpt.	40	13.643	7.335	4.575	1.140	0.429	0.150	0.045
Fullerton Arpt.	50	12.538	6.744	4.157	1.057	0.405	0.143	0.043
Fullerton Arpt.	60	11.797	6.289	3.880	1.001	0.389	0.138	0.041
Fullerton Arpt.	70	11.901	6.313	3.890	0.982	0.381	0.136	0.041
Fullerton Arpt.	80	13.199	7.004	4.263	1.060	0.391	0.137	0.042
Fullerton Arpt.	90	14.408	7.940	4.970	1.260	0.422	0.138	0.042
Fullerton Arpt.	100	14.712	8.169	5.160	1.332	0.441	0.138	0.043
Fullerton Arpt.	110	13.702	7.465	4.668	1.166	0.405	0.135	0.042
Fullerton Arpt.	120	12.158	6.511	4.005	1.011	0.376	0.132	0.041
Fullerton Arpt.	130	10.988	5.933	3.686	0.949	0.361	0.128	0.039
Fullerton Arpt.	140	10.386	5.682	3.572	0.920	0.353	0.126	0.039
Fullerton Arpt.	150	10.036	5.570	3.488	0.910	0.348	0.124	0.038
Fullerton Arpt.	160	9.763	5.438	3.389	0.863	0.335	0.124	0.038
Fullerton Arpt.	170	9.561	5.283	3.292	0.818	0.323	0.123	0.038
Fullerton Arpt.	180	9.361	5.162	3.212	0.780	0.313	0.123	0.038
Fullerton Arpt.	190	9.236	5.121	3.201	0.792	0.319	0.123	0.038
Fullerton Arpt.	200	9.279	5.205	3.233	0.826	0.329	0.123	0.038
Fullerton Arpt.	210	9.637	5.369	3.360	0.874	0.338	0.124	0.038
Fullerton Arpt.	220	10.341	5.696	3.587	0.922	0.349	0.125	0.039
Fullerton Arpt.	230	11.447	6.264	3.915	0.996	0.364	0.126	0.039
Fullerton Arpt.	240	13.188	7.123	4.435	1.107	0.386	0.128	0.039
Fullerton Arpt.	250	15.160	8.254	5.182	1.275	0.419	0.131	0.040
Fullerton Arpt.	260	16.654	9.246	5.827	1.447	0.451	0.133	0.041
Fullerton Arpt.	270	16.389	9.138	5.809	1.480	0.451	0.133	0.041

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{m}^3}\right) \left(\frac{\text{ton}}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Fullerton Arpt.	280	14.474	7.859	4.870	1.196	0.403	0.132	0.041
Fullerton Arpt.	290	11.838	6.284	3.871	0.964	0.363	0.130	0.040
Fullerton Arpt.	300	9.894	5.359	3.320	0.872	0.349	0.128	0.040
Fullerton Arpt.	310	9.050	5.052	3.162	0.842	0.344	0.128	0.039
Fullerton Arpt.	320	9.009	5.099	3.215	0.853	0.348	0.129	0.040
Fullerton Arpt.	330	9.506	5.418	3.397	0.893	0.356	0.131	0.040
Fullerton Arpt.	340	10.532	5.925	3.686	0.937	0.365	0.135	0.041
Fullerton Arpt.	350	12.203	6.577	4.133	1.008	0.378	0.139	0.043
Fullerton Arpt.	360	13.822	7.360	4.577	1.058	0.387	0.145	0.044
Hawthorne Arpt.	10	6.695	3.721	2.327	0.625	0.278	0.111	0.034
Hawthorne Arpt.	20	7.007	3.947	2.476	0.669	0.289	0.113	0.035
Hawthorne Arpt.	30	7.848	4.366	2.757	0.746	0.308	0.116	0.035
Hawthorne Arpt.	40	9.469	5.138	3.243	0.855	0.338	0.123	0.037
Hawthorne Arpt.	50	11.988	6.463	4.037	1.042	0.390	0.135	0.040
Hawthorne Arpt.	60	14.989	8.157	5.100	1.298	0.461	0.152	0.045
Hawthorne Arpt.	70	17.412	9.442	5.943	1.496	0.514	0.166	0.050
Hawthorne Arpt.	80	19.192	10.158	6.166	1.482	0.514	0.171	0.051
Hawthorne Arpt.	90	19.151	10.265	6.277	1.537	0.504	0.163	0.049
Hawthorne Arpt.	100	17.449	9.515	6.038	1.559	0.499	0.150	0.045
Hawthorne Arpt.	110	14.714	8.137	5.188	1.304	0.429	0.135	0.041
Hawthorne Arpt.	120	12.269	6.718	4.176	1.036	0.367	0.123	0.037
Hawthorne Arpt.	130	10.777	6.047	3.828	0.966	0.345	0.117	0.036
Hawthorne Arpt.	140	10.384	5.979	3.848	0.970	0.341	0.113	0.035
Hawthorne Arpt.	150	10.382	6.063	3.869	0.978	0.339	0.112	0.035
Hawthorne Arpt.	160	10.399	6.018	3.784	0.924	0.322	0.111	0.034
Hawthorne Arpt.	170	10.431	5.857	3.684	0.863	0.305	0.110	0.034
Hawthorne Arpt.	180	10.290	5.696	3.579	0.811	0.291	0.110	0.034
Hawthorne Arpt.	190	10.080	5.592	3.509	0.818	0.298	0.110	0.034
Hawthorne Arpt.	200	9.865	5.546	3.463	0.850	0.310	0.110	0.034
Hawthorne Arpt.	210	9.881	5.492	3.462	0.875	0.317	0.110	0.034
Hawthorne Arpt.	220	9.996	5.532	3.492	0.881	0.320	0.110	0.034
Hawthorne Arpt.	230	10.104	5.625	3.537	0.905	0.325	0.111	0.034
Hawthorne Arpt.	240	10.253	5.658	3.556	0.919	0.330	0.112	0.034
Hawthorne Arpt.	250	10.317	5.623	3.529	0.906	0.329	0.113	0.035
Hawthorne Arpt.	260	10.414	5.599	3.462	0.889	0.328	0.114	0.035

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Hawthorne Arpt.	270	10.229	5.537	3.447	0.898	0.329	0.116	0.036
Hawthorne Arpt.	280	9.829	5.294	3.290	0.861	0.327	0.117	0.036
Hawthorne Arpt.	290	9.225	4.941	3.069	0.800	0.317	0.117	0.036
Hawthorne Arpt.	300	8.654	4.633	2.873	0.766	0.313	0.117	0.036
Hawthorne Arpt.	310	8.207	4.436	2.749	0.741	0.307	0.116	0.036
Hawthorne Arpt.	320	7.859	4.243	2.649	0.716	0.302	0.115	0.035
Hawthorne Arpt.	330	7.481	4.077	2.523	0.691	0.295	0.114	0.035
Hawthorne Arpt.	340	7.093	3.883	2.398	0.654	0.286	0.113	0.035
Hawthorne Arpt.	350	6.802	3.721	2.306	0.622	0.278	0.112	0.035
Hawthorne Arpt.	360	6.651	3.649	2.268	0.608	0.274	0.111	0.034
John Wayne Int'l Arpt.	10	11.525	6.411	4.142	1.132	0.452	0.169	0.051
John Wayne Int'l Arpt.	20	14.281	8.138	5.275	1.439	0.552	0.197	0.060
John Wayne Int'l Arpt.	30	16.806	9.540	6.213	1.722	0.636	0.220	0.067
John Wayne Int'l Arpt.	40	18.225	10.207	6.649	1.810	0.667	0.225	0.068
John Wayne Int'l Arpt.	50	18.231	10.236	6.605	1.811	0.653	0.215	0.065
John Wayne Int'l Arpt.	60	17.285	9.760	6.321	1.722	0.609	0.196	0.059
John Wayne Int'l Arpt.	70	15.501	8.727	5.684	1.566	0.545	0.172	0.052
John Wayne Int'l Arpt.	80	13.046	7.287	4.670	1.275	0.454	0.147	0.044
John Wayne Int'l Arpt.	90	10.337	5.773	3.713	1.026	0.372	0.126	0.038
John Wayne Int'l Arpt.	100	8.135	4.624	2.980	0.830	0.317	0.111	0.034
John Wayne Int'l Arpt.	110	6.707	3.918	2.550	0.717	0.284	0.103	0.031
John Wayne Int'l Arpt.	120	6.000	3.578	2.322	0.659	0.267	0.098	0.030
John Wayne Int'l Arpt.	130	5.746	3.436	2.215	0.624	0.257	0.096	0.030
John Wayne Int'l Arpt.	140	5.747	3.397	2.187	0.614	0.255	0.095	0.030
John Wayne Int'l Arpt.	150	5.826	3.448	2.217	0.622	0.253	0.094	0.029
John Wayne Int'l Arpt.	160	5.984	3.481	2.237	0.617	0.250	0.094	0.029
John Wayne Int'l Arpt.	170	6.380	3.572	2.283	0.601	0.244	0.094	0.029
John Wayne Int'l Arpt.	180	7.017	3.871	2.478	0.625	0.245	0.095	0.029
John Wayne Int'l Arpt.	190	7.824	4.383	2.817	0.722	0.268	0.098	0.030
John Wayne Int'l Arpt.	200	8.397	4.847	3.139	0.830	0.296	0.102	0.032
John Wayne Int'l Arpt.	210	8.555	4.942	3.241	0.891	0.316	0.105	0.033
John Wayne Int'l Arpt.	220	8.254	4.683	3.041	0.828	0.309	0.107	0.033
John Wayne Int'l Arpt.	230	7.711	4.374	2.820	0.787	0.302	0.107	0.033
John Wayne Int'l Arpt.	240	7.328	4.169	2.703	0.767	0.299	0.106	0.033
John Wayne Int'l Arpt.	250	7.183	4.089	2.653	0.751	0.296	0.106	0.033

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
John Wayne Int'l Arpt.	260	7.266	4.123	2.675	0.769	0.301	0.108	0.033
John Wayne Int'l Arpt.	270	7.454	4.208	2.720	0.783	0.307	0.112	0.034
John Wayne Int'l Arpt.	280	7.790	4.403	2.830	0.811	0.324	0.118	0.037
John Wayne Int'l Arpt.	290	8.107	4.674	3.067	0.895	0.350	0.125	0.039
John Wayne Int'l Arpt.	300	8.201	4.791	3.140	0.912	0.360	0.130	0.041
John Wayne Int'l Arpt.	310	8.015	4.673	3.047	0.887	0.357	0.130	0.041
John Wayne Int'l Arpt.	320	7.684	4.487	2.943	0.852	0.349	0.128	0.040
John Wayne Int'l Arpt.	330	7.406	4.428	2.898	0.840	0.344	0.127	0.039
John Wayne Int'l Arpt.	340	7.320	4.434	2.930	0.833	0.341	0.128	0.039
John Wayne Int'l Arpt.	350	7.809	4.562	3.035	0.854	0.349	0.133	0.041
John Wayne Int'l Arpt.	360	9.135	5.101	3.361	0.914	0.375	0.146	0.044
Lake Elsinore	10	13.087	6.683	4.001	0.955	0.393	0.153	0.047
Lake Elsinore	20	12.293	6.385	3.835	0.976	0.405	0.155	0.048
Lake Elsinore	30	12.494	6.498	3.927	1.020	0.419	0.158	0.049
Lake Elsinore	40	13.106	6.925	4.207	1.073	0.436	0.163	0.050
Lake Elsinore	50	13.688	7.373	4.505	1.155	0.454	0.166	0.051
Lake Elsinore	60	13.972	7.539	4.630	1.189	0.461	0.166	0.051
Lake Elsinore	70	13.694	7.261	4.441	1.148	0.452	0.163	0.050
Lake Elsinore	80	12.965	6.747	4.094	1.064	0.429	0.159	0.049
Lake Elsinore	90	12.377	6.459	3.929	1.024	0.415	0.156	0.048
Lake Elsinore	100	12.618	6.605	4.025	1.040	0.417	0.155	0.048
Lake Elsinore	110	13.761	7.255	4.445	1.126	0.433	0.156	0.048
Lake Elsinore	120	15.717	8.400	5.156	1.274	0.460	0.158	0.049
Lake Elsinore	130	18.015	9.791	6.095	1.498	0.499	0.159	0.049
Lake Elsinore	140	19.793	10.852	6.903	1.695	0.539	0.160	0.049
Lake Elsinore	150	20.504	11.290	7.084	1.723	0.535	0.159	0.049
Lake Elsinore	160	20.017	10.910	6.793	1.588	0.499	0.157	0.049
Lake Elsinore	170	18.792	10.040	6.234	1.399	0.453	0.155	0.048
Lake Elsinore	180	16.982	8.964	5.517	1.201	0.413	0.154	0.048
Lake Elsinore	190	14.902	7.925	4.893	1.121	0.413	0.153	0.047
Lake Elsinore	200	13.094	7.092	4.336	1.071	0.412	0.152	0.047
Lake Elsinore	210	11.834	6.383	3.937	1.015	0.405	0.151	0.047
Lake Elsinore	220	10.958	5.901	3.636	0.957	0.397	0.151	0.047
Lake Elsinore	230	10.319	5.572	3.402	0.914	0.389	0.150	0.047
Lake Elsinore	240	9.932	5.339	3.250	0.880	0.383	0.150	0.047



**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Lake Elsinore	250	9.643	5.204	3.177	0.866	0.381	0.149	0.047
Lake Elsinore	260	9.579	5.160	3.160	0.866	0.380	0.149	0.047
Lake Elsinore	270	9.687	5.197	3.184	0.871	0.379	0.149	0.046
Lake Elsinore	280	10.126	5.336	3.263	0.882	0.382	0.149	0.047
Lake Elsinore	290	11.168	5.743	3.477	0.913	0.388	0.150	0.047
Lake Elsinore	300	13.279	6.739	4.031	1.002	0.403	0.151	0.047
Lake Elsinore	310	16.405	8.527	5.181	1.247	0.444	0.153	0.048
Lake Elsinore	320	19.375	10.494	6.661	1.627	0.519	0.155	0.048
Lake Elsinore	330	20.844	11.671	7.449	1.850	0.553	0.155	0.048
Lake Elsinore	340	20.200	11.088	6.946	1.659	0.508	0.154	0.048
Lake Elsinore	350	17.924	9.390	5.695	1.270	0.430	0.153	0.048
Lake Elsinore	360	15.143	7.633	4.561	1.016	0.392	0.152	0.047
Long Beach Arpt.	10	10.121	5.456	3.439	0.884	0.363	0.138	0.041
Long Beach Arpt.	20	9.056	4.959	3.080	0.815	0.345	0.131	0.039
Long Beach Arpt.	30	7.841	4.267	2.672	0.731	0.317	0.122	0.036
Long Beach Arpt.	40	6.684	3.742	2.368	0.664	0.293	0.113	0.034
Long Beach Arpt.	50	5.843	3.440	2.184	0.624	0.278	0.109	0.033
Long Beach Arpt.	60	5.507	3.289	2.109	0.613	0.275	0.108	0.033
Long Beach Arpt.	70	5.587	3.320	2.156	0.630	0.281	0.110	0.034
Long Beach Arpt.	80	6.197	3.594	2.336	0.687	0.300	0.115	0.035
Long Beach Arpt.	90	7.578	4.187	2.717	0.808	0.340	0.128	0.038
Long Beach Arpt.	100	10.431	5.478	3.422	0.998	0.415	0.154	0.045
Long Beach Arpt.	110	14.532	7.973	5.053	1.359	0.526	0.189	0.058
Long Beach Arpt.	120	18.118	10.657	7.069	1.956	0.671	0.215	0.069
Long Beach Arpt.	130	19.057	11.334	7.581	2.125	0.701	0.212	0.069
Long Beach Arpt.	140	16.868	9.558	6.227	1.649	0.569	0.183	0.057
Long Beach Arpt.	150	13.190	7.209	4.589	1.257	0.447	0.147	0.044
Long Beach Arpt.	160	9.980	5.532	3.566	0.956	0.351	0.122	0.036
Long Beach Arpt.	170	7.954	4.457	2.882	0.745	0.289	0.109	0.033
Long Beach Arpt.	180	6.732	3.845	2.491	0.638	0.261	0.103	0.032
Long Beach Arpt.	190	6.107	3.618	2.348	0.617	0.257	0.100	0.031
Long Beach Arpt.	200	5.936	3.618	2.338	0.632	0.261	0.099	0.031
Long Beach Arpt.	210	6.157	3.703	2.385	0.657	0.266	0.099	0.031
Long Beach Arpt.	220	6.709	3.897	2.493	0.677	0.271	0.100	0.031
Long Beach Arpt.	230	7.484	4.267	2.719	0.731	0.283	0.102	0.031

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Long Beach Arpt.	240	8.497	4.821	3.078	0.819	0.301	0.104	0.032
Long Beach Arpt.	250	9.445	5.395	3.488	0.931	0.326	0.106	0.033
Long Beach Arpt.	260	10.100	5.724	3.674	0.972	0.334	0.107	0.033
Long Beach Arpt.	270	10.166	5.704	3.638	0.958	0.327	0.108	0.033
Long Beach Arpt.	280	9.877	5.508	3.508	0.933	0.329	0.110	0.034
Long Beach Arpt.	290	9.471	5.349	3.441	0.926	0.334	0.113	0.035
Long Beach Arpt.	300	9.214	5.269	3.411	0.932	0.343	0.117	0.036
Long Beach Arpt.	310	9.129	5.235	3.386	0.930	0.349	0.121	0.037
Long Beach Arpt.	320	9.295	5.250	3.398	0.927	0.358	0.126	0.039
Long Beach Arpt.	330	9.596	5.508	3.545	0.963	0.369	0.131	0.040
Long Beach Arpt.	340	9.947	5.684	3.651	0.988	0.378	0.135	0.042
Long Beach Arpt.	350	10.498	5.645	3.599	0.939	0.370	0.138	0.042
Long Beach Arpt.	360	10.699	5.627	3.514	0.882	0.360	0.140	0.042
Los Angeles Int'l Arpt.	10	4.908	2.920	1.903	0.522	0.223	0.088	0.027
Los Angeles Int'l Arpt.	20	5.095	3.040	1.976	0.557	0.234	0.089	0.028
Los Angeles Int'l Arpt.	30	5.625	3.270	2.146	0.616	0.253	0.094	0.029
Los Angeles Int'l Arpt.	40	6.927	3.848	2.530	0.733	0.299	0.108	0.032
Los Angeles Int'l Arpt.	50	9.539	5.202	3.349	0.964	0.389	0.139	0.040
Los Angeles Int'l Arpt.	60	13.907	7.564	4.816	1.373	0.536	0.188	0.056
Los Angeles Int'l Arpt.	70	18.022	10.315	6.698	1.858	0.694	0.238	0.074
Los Angeles Int'l Arpt.	80	19.132	11.123	7.248	2.023	0.745	0.254	0.080
Los Angeles Int'l Arpt.	90	16.063	8.972	5.667	1.571	0.605	0.219	0.066
Los Angeles Int'l Arpt.	100	11.044	5.695	3.479	1.025	0.437	0.162	0.047
Los Angeles Int'l Arpt.	110	6.917	3.785	2.520	0.772	0.326	0.120	0.035
Los Angeles Int'l Arpt.	120	5.401	3.210	2.143	0.635	0.269	0.100	0.030
Los Angeles Int'l Arpt.	130	5.089	3.065	2.012	0.583	0.248	0.094	0.029
Los Angeles Int'l Arpt.	140	5.091	3.062	2.014	0.584	0.246	0.093	0.029
Los Angeles Int'l Arpt.	150	5.068	3.070	2.000	0.580	0.242	0.092	0.029
Los Angeles Int'l Arpt.	160	4.993	2.990	1.926	0.549	0.235	0.091	0.028
Los Angeles Int'l Arpt.	170	4.974	2.875	1.857	0.526	0.228	0.090	0.028
Los Angeles Int'l Arpt.	180	4.999	2.861	1.858	0.511	0.223	0.090	0.028
Los Angeles Int'l Arpt.	190	5.109	2.976	1.938	0.538	0.230	0.091	0.028
Los Angeles Int'l Arpt.	200	5.400	3.177	2.058	0.580	0.241	0.092	0.028
Los Angeles Int'l Arpt.	210	5.966	3.496	2.273	0.638	0.255	0.095	0.029
Los Angeles Int'l Arpt.	220	6.782	3.953	2.586	0.717	0.275	0.098	0.030

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Los Angeles Int'l Arpt.	230	7.720	4.521	2.956	0.812	0.297	0.101	0.031
Los Angeles Int'l Arpt.	240	8.870	5.101	3.327	0.902	0.319	0.105	0.032
Los Angeles Int'l Arpt.	250	10.140	5.756	3.745	1.006	0.344	0.109	0.034
Los Angeles Int'l Arpt.	260	11.449	6.505	4.196	1.113	0.368	0.114	0.035
Los Angeles Int'l Arpt.	270	11.919	6.843	4.455	1.196	0.380	0.117	0.037
Los Angeles Int'l Arpt.	280	11.193	6.393	4.119	1.093	0.364	0.116	0.036
Los Angeles Int'l Arpt.	290	9.588	5.418	3.513	0.944	0.333	0.111	0.034
Los Angeles Int'l Arpt.	300	7.980	4.532	2.927	0.795	0.299	0.104	0.032
Los Angeles Int'l Arpt.	310	6.799	3.911	2.523	0.697	0.274	0.099	0.030
Los Angeles Int'l Arpt.	320	6.021	3.506	2.283	0.630	0.256	0.095	0.029
Los Angeles Int'l Arpt.	330	5.482	3.238	2.093	0.591	0.244	0.091	0.028
Los Angeles Int'l Arpt.	340	5.079	3.020	1.945	0.538	0.230	0.089	0.027
Los Angeles Int'l Arpt.	350	4.883	2.876	1.857	0.514	0.221	0.087	0.027
Los Angeles Int'l Arpt.	360	4.833	2.862	1.853	0.502	0.216	0.087	0.027
Mission Viejo	10	16.344	8.682	5.353	1.202	0.425	0.152	0.046
Mission Viejo	20	15.525	8.320	5.036	1.183	0.432	0.153	0.047
Mission Viejo	30	14.877	7.915	4.842	1.181	0.436	0.154	0.047
Mission Viejo	40	14.352	7.635	4.698	1.157	0.435	0.153	0.047
Mission Viejo	50	13.879	7.404	4.502	1.123	0.428	0.152	0.046
Mission Viejo	60	13.520	7.108	4.320	1.085	0.419	0.150	0.046
Mission Viejo	70	13.233	6.880	4.183	1.052	0.412	0.149	0.045
Mission Viejo	80	13.276	6.821	4.103	1.037	0.408	0.148	0.045
Mission Viejo	90	13.407	6.912	4.176	1.055	0.407	0.148	0.045
Mission Viejo	100	13.581	7.055	4.274	1.080	0.413	0.149	0.045
Mission Viejo	110	13.499	7.093	4.349	1.102	0.418	0.149	0.045
Mission Viejo	120	13.018	6.905	4.247	1.092	0.417	0.148	0.045
Mission Viejo	130	12.057	6.402	3.948	1.036	0.406	0.146	0.045
Mission Viejo	140	10.756	5.660	3.469	0.915	0.382	0.145	0.044
Mission Viejo	150	9.319	4.912	2.979	0.806	0.360	0.143	0.044
Mission Viejo	160	8.192	4.377	2.666	0.743	0.348	0.141	0.044
Mission Viejo	170	7.556	4.102	2.518	0.714	0.341	0.141	0.044
Mission Viejo	180	7.482	4.074	2.507	0.707	0.339	0.140	0.043
Mission Viejo	190	8.023	4.327	2.645	0.729	0.342	0.140	0.043
Mission Viejo	200	9.348	4.977	3.024	0.792	0.351	0.141	0.044
Mission Viejo	210	11.391	6.120	3.744	0.952	0.377	0.141	0.044

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Mission Viejo	220	13.828	7.585	4.767	1.197	0.423	0.142	0.044
Mission Viejo	230	16.038	8.947	5.666	1.412	0.460	0.142	0.044
Mission Viejo	240	17.703	9.810	6.175	1.514	0.477	0.142	0.044
Mission Viejo	250	18.448	10.159	6.385	1.543	0.482	0.142	0.044
Mission Viejo	260	18.688	10.195	6.345	1.527	0.475	0.142	0.044
Mission Viejo	270	18.312	9.997	6.229	1.507	0.466	0.142	0.044
Mission Viejo	280	17.601	9.602	5.969	1.441	0.460	0.142	0.044
Mission Viejo	290	16.665	9.158	5.726	1.382	0.452	0.142	0.044
Mission Viejo	300	15.929	8.839	5.514	1.342	0.447	0.143	0.044
Mission Viejo	310	15.441	8.625	5.403	1.331	0.447	0.143	0.044
Mission Viejo	320	15.301	8.485	5.332	1.295	0.443	0.144	0.044
Mission Viejo	330	15.420	8.563	5.301	1.279	0.437	0.145	0.045
Mission Viejo	340	15.770	8.721	5.397	1.279	0.436	0.146	0.045
Mission Viejo	350	16.476	8.880	5.510	1.249	0.422	0.148	0.045
Mission Viejo	360	16.747	8.928	5.507	1.191	0.407	0.150	0.046
Ontario Arpt.	10	5.661	3.155	1.999	0.546	0.236	0.092	0.028
Ontario Arpt.	20	6.348	3.566	2.275	0.636	0.268	0.101	0.031
Ontario Arpt.	30	7.466	4.113	2.647	0.763	0.316	0.116	0.035
Ontario Arpt.	40	9.456	5.031	3.236	0.949	0.400	0.145	0.042
Ontario Arpt.	50	12.886	6.924	4.381	1.288	0.546	0.200	0.058
Ontario Arpt.	60	17.544	9.881	6.378	1.854	0.747	0.270	0.083
Ontario Arpt.	70	20.749	12.202	8.120	2.389	0.908	0.315	0.101
Ontario Arpt.	80	19.996	11.599	7.581	2.216	0.850	0.297	0.094
Ontario Arpt.	90	15.632	8.605	5.452	1.596	0.635	0.231	0.069
Ontario Arpt.	100	10.805	5.756	3.667	1.112	0.457	0.164	0.048
Ontario Arpt.	110	7.546	4.256	2.831	0.852	0.345	0.124	0.037
Ontario Arpt.	120	6.142	3.610	2.381	0.696	0.287	0.105	0.032
Ontario Arpt.	130	5.647	3.375	2.211	0.645	0.267	0.098	0.030
Ontario Arpt.	140	5.575	3.359	2.208	0.631	0.260	0.096	0.030
Ontario Arpt.	150	5.634	3.451	2.265	0.650	0.262	0.096	0.030
Ontario Arpt.	160	5.783	3.503	2.292	0.644	0.259	0.097	0.030
Ontario Arpt.	170	6.190	3.581	2.346	0.641	0.257	0.098	0.031
Ontario Arpt.	180	6.807	3.850	2.523	0.661	0.262	0.102	0.032
Ontario Arpt.	190	7.696	4.344	2.831	0.753	0.289	0.108	0.033
Ontario Arpt.	200	8.712	5.046	3.303	0.900	0.330	0.115	0.036

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Ontario Arpt.	210	9.731	5.696	3.760	1.050	0.368	0.122	0.038
Ontario Arpt.	220	10.296	6.001	3.992	1.102	0.383	0.124	0.039
Ontario Arpt.	230	10.130	5.898	3.880	1.081	0.374	0.119	0.037
Ontario Arpt.	240	9.553	5.475	3.573	0.981	0.343	0.110	0.034
Ontario Arpt.	250	8.866	5.031	3.275	0.896	0.315	0.101	0.031
Ontario Arpt.	260	8.244	4.676	3.023	0.829	0.291	0.094	0.029
Ontario Arpt.	270	7.533	4.274	2.758	0.752	0.264	0.088	0.027
Ontario Arpt.	280	6.770	3.837	2.462	0.667	0.246	0.085	0.026
Ontario Arpt.	290	6.075	3.468	2.231	0.615	0.235	0.083	0.026
Ontario Arpt.	300	5.601	3.216	2.061	0.571	0.226	0.081	0.025
Ontario Arpt.	310	5.313	3.054	1.953	0.543	0.220	0.081	0.025
Ontario Arpt.	320	5.156	2.958	1.888	0.525	0.217	0.081	0.025
Ontario Arpt.	330	5.038	2.911	1.850	0.519	0.216	0.081	0.025
Ontario Arpt.	340	4.954	2.861	1.820	0.505	0.213	0.082	0.025
Ontario Arpt.	350	4.995	2.847	1.809	0.495	0.212	0.083	0.026
Ontario Arpt.	360	5.211	2.919	1.853	0.499	0.217	0.087	0.027
Palm Springs Arpt.	10	6.254	3.492	2.215	0.560	0.217	0.081	0.025
Palm Springs Arpt.	20	6.171	3.519	2.220	0.576	0.222	0.081	0.025
Palm Springs Arpt.	30	6.249	3.573	2.280	0.607	0.229	0.081	0.025
Palm Springs Arpt.	40	6.440	3.692	2.377	0.635	0.238	0.083	0.025
Palm Springs Arpt.	50	6.736	3.891	2.501	0.671	0.249	0.085	0.026
Palm Springs Arpt.	60	7.317	4.213	2.715	0.731	0.267	0.090	0.027
Palm Springs Arpt.	70	8.203	4.712	3.068	0.832	0.296	0.097	0.030
Palm Springs Arpt.	80	9.355	5.344	3.470	0.943	0.328	0.106	0.033
Palm Springs Arpt.	90	10.382	5.916	3.849	1.058	0.361	0.117	0.036
Palm Springs Arpt.	100	11.300	6.391	4.155	1.159	0.407	0.133	0.040
Palm Springs Arpt.	110	12.374	6.957	4.595	1.313	0.473	0.157	0.047
Palm Springs Arpt.	120	14.132	7.960	5.187	1.494	0.561	0.191	0.058
Palm Springs Arpt.	130	15.928	9.199	6.030	1.718	0.650	0.226	0.071
Palm Springs Arpt.	140	16.177	9.541	6.378	1.822	0.689	0.240	0.077
Palm Springs Arpt.	150	14.037	8.198	5.370	1.570	0.609	0.217	0.069
Palm Springs Arpt.	160	10.440	5.726	3.643	1.058	0.447	0.171	0.052
Palm Springs Arpt.	170	7.179	3.779	2.404	0.732	0.325	0.126	0.037
Palm Springs Arpt.	180	5.289	2.912	1.907	0.557	0.249	0.098	0.029
Palm Springs Arpt.	190	4.555	2.622	1.706	0.485	0.217	0.085	0.026

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Palm Springs Arpt.	200	4.315	2.512	1.598	0.451	0.204	0.081	0.025
Palm Springs Arpt.	210	4.277	2.461	1.553	0.442	0.200	0.079	0.024
Palm Springs Arpt.	220	4.306	2.438	1.533	0.438	0.198	0.078	0.024
Palm Springs Arpt.	230	4.409	2.457	1.529	0.435	0.198	0.078	0.024
Palm Springs Arpt.	240	4.676	2.553	1.590	0.452	0.203	0.079	0.024
Palm Springs Arpt.	250	5.120	2.768	1.734	0.490	0.215	0.083	0.025
Palm Springs Arpt.	260	5.990	3.123	1.925	0.538	0.231	0.088	0.026
Palm Springs Arpt.	270	7.011	3.656	2.225	0.602	0.251	0.095	0.029
Palm Springs Arpt.	280	7.893	4.169	2.552	0.684	0.276	0.101	0.031
Palm Springs Arpt.	290	8.306	4.418	2.742	0.725	0.287	0.104	0.031
Palm Springs Arpt.	300	8.268	4.383	2.699	0.713	0.284	0.102	0.030
Palm Springs Arpt.	310	7.914	4.212	2.607	0.693	0.273	0.097	0.029
Palm Springs Arpt.	320	7.517	4.021	2.529	0.671	0.263	0.093	0.028
Palm Springs Arpt.	330	7.129	3.921	2.461	0.649	0.250	0.089	0.027
Palm Springs Arpt.	340	6.805	3.797	2.390	0.626	0.240	0.086	0.026
Palm Springs Arpt.	350	6.619	3.646	2.300	0.583	0.224	0.084	0.026
Palm Springs Arpt.	360	6.443	3.525	2.222	0.546	0.213	0.082	0.025
Perris	10	18.023	9.480	5.810	1.266	0.432	0.154	0.048
Perris	20	16.116	8.682	5.305	1.264	0.443	0.152	0.047
Perris	30	14.541	7.842	4.855	1.206	0.434	0.151	0.047
Perris	40	13.078	7.038	4.351	1.090	0.415	0.149	0.046
Perris	50	11.763	6.359	3.879	0.996	0.397	0.147	0.046
Perris	60	10.737	5.818	3.555	0.935	0.386	0.146	0.046
Perris	70	10.065	5.446	3.338	0.896	0.380	0.145	0.045
Perris	80	9.767	5.271	3.223	0.863	0.371	0.145	0.045
Perris	90	9.817	5.298	3.254	0.877	0.373	0.145	0.045
Perris	100	10.304	5.534	3.404	0.914	0.384	0.146	0.046
Perris	110	11.363	6.046	3.722	0.978	0.400	0.150	0.046
Perris	120	13.177	6.962	4.291	1.110	0.435	0.157	0.048
Perris	130	15.772	8.344	5.147	1.315	0.488	0.169	0.052
Perris	140	18.317	9.850	6.226	1.564	0.553	0.183	0.056
Perris	150	19.734	10.893	6.896	1.754	0.592	0.191	0.059
Perris	160	19.512	10.643	6.633	1.631	0.561	0.189	0.058
Perris	170	17.839	9.353	5.754	1.374	0.495	0.180	0.056
Perris	180	15.286	7.858	4.826	1.141	0.440	0.169	0.052

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{m}^3}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Perris	190	12.981	6.751	4.170	1.025	0.418	0.161	0.050
Perris	200	11.455	6.143	3.766	0.977	0.406	0.156	0.048
Perris	210	10.769	5.789	3.570	0.952	0.399	0.153	0.047
Perris	220	10.462	5.629	3.465	0.929	0.394	0.151	0.047
Perris	230	10.286	5.537	3.388	0.914	0.390	0.150	0.047
Perris	240	10.240	5.450	3.324	0.897	0.385	0.149	0.046
Perris	250	10.193	5.414	3.295	0.886	0.380	0.147	0.046
Perris	260	10.304	5.449	3.320	0.892	0.379	0.146	0.045
Perris	270	10.540	5.578	3.401	0.907	0.377	0.145	0.045
Perris	280	10.991	5.789	3.520	0.928	0.381	0.144	0.045
Perris	290	11.682	6.142	3.731	0.962	0.387	0.145	0.045
Perris	300	12.851	6.762	4.097	1.030	0.399	0.145	0.045
Perris	310	14.635	7.724	4.716	1.160	0.423	0.147	0.046
Perris	320	16.797	8.941	5.570	1.351	0.461	0.149	0.046
Perris	330	18.971	10.289	6.394	1.538	0.493	0.152	0.047
Perris	340	20.523	11.222	6.954	1.609	0.498	0.155	0.048
Perris	350	20.930	11.256	6.993	1.539	0.473	0.156	0.049
Perris	360	19.950	10.481	6.392	1.327	0.428	0.155	0.048
Pico Rivera	10	16.929	8.880	5.436	1.181	0.395	0.137	0.041
Pico Rivera	20	17.595	9.295	5.643	1.273	0.422	0.139	0.042
Pico Rivera	30	18.144	9.434	5.766	1.330	0.436	0.141	0.042
Pico Rivera	40	18.117	9.517	5.883	1.370	0.449	0.141	0.042
Pico Rivera	50	17.029	9.184	5.700	1.391	0.454	0.140	0.042
Pico Rivera	60	15.126	8.110	5.002	1.216	0.418	0.136	0.041
Pico Rivera	70	12.677	6.570	3.975	0.964	0.366	0.131	0.040
Pico Rivera	80	10.282	5.219	3.120	0.798	0.332	0.126	0.038
Pico Rivera	90	8.471	4.422	2.691	0.720	0.314	0.123	0.038
Pico Rivera	100	7.563	4.065	2.495	0.684	0.306	0.121	0.037
Pico Rivera	110	7.226	3.932	2.428	0.673	0.304	0.121	0.037
Pico Rivera	120	7.142	3.890	2.391	0.667	0.302	0.120	0.037
Pico Rivera	130	7.072	3.860	2.369	0.660	0.301	0.120	0.037
Pico Rivera	140	6.953	3.820	2.351	0.657	0.300	0.120	0.037
Pico Rivera	150	6.756	3.745	2.313	0.656	0.300	0.120	0.037
Pico Rivera	160	6.548	3.616	2.239	0.634	0.295	0.120	0.037
Pico Rivera	170	6.519	3.506	2.164	0.611	0.291	0.120	0.037

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Pico Rivera	180	7.006	3.634	2.209	0.608	0.290	0.120	0.037
Pico Rivera	190	8.728	4.335	2.558	0.649	0.295	0.120	0.037
Pico Rivera	200	11.448	5.848	3.480	0.819	0.320	0.121	0.037
Pico Rivera	210	14.162	7.685	4.779	1.179	0.383	0.122	0.038
Pico Rivera	220	15.947	8.883	5.714	1.422	0.433	0.123	0.038
Pico Rivera	230	16.099	8.862	5.585	1.369	0.422	0.123	0.038
Pico Rivera	240	14.811	7.846	4.824	1.140	0.380	0.123	0.038
Pico Rivera	250	12.878	6.700	4.073	0.965	0.351	0.122	0.038
Pico Rivera	260	11.368	5.960	3.613	0.891	0.338	0.122	0.037
Pico Rivera	270	10.409	5.574	3.421	0.867	0.333	0.121	0.037
Pico Rivera	280	9.948	5.388	3.302	0.839	0.328	0.121	0.037
Pico Rivera	290	9.702	5.331	3.273	0.829	0.328	0.121	0.037
Pico Rivera	300	9.735	5.388	3.295	0.839	0.331	0.121	0.037
Pico Rivera	310	10.082	5.550	3.389	0.856	0.335	0.122	0.038
Pico Rivera	320	10.670	5.833	3.590	0.887	0.342	0.123	0.038
Pico Rivera	330	11.457	6.305	3.864	0.949	0.353	0.125	0.038
Pico Rivera	340	12.499	6.854	4.190	0.993	0.361	0.127	0.039
Pico Rivera	350	14.128	7.450	4.570	1.018	0.361	0.130	0.039
Pico Rivera	360	15.780	8.178	4.987	1.049	0.361	0.133	0.040
Redlands	10	7.976	4.634	2.840	0.782	0.363	0.149	0.046
Redlands	20	8.472	4.687	2.849	0.790	0.366	0.149	0.046
Redlands	30	8.843	4.768	2.910	0.809	0.370	0.149	0.046
Redlands	40	9.152	4.914	3.016	0.834	0.376	0.150	0.047
Redlands	50	9.820	5.187	3.181	0.871	0.386	0.151	0.047
Redlands	60	11.354	5.762	3.490	0.935	0.403	0.156	0.048
Redlands	70	14.066	6.998	4.178	1.063	0.435	0.163	0.050
Redlands	80	18.074	9.144	5.454	1.324	0.487	0.171	0.052
Redlands	90	21.113	11.126	6.852	1.707	0.554	0.176	0.054
Redlands	100	21.850	11.587	7.136	1.758	0.569	0.176	0.054
Redlands	110	20.042	10.349	6.345	1.544	0.523	0.170	0.052
Redlands	120	17.069	8.689	5.252	1.291	0.473	0.163	0.050
Redlands	130	14.290	7.287	4.428	1.126	0.437	0.157	0.048
Redlands	140	12.179	6.236	3.799	0.988	0.406	0.153	0.047
Redlands	150	10.623	5.498	3.325	0.889	0.385	0.151	0.047
Redlands	160	9.590	5.010	3.029	0.824	0.372	0.149	0.046



**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Redlands	170	8.979	4.715	2.852	0.783	0.363	0.149	0.046
Redlands	180	8.671	4.554	2.761	0.763	0.359	0.148	0.046
Redlands	190	8.438	4.512	2.738	0.765	0.361	0.148	0.046
Redlands	200	8.006	4.528	2.761	0.778	0.365	0.149	0.046
Redlands	210	7.755	4.601	2.839	0.800	0.370	0.150	0.047
Redlands	220	7.971	4.740	2.968	0.831	0.377	0.151	0.047
Redlands	230	8.689	4.960	3.114	0.858	0.382	0.151	0.047
Redlands	240	10.588	5.523	3.363	0.900	0.388	0.151	0.047
Redlands	250	14.273	7.128	4.099	0.974	0.399	0.151	0.047
Redlands	260	21.578	10.549	6.059	1.201	0.421	0.150	0.047
Redlands	270	30.712	16.466	9.941	2.068	0.535	0.150	0.047
Redlands	280	37.628	21.938	14.366	3.603	0.847	0.152	0.047
Redlands	290	38.370	22.653	15.102	3.889	0.916	0.152	0.046
Redlands	300	32.611	18.028	11.205	2.437	0.615	0.150	0.046
Redlands	310	23.669	11.888	6.922	1.364	0.440	0.149	0.046
Redlands	320	16.063	7.825	4.516	1.010	0.398	0.149	0.046
Redlands	330	11.431	5.885	3.529	0.911	0.385	0.149	0.046
Redlands	340	9.169	5.099	3.161	0.849	0.374	0.149	0.046
Redlands	350	8.239	4.790	2.985	0.806	0.366	0.149	0.046
Redlands	360	7.933	4.665	2.878	0.779	0.361	0.149	0.046
Riverside Arpt.	10	6.357	3.639	2.288	0.613	0.264	0.105	0.033
Riverside Arpt.	20	6.310	3.706	2.336	0.638	0.272	0.105	0.033
Riverside Arpt.	30	6.442	3.819	2.427	0.668	0.280	0.107	0.033
Riverside Arpt.	40	6.745	3.984	2.559	0.705	0.293	0.109	0.034
Riverside Arpt.	50	7.413	4.314	2.781	0.760	0.311	0.115	0.035
Riverside Arpt.	60	9.199	5.012	3.206	0.887	0.359	0.129	0.038
Riverside Arpt.	70	13.463	6.819	4.219	1.126	0.446	0.159	0.046
Riverside Arpt.	80	20.625	11.038	6.721	1.654	0.589	0.200	0.061
Riverside Arpt.	90	25.743	14.771	9.612	2.578	0.786	0.229	0.073
Riverside Arpt.	100	25.145	14.315	9.200	2.349	0.739	0.222	0.070
Riverside Arpt.	110	19.505	10.310	6.423	1.630	0.565	0.185	0.055
Riverside Arpt.	120	13.201	6.887	4.304	1.147	0.428	0.145	0.042
Riverside Arpt.	130	9.196	5.061	3.246	0.883	0.342	0.120	0.035
Riverside Arpt.	140	7.145	4.113	2.648	0.724	0.295	0.109	0.033
Riverside Arpt.	150	6.054	3.619	2.314	0.644	0.276	0.106	0.033

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Riverside Arpt.	160	5.536	3.373	2.156	0.606	0.267	0.106	0.033
Riverside Arpt.	170	5.448	3.289	2.100	0.588	0.265	0.107	0.033
Riverside Arpt.	180	5.739	3.364	2.153	0.597	0.271	0.110	0.034
Riverside Arpt.	190	6.370	3.648	2.325	0.648	0.289	0.115	0.035
Riverside Arpt.	200	7.372	4.109	2.612	0.736	0.319	0.124	0.038
Riverside Arpt.	210	8.992	4.917	3.106	0.874	0.362	0.136	0.041
Riverside Arpt.	220	11.154	6.197	3.979	1.088	0.421	0.151	0.047
Riverside Arpt.	230	13.274	7.585	4.930	1.355	0.487	0.163	0.051
Riverside Arpt.	240	14.706	8.420	5.477	1.485	0.513	0.166	0.053
Riverside Arpt.	250	14.894	8.404	5.440	1.467	0.502	0.159	0.050
Riverside Arpt.	260	14.126	7.830	4.991	1.330	0.454	0.145	0.045
Riverside Arpt.	270	12.798	7.053	4.497	1.194	0.403	0.131	0.040
Riverside Arpt.	280	11.479	6.350	4.050	1.069	0.370	0.121	0.037
Riverside Arpt.	290	10.340	5.802	3.740	0.989	0.346	0.114	0.035
Riverside Arpt.	300	9.542	5.415	3.477	0.921	0.331	0.111	0.034
Riverside Arpt.	310	8.966	5.105	3.269	0.865	0.317	0.109	0.034
Riverside Arpt.	320	8.471	4.818	3.091	0.818	0.308	0.108	0.033
Riverside Arpt.	330	7.946	4.528	2.884	0.780	0.299	0.106	0.033
Riverside Arpt.	340	7.424	4.186	2.644	0.704	0.282	0.105	0.033
Riverside Arpt.	350	6.983	3.859	2.426	0.640	0.268	0.105	0.033
Riverside Arpt.	360	6.615	3.672	2.299	0.603	0.260	0.105	0.032
Santa Monica Arpt.	10	9.279	5.039	3.170	0.803	0.326	0.124	0.038
Santa Monica Arpt.	20	10.948	5.830	3.622	0.927	0.365	0.133	0.040
Santa Monica Arpt.	30	13.763	7.058	4.334	1.106	0.417	0.147	0.043
Santa Monica Arpt.	40	16.856	8.913	5.505	1.349	0.486	0.165	0.049
Santa Monica Arpt.	50	18.698	10.346	6.544	1.662	0.563	0.178	0.053
Santa Monica Arpt.	60	18.443	10.217	6.470	1.639	0.556	0.177	0.053
Santa Monica Arpt.	70	16.029	8.563	5.282	1.312	0.474	0.160	0.047
Santa Monica Arpt.	80	12.608	6.506	3.989	1.047	0.399	0.139	0.041
Santa Monica Arpt.	90	9.678	5.214	3.277	0.877	0.344	0.125	0.038
Santa Monica Arpt.	100	8.248	4.610	2.923	0.786	0.318	0.119	0.036
Santa Monica Arpt.	110	7.741	4.435	2.828	0.765	0.312	0.116	0.036
Santa Monica Arpt.	120	7.727	4.477	2.842	0.769	0.311	0.116	0.036
Santa Monica Arpt.	130	7.864	4.586	2.901	0.785	0.314	0.116	0.036
Santa Monica Arpt.	140	8.083	4.689	2.987	0.797	0.318	0.117	0.036

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Santa Monica Arpt.	150	8.335	4.838	3.056	0.813	0.322	0.118	0.037
Santa Monica Arpt.	160	8.677	5.009	3.160	0.819	0.322	0.120	0.037
Santa Monica Arpt.	170	9.256	5.228	3.338	0.835	0.321	0.121	0.038
Santa Monica Arpt.	180	9.909	5.461	3.470	0.829	0.315	0.122	0.038
Santa Monica Arpt.	190	10.848	5.850	3.679	0.878	0.327	0.122	0.038
Santa Monica Arpt.	200	12.075	6.672	4.183	1.015	0.354	0.122	0.038
Santa Monica Arpt.	210	13.681	7.639	4.869	1.220	0.393	0.123	0.038
Santa Monica Arpt.	220	14.854	8.372	5.416	1.347	0.419	0.123	0.038
Santa Monica Arpt.	230	14.984	8.444	5.420	1.367	0.426	0.124	0.038
Santa Monica Arpt.	240	14.156	7.850	4.977	1.238	0.401	0.123	0.038
Santa Monica Arpt.	250	12.754	6.925	4.346	1.085	0.374	0.122	0.038
Santa Monica Arpt.	260	11.407	6.134	3.811	0.967	0.351	0.121	0.037
Santa Monica Arpt.	270	10.262	5.602	3.497	0.909	0.337	0.120	0.037
Santa Monica Arpt.	280	9.397	5.202	3.273	0.863	0.331	0.119	0.037
Santa Monica Arpt.	290	8.629	4.843	3.063	0.818	0.323	0.119	0.037
Santa Monica Arpt.	300	8.066	4.530	2.834	0.763	0.314	0.118	0.036
Santa Monica Arpt.	310	7.653	4.314	2.693	0.731	0.308	0.118	0.036
Santa Monica Arpt.	320	7.402	4.184	2.630	0.721	0.307	0.117	0.036
Santa Monica Arpt.	330	7.233	4.141	2.592	0.709	0.303	0.117	0.036
Santa Monica Arpt.	340	7.270	4.158	2.594	0.698	0.301	0.117	0.036
Santa Monica Arpt.	350	7.614	4.295	2.707	0.708	0.300	0.118	0.036
Santa Monica Arpt.	360	8.227	4.559	2.889	0.731	0.304	0.120	0.037
Upland	10	7.802	4.149	2.507	0.687	0.323	0.132	0.041
Upland	20	8.204	4.377	2.650	0.718	0.332	0.134	0.041
Upland	30	9.156	4.805	2.921	0.778	0.347	0.137	0.042
Upland	40	10.985	5.637	3.430	0.879	0.372	0.142	0.043
Upland	50	13.809	7.049	4.257	1.054	0.413	0.149	0.045
Upland	60	17.733	9.053	5.449	1.301	0.464	0.157	0.047
Upland	70	21.393	11.297	6.925	1.611	0.520	0.162	0.049
Upland	80	23.496	12.789	7.924	1.888	0.566	0.160	0.048
Upland	90	22.593	12.344	7.701	1.889	0.550	0.153	0.046
Upland	100	19.098	10.221	6.250	1.485	0.469	0.144	0.043
Upland	110	14.548	7.879	4.882	1.174	0.409	0.137	0.041
Upland	120	11.568	6.503	4.051	1.008	0.376	0.132	0.040
Upland	130	10.809	6.097	3.792	0.950	0.362	0.130	0.040

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Upland	140	12.523	6.761	4.165	0.982	0.366	0.129	0.040
Upland	150	16.613	9.007	5.450	1.194	0.392	0.129	0.040
Upland	160	21.627	12.273	7.657	1.665	0.460	0.129	0.040
Upland	170	24.921	14.374	9.376	2.076	0.503	0.129	0.040
Upland	180	24.141	13.366	8.431	1.672	0.414	0.129	0.040
Upland	190	19.586	10.080	6.220	1.215	0.378	0.129	0.040
Upland	200	14.389	7.660	4.586	1.044	0.370	0.129	0.040
Upland	210	11.447	6.079	3.736	0.926	0.355	0.129	0.040
Upland	220	9.718	5.267	3.241	0.833	0.342	0.129	0.040
Upland	230	8.818	4.806	2.929	0.783	0.335	0.129	0.040
Upland	240	8.379	4.496	2.731	0.743	0.329	0.129	0.040
Upland	250	8.153	4.276	2.594	0.719	0.325	0.129	0.040
Upland	260	8.073	4.135	2.494	0.698	0.322	0.129	0.040
Upland	270	7.991	4.043	2.427	0.683	0.318	0.129	0.040
Upland	280	7.945	3.995	2.396	0.675	0.318	0.129	0.040
Upland	290	7.956	3.994	2.399	0.676	0.318	0.130	0.040
Upland	300	7.980	4.007	2.407	0.681	0.320	0.130	0.040
Upland	310	7.984	4.007	2.405	0.679	0.320	0.130	0.040
Upland	320	7.951	3.982	2.390	0.675	0.319	0.130	0.040
Upland	330	7.875	3.966	2.372	0.670	0.318	0.130	0.040
Upland	340	7.777	3.961	2.365	0.666	0.317	0.130	0.040
Upland	350	7.699	3.978	2.384	0.665	0.317	0.131	0.040
Upland	360	7.676	4.031	2.426	0.669	0.318	0.131	0.041
USC/Downtown L.A.	10	8.044	4.490	2.745	0.716	0.319	0.128	0.039
USC/Downtown L.A.	20	8.748	4.883	2.979	0.768	0.329	0.128	0.040
USC/Downtown L.A.	30	10.150	5.600	3.449	0.875	0.349	0.130	0.040
USC/Downtown L.A.	40	12.335	6.696	4.172	1.030	0.382	0.132	0.040
USC/Downtown L.A.	50	15.352	8.188	5.073	1.230	0.422	0.137	0.041
USC/Downtown L.A.	60	19.864	10.224	6.209	1.437	0.465	0.143	0.043
USC/Downtown L.A.	70	24.785	13.090	8.009	1.778	0.524	0.149	0.045
USC/Downtown L.A.	80	28.548	15.697	9.827	2.300	0.623	0.153	0.046
USC/Downtown L.A.	90	28.601	15.843	10.033	2.435	0.635	0.151	0.045
USC/Downtown L.A.	100	24.758	13.189	8.038	1.839	0.525	0.144	0.043
USC/Downtown L.A.	110	18.513	9.666	5.925	1.372	0.442	0.137	0.041
USC/Downtown L.A.	120	13.661	7.415	4.579	1.119	0.394	0.132	0.040

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}} \frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
USC/Downtown L.A.	130	10.902	6.259	3.948	1.000	0.371	0.129	0.040
USC/Downtown L.A.	140	9.581	5.668	3.614	0.939	0.361	0.128	0.040
USC/Downtown L.A.	150	9.017	5.315	3.339	0.874	0.347	0.128	0.040
USC/Downtown L.A.	160	8.915	5.111	3.167	0.814	0.335	0.128	0.039
USC/Downtown L.A.	170	9.400	5.156	3.193	0.798	0.328	0.128	0.039
USC/Downtown L.A.	180	10.331	5.508	3.413	0.820	0.326	0.127	0.039
USC/Downtown L.A.	190	11.199	6.069	3.775	0.912	0.343	0.127	0.039
USC/Downtown L.A.	200	11.548	6.385	3.991	1.000	0.364	0.128	0.039
USC/Downtown L.A.	210	11.419	6.236	3.920	1.009	0.368	0.128	0.039
USC/Downtown L.A.	220	10.860	5.799	3.625	0.926	0.355	0.127	0.039
USC/Downtown L.A.	230	10.167	5.390	3.322	0.868	0.347	0.128	0.039
USC/Downtown L.A.	240	9.851	5.197	3.201	0.844	0.343	0.128	0.039
USC/Downtown L.A.	250	10.020	5.275	3.249	0.858	0.347	0.129	0.040
USC/Downtown L.A.	260	10.764	5.631	3.439	0.893	0.353	0.129	0.040
USC/Downtown L.A.	270	11.494	6.104	3.755	0.970	0.363	0.130	0.040
USC/Downtown L.A.	280	11.879	6.341	3.929	1.026	0.377	0.131	0.040
USC/Downtown L.A.	290	11.678	6.188	3.844	0.994	0.372	0.130	0.040
USC/Downtown L.A.	300	11.096	5.803	3.550	0.920	0.359	0.130	0.040
USC/Downtown L.A.	310	10.406	5.435	3.325	0.870	0.351	0.130	0.040
USC/Downtown L.A.	320	9.778	5.126	3.162	0.837	0.346	0.129	0.040
USC/Downtown L.A.	330	9.187	4.887	2.993	0.801	0.338	0.129	0.040
USC/Downtown L.A.	340	8.666	4.666	2.851	0.759	0.329	0.129	0.040
USC/Downtown L.A.	350	8.226	4.483	2.747	0.729	0.322	0.128	0.040
USC/Downtown L.A.	360	7.931	4.394	2.689	0.704	0.316	0.128	0.039
Van Nuys Arpt.	10	7.308	4.096	2.608	0.693	0.294	0.114	0.035
Van Nuys Arpt.	20	6.654	3.889	2.465	0.668	0.281	0.108	0.033
Van Nuys Arpt.	30	6.514	3.829	2.442	0.669	0.277	0.104	0.032
Van Nuys Arpt.	40	6.590	3.870	2.482	0.681	0.278	0.103	0.032
Van Nuys Arpt.	50	6.857	3.995	2.552	0.700	0.282	0.104	0.032
Van Nuys Arpt.	60	7.522	4.280	2.725	0.739	0.292	0.106	0.032
Van Nuys Arpt.	70	8.714	4.912	3.132	0.834	0.313	0.110	0.034
Van Nuys Arpt.	80	10.486	5.904	3.761	0.989	0.347	0.114	0.035
Van Nuys Arpt.	90	12.121	6.862	4.405	1.157	0.375	0.118	0.037
Van Nuys Arpt.	100	13.086	7.385	4.725	1.224	0.393	0.120	0.037
Van Nuys Arpt.	110	13.199	7.453	4.815	1.249	0.399	0.120	0.037

**Table 2: Annual Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{ton}}\frac{\text{m}^3}{\text{yr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Van Nuys Arpt.	120	12.821	7.276	4.695	1.214	0.392	0.118	0.036
Van Nuys Arpt.	130	12.232	6.950	4.494	1.168	0.381	0.116	0.036
Van Nuys Arpt.	140	11.568	6.539	4.260	1.108	0.373	0.116	0.035
Van Nuys Arpt.	150	10.900	6.213	4.011	1.057	0.366	0.120	0.037
Van Nuys Arpt.	160	10.318	5.883	3.783	0.990	0.361	0.126	0.039
Van Nuys Arpt.	170	9.793	5.508	3.528	0.916	0.352	0.132	0.041
Van Nuys Arpt.	180	8.749	4.881	3.106	0.801	0.330	0.131	0.041
Van Nuys Arpt.	190	7.325	4.055	2.590	0.709	0.312	0.124	0.038
Van Nuys Arpt.	200	6.095	3.550	2.273	0.649	0.291	0.115	0.035
Van Nuys Arpt.	210	5.585	3.291	2.105	0.608	0.273	0.108	0.033
Van Nuys Arpt.	220	5.391	3.173	2.026	0.585	0.263	0.104	0.032
Van Nuys Arpt.	230	5.358	3.158	2.017	0.586	0.261	0.102	0.032
Van Nuys Arpt.	240	5.562	3.221	2.067	0.600	0.264	0.103	0.032
Van Nuys Arpt.	250	6.141	3.468	2.226	0.637	0.276	0.106	0.032
Van Nuys Arpt.	260	7.517	4.139	2.628	0.740	0.306	0.114	0.035
Van Nuys Arpt.	270	9.582	5.285	3.371	0.947	0.361	0.128	0.039
Van Nuys Arpt.	280	11.940	6.646	4.251	1.172	0.426	0.146	0.045
Van Nuys Arpt.	290	13.781	7.748	5.036	1.390	0.492	0.162	0.051
Van Nuys Arpt.	300	14.699	8.257	5.318	1.452	0.519	0.171	0.053
Van Nuys Arpt.	310	14.663	8.126	5.188	1.399	0.512	0.173	0.053
Van Nuys Arpt.	320	13.864	7.557	4.837	1.295	0.489	0.167	0.050
Van Nuys Arpt.	330	12.590	6.864	4.320	1.158	0.447	0.158	0.047
Van Nuys Arpt.	340	11.154	6.065	3.794	1.002	0.399	0.146	0.044
Van Nuys Arpt.	350	9.767	5.290	3.330	0.873	0.355	0.134	0.040
Van Nuys Arpt.	360	8.435	4.601	2.900	0.751	0.314	0.123	0.037

**Table 3: Hourly Receptor Proximity Adjustment Factors**  $\left(\frac{\mu g}{m^3} \cdot \frac{lb}{hr}\right)$

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Azusa	10	433.580	276.782	196.085	54.156	10.231	2.277	0.686
Azusa	20	467.766	288.074	205.455	59.742	12.978	2.473	0.736
Azusa	30	510.124	323.855	228.526	68.556	16.279	2.398	0.663
Azusa	40	481.466	308.540	218.634	66.134	15.775	2.781	0.722
Azusa	50	511.151	318.042	222.273	67.045	15.589	4.757	1.427
Azusa	60	538.165	318.042	225.857	68.822	16.055	4.757	1.427
Azusa	70	586.371	339.921	237.971	71.847	17.600	5.328	1.627
Azusa	80	565.047	340.581	236.999	72.081	17.010	5.037	1.489
Azusa	90	542.467	336.756	235.966	70.065	15.892	3.069	0.974
Azusa	100	614.922	349.672	238.565	72.586	17.833	5.365	1.636
Azusa	110	607.164	355.932	231.982	70.431	18.908	5.640	1.716
Azusa	120	527.612	317.347	225.746	68.708	16.022	4.386	1.116
Azusa	130	492.207	311.400	220.306	66.929	15.927	2.557	0.717
Azusa	140	473.942	305.203	217.901	66.167	15.365	2.544	0.704
Azusa	150	509.106	323.265	228.171	68.515	16.279	3.978	1.226
Azusa	160	488.820	308.533	216.918	62.076	13.850	3.858	1.230
Azusa	170	474.521	294.724	205.088	55.785	10.957	2.824	0.871
Azusa	180	447.019	272.619	188.262	49.244	7.846	2.433	0.707
Azusa	190	438.760	279.736	198.311	53.940	10.326	2.778	0.684
Azusa	200	477.243	299.939	211.343	60.724	13.607	3.983	1.268
Azusa	210	485.428	308.451	217.084	65.677	15.328	3.996	1.231
Azusa	220	478.712	305.976	218.563	66.452	15.436	2.191	0.662
Azusa	230	491.823	312.849	220.538	66.848	15.768	1.484	0.435
Azusa	240	492.745	315.951	224.802	68.480	15.976	1.442	0.435
Azusa	250	514.036	327.024	231.450	70.431	16.494	2.544	0.754
Azusa	260	537.949	335.881	236.425	71.897	17.161	2.717	0.843
Azusa	270	536.017	337.025	236.135	70.047	15.883	3.628	0.930
Azusa	280	630.768	364.745	235.829	71.699	18.944	5.618	1.736
Azusa	290	544.213	340.528	238.086	71.613	17.152	4.114	1.022
Azusa	300	534.678	336.959	236.612	71.024	16.904	1.958	0.582
Azusa	310	483.645	309.306	220.574	67.081	15.603	1.871	0.522
Azusa	320	494.781	314.487	221.905	66.528	15.826	1.508	0.435
Azusa	330	471.888	301.467	212.957	64.335	15.247	2.520	0.685
Azusa	340	449.591	290.486	207.638	60.450	13.133	2.896	0.853

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{lb}} \frac{\text{m}^3}{\text{hr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Azusa	350	436.092	278.335	196.824	55.810	10.244	2.160	0.662
Azusa	360	421.269	266.487	187.160	48.989	7.785	2.856	0.864
Banning	10	554.346	364.800	262.791	71.439	14.362	4.446	1.659
Banning	20	596.001	396.902	288.965	86.236	18.404	4.725	1.752
Banning	30	594.233	397.580	290.305	90.953	20.925	4.483	1.647
Banning	40	612.146	406.329	295.145	91.478	20.955	4.546	1.674
Banning	50	625.483	415.541	302.092	94.277	21.675	4.728	1.745
Banning	60	683.136	426.510	309.257	96.568	22.264	4.818	1.776
Banning	70	721.488	454.938	322.115	100.376	23.237	4.831	1.782
Banning	80	720.974	468.071	334.658	103.656	24.088	4.901	1.813
Banning	90	731.700	471.192	334.277	100.346	22.355	4.872	1.805
Banning	100	717.088	465.196	332.446	102.900	23.912	4.770	1.758
Banning	110	738.775	464.251	323.879	97.986	22.661	4.856	1.795
Banning	120	716.795	443.738	315.825	96.733	22.756	4.717	1.741
Banning	130	623.234	412.909	299.427	92.896	21.368	4.686	1.730
Banning	140	610.281	406.098	295.717	92.404	21.251	4.582	1.689
Banning	150	600.895	402.542	294.187	92.294	21.227	4.543	1.675
Banning	160	574.150	381.015	276.699	82.214	17.582	4.453	1.651
Banning	170	571.386	375.988	271.119	73.971	14.616	4.583	1.711
Banning	180	573.584	371.358	263.553	63.917	12.582	4.546	1.696
Banning	190	579.439	378.212	270.892	72.578	14.544	4.577	1.705
Banning	200	591.171	393.751	286.609	85.436	18.233	4.562	1.695
Banning	210	602.800	403.740	295.097	92.684	21.326	4.794	1.771
Banning	220	613.939	408.986	297.907	93.002	21.352	4.687	1.730
Banning	230	627.951	417.714	304.001	95.146	21.898	4.699	1.735
Banning	240	646.658	427.608	309.808	96.638	22.273	4.657	1.722
Banning	250	666.322	434.388	311.527	95.955	22.134	4.655	1.715
Banning	260	715.455	463.999	331.529	102.590	23.840	4.693	1.727
Banning	270	714.319	458.232	324.190	97.132	21.705	4.687	1.730
Banning	280	684.571	444.547	317.276	97.635	22.656	4.645	1.709
Banning	290	658.096	426.825	304.750	93.424	21.699	4.650	1.708
Banning	300	644.285	425.800	308.381	96.133	22.154	4.571	1.684
Banning	310	606.459	402.794	292.735	91.342	21.036	4.586	1.691
Banning	320	606.234	401.343	291.014	89.925	20.584	4.934	1.829
Banning	330	580.172	385.842	280.465	87.481	20.170	4.877	1.807



**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Banning	340	580.914	383.135	276.663	80.992	17.291	4.410	1.610
Banning	350	553.212	356.598	252.231	70.550	13.649	4.506	1.675
Banning	360	549.834	354.097	250.074	59.580	12.358	4.732	1.760
Burbank Arpt.	10	541.054	352.228	252.106	68.460	13.057	3.552	1.317
Burbank Arpt.	20	578.562	378.340	271.184	78.469	16.812	3.563	1.315
Burbank Arpt.	30	557.610	366.833	266.238	83.004	19.163	3.437	1.258
Burbank Arpt.	40	575.304	377.234	271.670	83.533	19.283	3.415	1.250
Burbank Arpt.	50	588.731	386.506	278.806	86.076	19.882	3.396	1.239
Burbank Arpt.	60	615.120	399.190	286.845	88.691	20.543	3.513	1.282
Burbank Arpt.	70	641.687	415.706	296.760	90.909	21.052	3.571	1.274
Burbank Arpt.	80	660.244	424.449	301.817	93.097	21.747	3.597	1.306
Burbank Arpt.	90	687.435	434.806	304.744	89.865	20.223	3.542	1.298
Burbank Arpt.	100	672.130	432.422	307.495	94.765	22.143	3.632	1.327
Burbank Arpt.	110	635.094	407.801	292.012	90.100	20.953	3.603	1.318
Burbank Arpt.	120	604.909	392.453	282.115	87.634	20.295	3.596	1.317
Burbank Arpt.	130	613.604	401.912	289.017	88.758	20.526	3.608	1.320
Burbank Arpt.	140	576.286	377.054	271.074	83.020	19.160	3.648	1.339
Burbank Arpt.	150	569.984	373.168	268.503	83.053	19.136	3.627	1.330
Burbank Arpt.	160	616.124	398.931	283.546	80.611	17.228	3.493	1.287
Burbank Arpt.	170	599.553	382.886	268.786	73.996	13.363	3.554	1.282
Burbank Arpt.	180	554.869	355.187	249.758	59.157	9.772	3.364	1.246
Burbank Arpt.	190	542.899	353.276	252.966	68.443	13.083	3.400	1.257
Burbank Arpt.	200	553.559	364.262	263.019	77.523	16.662	3.452	1.268
Burbank Arpt.	210	566.089	369.143	267.499	83.140	19.201	3.320	1.203
Burbank Arpt.	220	576.031	377.598	271.814	83.303	19.237	3.560	1.298
Burbank Arpt.	230	602.883	397.805	287.167	88.591	20.495	4.829	1.320
Burbank Arpt.	240	638.055	409.069	289.104	87.266	20.196	3.846	1.312
Burbank Arpt.	250	634.772	411.620	294.363	90.784	21.104	3.542	1.289
Burbank Arpt.	260	661.431	425.245	302.242	92.953	21.708	3.503	1.277
Burbank Arpt.	270	672.155	430.127	304.179	91.056	20.408	3.541	1.295
Burbank Arpt.	280	648.430	414.348	294.553	90.935	21.312	3.610	1.318
Burbank Arpt.	290	626.525	407.193	291.818	90.277	20.967	3.596	1.316
Burbank Arpt.	300	599.500	390.215	279.668	85.626	19.768	3.607	1.322
Burbank Arpt.	310	579.116	378.881	272.313	84.388	19.476	3.610	1.323
Burbank Arpt.	320	590.622	390.245	282.052	86.973	20.109	3.567	1.306

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr \cdot m^3}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Burbank Arpt.	330	564.230	375.329	272.203	84.414	19.614	3.574	1.310
Burbank Arpt.	340	609.268	399.376	287.078	83.965	18.047	3.594	1.326
Burbank Arpt.	350	564.386	364.773	258.552	69.076	13.186	4.339	1.328
Burbank Arpt.	360	524.268	336.139	237.092	58.758	11.506	4.339	1.315
Central L.A.	10	458.924	256.779	161.946	40.115	10.961	3.766	1.235
Central L.A.	20	403.176	223.906	156.117	44.204	10.032	3.042	0.841
Central L.A.	30	368.585	220.870	152.750	45.912	10.970	2.957	0.841
Central L.A.	40	378.495	238.491	167.689	50.144	12.037	2.765	0.903
Central L.A.	50	373.399	233.364	162.877	48.107	11.583	2.267	0.712
Central L.A.	60	386.567	237.565	164.019	48.339	11.583	2.911	0.945
Central L.A.	70	390.714	241.397	167.478	49.932	12.087	2.416	0.766
Central L.A.	80	414.962	251.547	174.822	52.845	12.897	2.918	0.945
Central L.A.	90	409.895	249.212	171.563	50.272	11.874	2.616	0.786
Central L.A.	100	406.610	250.177	173.193	51.862	12.650	2.781	0.879
Central L.A.	110	401.968	245.932	170.342	50.645	12.262	1.665	0.479
Central L.A.	120	389.493	242.901	169.770	50.791	12.244	1.512	0.411
Central L.A.	130	366.688	226.574	157.332	47.045	11.251	2.004	0.496
Central L.A.	140	371.073	233.737	164.267	49.093	11.804	2.473	0.706
Central L.A.	150	361.926	226.270	158.334	47.011	11.326	2.194	0.650
Central L.A.	160	371.758	231.657	161.767	45.892	10.362	1.882	0.574
Central L.A.	170	362.817	224.408	155.788	43.725	8.212	1.801	0.494
Central L.A.	180	350.878	213.518	146.505	36.475	6.085	1.536	0.445
Central L.A.	190	360.185	221.110	152.318	40.059	8.195	1.276	0.399
Central L.A.	200	371.554	231.583	161.771	45.985	10.382	1.454	0.432
Central L.A.	210	373.431	234.286	164.258	48.856	11.738	1.977	0.555
Central L.A.	220	373.121	233.474	163.844	48.785	11.730	1.977	0.632
Central L.A.	230	379.190	237.886	166.780	49.800	11.978	1.391	0.399
Central L.A.	240	395.634	246.673	172.205	51.315	12.352	1.768	0.543
Central L.A.	250	401.306	249.544	174.102	52.382	12.687	1.709	0.495
Central L.A.	260	398.143	244.435	169.665	51.033	12.345	2.741	0.832
Central L.A.	270	396.548	242.555	167.680	49.202	11.470	2.392	0.657
Central L.A.	280	415.222	256.352	178.107	53.786	13.103	2.139	0.665
Central L.A.	290	412.005	255.325	177.788	53.312	12.879	1.911	0.637
Central L.A.	300	394.906	243.682	168.845	50.024	12.116	1.506	0.399
Central L.A.	310	371.185	231.695	161.634	47.728	11.507	2.252	0.636

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}}{\text{lb}}\frac{\text{m}^3}{\text{hr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Central L.A.	320	378.480	238.283	167.455	50.036	12.008	2.030	0.533
Central L.A.	330	363.531	224.012	154.343	46.045	11.000	2.349	0.740
Central L.A.	340	338.080	212.744	149.555	43.531	9.588	2.203	0.657
Central L.A.	350	331.086	206.685	144.388	40.762	7.643	2.457	0.807
Central L.A.	360	377.507	205.938	140.780	36.081	6.938	2.734	0.721
Chino Arpt.	10	642.820	428.216	312.459	86.815	18.768	6.392	2.409
Chino Arpt.	20	658.643	440.731	321.231	97.027	21.657	6.361	2.388
Chino Arpt.	30	679.461	451.408	327.573	104.315	23.958	6.355	2.375
Chino Arpt.	40	669.257	451.269	330.861	104.267	23.956	6.476	2.421
Chino Arpt.	50	713.376	475.740	344.156	106.218	24.407	6.423	2.399
Chino Arpt.	60	709.037	473.530	344.838	108.750	25.052	6.489	2.407
Chino Arpt.	70	771.709	511.866	369.159	114.255	26.321	6.422	2.400
Chino Arpt.	80	787.976	518.345	373.529	117.083	27.169	6.488	2.419
Chino Arpt.	90	813.547	528.522	376.868	113.774	25.509	6.412	2.399
Chino Arpt.	100	784.545	516.206	371.538	115.710	26.860	6.516	2.433
Chino Arpt.	110	781.782	514.951	368.553	112.053	25.746	6.442	2.405
Chino Arpt.	120	751.814	505.139	368.673	116.136	26.748	6.422	2.400
Chino Arpt.	130	682.399	458.600	335.529	107.116	24.647	6.418	2.401
Chino Arpt.	140	699.885	474.511	347.812	109.316	25.162	6.379	2.384
Chino Arpt.	150	725.822	480.500	345.576	107.154	24.636	6.433	2.405
Chino Arpt.	160	652.541	434.845	318.104	96.883	21.896	6.284	2.357
Chino Arpt.	170	675.411	439.337	312.013	85.807	18.746	6.016	2.263
Chino Arpt.	180	675.411	439.337	311.114	80.185	16.344	6.311	2.382
Chino Arpt.	190	678.733	450.371	324.577	89.041	18.892	6.200	2.331
Chino Arpt.	200	694.365	464.951	337.163	100.011	21.655	6.299	2.354
Chino Arpt.	210	697.271	469.451	341.698	104.959	23.890	6.548	2.452
Chino Arpt.	220	742.258	501.383	367.149	115.339	26.455	6.331	2.366
Chino Arpt.	230	733.230	495.541	362.154	113.704	26.227	6.370	2.372
Chino Arpt.	240	756.945	505.687	366.429	113.449	26.057	6.343	2.358
Chino Arpt.	250	824.293	542.745	390.087	120.048	27.515	6.413	2.396
Chino Arpt.	260	793.377	519.273	372.869	116.455	27.034	6.446	2.392
Chino Arpt.	270	858.058	559.710	399.935	121.272	26.903	6.410	2.399
Chino Arpt.	280	792.414	518.142	373.586	117.465	27.263	6.305	2.349
Chino Arpt.	290	747.233	494.276	359.136	113.260	26.162	6.452	2.405
Chino Arpt.	300	747.004	501.161	365.297	114.666	26.374	6.241	2.329

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Chino Arpt.	310	728.322	485.528	351.550	107.460	24.462	6.212	2.321
Chino Arpt.	320	692.396	470.521	346.640	110.013	25.218	6.300	2.351
Chino Arpt.	330	658.701	444.741	328.257	105.077	24.218	6.396	2.390
Chino Arpt.	340	698.645	471.429	344.896	102.921	21.783	6.285	2.358
Chino Arpt.	350	679.521	451.753	326.532	88.800	18.792	6.188	2.329
Chino Arpt.	360	658.509	432.601	307.741	72.625	16.363	6.176	2.331
Desert Hot Springs Arpt.	10	616.051	411.060	299.674	83.098	19.813	6.741	2.533
Desert Hot Springs Arpt.	20	602.597	402.856	293.538	87.310	21.941	6.641	2.483
Desert Hot Springs Arpt.	30	647.392	433.381	315.602	98.303	23.991	6.795	2.549
Desert Hot Springs Arpt.	40	643.973	435.465	320.031	101.279	24.343	6.762	2.524
Desert Hot Springs Arpt.	50	655.740	432.912	314.644	98.330	24.729	6.792	2.543
Desert Hot Springs Arpt.	60	655.545	436.321	317.406	99.849	24.676	6.699	2.496
Desert Hot Springs Arpt.	70	674.313	448.026	325.319	102.144	25.515	6.642	2.484
Desert Hot Springs Arpt.	80	760.018	495.818	354.924	109.571	26.511	6.722	2.505
Desert Hot Springs Arpt.	90	757.749	491.091	350.540	106.194	25.657	6.801	2.550
Desert Hot Springs Arpt.	100	743.577	485.593	348.353	108.538	26.472	6.873	2.564
Desert Hot Springs Arpt.	110	695.010	459.705	332.992	104.606	25.722	6.790	2.534
Desert Hot Springs Arpt.	120	674.819	444.109	320.026	99.766	24.692	6.897	2.578
Desert Hot Springs Arpt.	130	644.117	433.517	317.848	100.698	24.472	7.102	2.656
Desert Hot Springs Arpt.	140	645.680	431.013	313.911	98.476	24.090	7.112	2.671
Desert Hot Springs Arpt.	150	673.601	449.706	326.197	99.766	24.155	7.015	2.632
Desert Hot Springs Arpt.	160	614.019	411.537	300.373	89.586	22.006	7.120	2.682
Desert Hot Springs Arpt.	170	603.086	402.742	293.212	81.153	19.660	6.989	2.645
Desert Hot Springs Arpt.	180	594.892	392.076	281.420	68.031	17.292	6.978	2.642
Desert Hot Springs Arpt.	190	616.760	407.582	294.161	80.603	19.622	6.934	2.622
Desert Hot Springs Arpt.	200	615.267	413.514	302.641	91.073	22.089	7.057	2.663
Desert Hot Springs Arpt.	210	609.461	409.584	300.702	95.822	24.064	6.791	2.545
Desert Hot Springs Arpt.	220	634.278	426.107	311.893	98.100	23.921	6.939	2.590
Desert Hot Springs Arpt.	230	641.944	427.461	313.074	99.815	24.604	6.751	2.526
Desert Hot Springs Arpt.	240	644.397	433.001	317.204	100.772	25.052	6.834	2.558
Desert Hot Springs Arpt.	250	654.935	431.954	311.615	98.551	25.660	6.832	2.559
Desert Hot Springs Arpt.	260	714.189	465.132	332.345	103.319	26.540	6.911	2.590
Desert Hot Springs Arpt.	270	741.377	483.935	346.776	105.777	25.500	6.624	2.480
Desert Hot Springs Arpt.	280	731.496	480.302	345.713	108.156	26.261	7.150	2.536
Desert Hot Springs Arpt.	290	693.493	462.531	336.871	106.711	25.818	6.951	2.603

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr} \frac{m^3}{hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Desert Hot Springs Arpt.	300	658.657	436.567	316.313	98.620	24.760	7.035	2.630
Desert Hot Springs Arpt.	310	639.979	428.610	313.687	98.949	24.476	6.995	2.626
Desert Hot Springs Arpt.	320	612.227	407.998	298.945	93.971	24.229	7.011	2.620
Desert Hot Springs Arpt.	330	622.008	419.929	308.241	97.350	23.995	7.065	2.655
Desert Hot Springs Arpt.	340	595.034	401.576	295.061	89.424	22.254	6.942	2.616
Desert Hot Springs Arpt.	350	601.417	399.314	289.481	79.570	19.679	6.805	2.558
Desert Hot Springs Arpt.	360	593.815	384.390	272.049	66.295	17.432	6.941	2.631
Fontana	10	595.555	377.378	264.406	69.409	13.551	2.997	0.914
Fontana	20	558.453	367.146	265.183	78.168	16.718	2.565	0.928
Fontana	30	568.348	375.919	272.629	84.547	19.462	2.542	0.908
Fontana	40	607.773	388.602	277.117	85.655	19.696	3.007	0.918
Fontana	50	643.346	410.444	290.140	86.977	20.279	3.827	1.179
Fontana	60	655.366	415.194	292.242	88.447	20.483	3.665	1.100
Fontana	70	666.016	414.313	296.167	91.137	21.102	4.890	1.350
Fontana	80	703.606	437.337	304.288	93.426	21.768	4.890	1.350
Fontana	90	685.202	432.209	305.001	91.089	20.370	3.357	1.010
Fontana	100	670.533	429.270	304.755	93.515	21.771	4.644	1.303
Fontana	110	639.042	413.596	295.608	90.943	21.056	3.432	0.930
Fontana	120	632.945	396.839	285.370	88.128	20.345	2.580	0.923
Fontana	130	664.414	425.919	301.345	89.954	20.859	2.521	0.897
Fontana	140	594.281	383.149	277.041	85.623	19.687	2.578	0.907
Fontana	150	599.345	381.320	271.172	83.925	19.315	3.542	0.909
Fontana	160	612.520	391.623	276.191	78.206	16.947	5.360	1.478
Fontana	170	632.113	401.589	282.922	75.204	14.649	3.542	0.889
Fontana	180	593.428	368.582	255.055	61.815	10.057	2.499	0.913
Fontana	190	599.418	378.157	266.689	71.025	13.936	5.166	1.344
Fontana	200	599.418	377.714	266.840	78.838	18.321	6.007	1.720
Fontana	210	635.062	400.025	278.641	84.740	19.518	3.268	0.905
Fontana	220	649.915	414.477	292.037	85.964	19.848	2.949	0.924
Fontana	230	673.775	431.912	305.588	91.200	21.134	4.569	1.258
Fontana	240	686.103	433.875	305.162	91.589	21.375	4.186	1.087
Fontana	250	698.135	440.737	309.706	93.568	22.004	2.527	0.898
Fontana	260	735.305	460.142	321.242	96.745	22.843	2.543	0.903
Fontana	270	680.570	433.174	305.581	91.132	20.365	2.523	0.901
Fontana	280	669.126	427.978	303.768	93.183	21.693	2.589	0.891

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Fontana	290	637.369	412.604	294.999	90.886	21.059	2.983	0.903
Fontana	300	609.149	397.720	286.050	88.360	20.399	2.983	0.889
Fontana	310	657.164	415.923	291.100	86.140	19.831	2.931	0.889
Fontana	320	671.836	433.820	308.972	93.549	21.752	2.519	0.899
Fontana	330	596.176	375.953	272.453	84.453	19.436	4.087	1.207
Fontana	340	584.230	370.838	265.321	78.206	16.722	3.610	1.000
Fontana	350	553.310	355.549	254.271	69.346	13.044	2.471	0.897
Fontana	360	582.813	365.363	253.511	61.815	9.583	2.514	0.918
Fullerton Arpt.	10	525.005	334.672	238.339	64.012	12.246	3.316	0.944
Fullerton Arpt.	20	557.124	353.135	252.693	73.676	15.895	3.750	1.049
Fullerton Arpt.	30	572.146	367.322	261.743	80.101	18.510	3.414	0.998
Fullerton Arpt.	40	627.931	407.311	291.064	88.334	20.424	3.481	0.969
Fullerton Arpt.	50	593.830	380.314	268.901	80.659	18.613	3.481	0.969
Fullerton Arpt.	60	594.858	381.074	271.852	83.062	19.216	2.529	0.775
Fullerton Arpt.	70	634.716	403.605	284.740	86.230	20.174	2.718	0.827
Fullerton Arpt.	80	635.022	401.222	282.655	86.473	20.215	2.557	0.813
Fullerton Arpt.	90	663.283	414.079	288.279	84.435	19.035	2.753	0.818
Fullerton Arpt.	100	675.205	427.228	300.456	91.209	21.360	3.119	0.951
Fullerton Arpt.	110	619.212	394.592	279.182	84.761	19.713	2.602	0.790
Fullerton Arpt.	120	594.910	383.434	273.541	83.422	19.303	2.690	0.819
Fullerton Arpt.	130	594.651	385.436	274.916	83.183	19.281	2.145	0.751
Fullerton Arpt.	140	623.123	403.084	287.325	86.605	19.982	2.367	0.771
Fullerton Arpt.	150	576.506	367.470	263.186	80.248	18.574	2.642	0.771
Fullerton Arpt.	160	576.506	367.470	258.761	75.528	16.070	3.928	1.069
Fullerton Arpt.	170	532.633	340.325	242.018	66.266	12.434	2.750	0.794
Fullerton Arpt.	180	554.115	345.538	238.696	59.212	8.951	2.281	0.752
Fullerton Arpt.	190	579.269	369.050	259.861	68.490	13.259	2.309	0.719
Fullerton Arpt.	200	565.356	366.331	261.786	75.924	16.318	2.076	0.737
Fullerton Arpt.	210	595.546	387.817	277.954	84.562	19.499	2.118	0.746
Fullerton Arpt.	220	572.559	373.643	268.128	81.923	18.938	2.017	0.717
Fullerton Arpt.	230	572.990	370.075	264.598	80.550	18.590	2.123	0.751
Fullerton Arpt.	240	600.959	386.486	274.545	83.019	19.244	2.742	0.781
Fullerton Arpt.	250	613.452	391.759	277.664	84.484	19.619	2.843	0.838
Fullerton Arpt.	260	645.870	408.495	287.624	87.556	20.508	2.254	0.791
Fullerton Arpt.	270	636.814	401.552	281.815	83.641	18.784	2.664	0.792

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Fullerton Arpt.	280	641.722	405.069	284.863	86.605	20.309	3.417	1.061
Fullerton Arpt.	290	612.941	389.952	276.159	84.380	19.643	3.797	1.104
Fullerton Arpt.	300	624.531	401.216	284.659	85.904	19.899	2.413	0.755
Fullerton Arpt.	310	609.877	392.743	279.003	83.570	19.225	2.218	0.780
Fullerton Arpt.	320	619.069	398.742	283.094	84.576	19.504	2.689	0.762
Fullerton Arpt.	330	590.374	371.235	260.143	78.967	18.220	2.689	0.775
Fullerton Arpt.	340	540.904	350.722	250.857	72.899	15.660	3.011	0.861
Fullerton Arpt.	350	529.475	339.387	241.264	64.591	12.414	2.678	0.819
Fullerton Arpt.	360	516.116	325.842	227.460	58.332	8.708	2.954	0.868
Hawthorne Arpt.	10	514.012	332.066	236.785	63.747	12.249	1.864	0.667
Hawthorne Arpt.	20	530.824	343.533	247.007	72.430	15.598	2.177	0.644
Hawthorne Arpt.	30	550.972	358.509	257.044	78.728	18.216	2.730	0.743
Hawthorne Arpt.	40	562.194	368.460	264.675	80.954	18.820	3.308	0.906
Hawthorne Arpt.	50	570.513	370.223	265.147	80.996	18.733	3.144	0.928
Hawthorne Arpt.	60	582.449	374.945	267.638	82.103	19.036	2.669	0.746
Hawthorne Arpt.	70	606.229	388.947	276.336	84.392	19.633	2.900	0.893
Hawthorne Arpt.	80	626.651	398.669	281.745	86.178	20.189	2.707	0.761
Hawthorne Arpt.	90	625.889	397.677	280.269	83.676	18.838	2.982	0.865
Hawthorne Arpt.	100	622.488	395.017	278.901	85.402	20.058	2.031	0.687
Hawthorne Arpt.	110	641.584	409.857	289.986	88.034	20.510	3.025	0.884
Hawthorne Arpt.	120	585.272	377.689	269.419	82.255	19.092	2.429	0.658
Hawthorne Arpt.	130	569.815	369.734	264.366	80.566	18.692	1.936	0.680
Hawthorne Arpt.	140	559.409	361.095	259.599	79.519	18.361	1.931	0.679
Hawthorne Arpt.	150	565.898	368.396	263.926	80.106	18.470	1.892	0.662
Hawthorne Arpt.	160	537.302	348.900	249.932	72.833	15.697	1.923	0.685
Hawthorne Arpt.	170	523.917	338.942	241.508	65.550	12.568	1.893	0.629
Hawthorne Arpt.	180	503.721	318.747	223.846	58.110	8.671	1.836	0.661
Hawthorne Arpt.	190	519.397	334.440	237.845	63.909	12.300	1.825	0.654
Hawthorne Arpt.	200	546.776	355.361	254.383	74.063	15.973	1.766	0.629
Hawthorne Arpt.	210	546.705	354.200	254.101	78.098	18.056	4.053	0.974
Hawthorne Arpt.	220	554.677	360.863	258.708	79.060	18.358	4.858	1.304
Hawthorne Arpt.	230	562.160	364.705	261.610	80.148	18.529	2.368	0.654
Hawthorne Arpt.	240	582.472	375.399	267.638	82.103	19.036	2.508	0.738
Hawthorne Arpt.	250	599.180	382.983	271.602	83.145	19.338	2.634	0.746
Hawthorne Arpt.	260	624.632	397.667	281.071	85.986	20.154	1.942	0.676



**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Hawthorne Arpt.	270	629.694	398.270	280.084	83.503	18.838	2.042	0.692
Hawthorne Arpt.	280	619.889	393.652	277.692	84.424	19.721	2.015	0.692
Hawthorne Arpt.	290	606.451	387.577	274.550	83.534	19.464	2.031	0.679
Hawthorne Arpt.	300	583.728	376.852	268.866	82.037	19.020	2.039	0.687
Hawthorne Arpt.	310	594.130	383.905	273.481	82.686	19.170	2.996	0.844
Hawthorne Arpt.	320	552.100	355.399	254.474	77.758	17.976	2.279	0.680
Hawthorne Arpt.	330	553.507	359.399	257.323	78.276	18.099	2.585	0.748
Hawthorne Arpt.	340	549.534	357.058	255.071	73.921	16.004	2.488	0.712
Hawthorne Arpt.	350	515.084	332.354	236.846	65.593	12.204	1.898	0.681
Hawthorne Arpt.	360	496.248	314.588	220.472	55.587	8.609	1.856	0.668
John Wayne Int'l Arpt.	10	672.584	448.902	327.400	90.651	16.954	5.348	2.008
John Wayne Int'l Arpt.	20	684.277	455.972	331.174	100.572	21.353	5.438	2.034
John Wayne Int'l Arpt.	30	694.227	470.709	347.135	110.291	25.263	5.453	2.028
John Wayne Int'l Arpt.	40	706.756	477.146	350.068	110.588	25.341	5.471	2.038
John Wayne Int'l Arpt.	50	749.656	506.504	371.481	117.427	26.944	5.469	2.036
John Wayne Int'l Arpt.	60	747.612	499.657	363.834	114.205	26.226	5.463	2.032
John Wayne Int'l Arpt.	70	784.338	519.645	376.088	118.198	27.276	5.416	2.013
John Wayne Int'l Arpt.	80	869.571	571.658	410.973	128.176	29.651	6.062	2.011
John Wayne Int'l Arpt.	90	858.802	559.722	399.805	121.070	26.855	5.452	2.029
John Wayne Int'l Arpt.	100	833.291	543.403	389.033	122.093	28.297	5.391	1.997
John Wayne Int'l Arpt.	110	787.108	521.703	377.701	118.210	27.229	5.327	1.974
John Wayne Int'l Arpt.	120	745.760	491.031	357.709	113.562	26.087	5.336	1.977
John Wayne Int'l Arpt.	130	724.852	488.513	357.906	112.832	25.829	5.473	2.037
John Wayne Int'l Arpt.	140	706.012	474.936	347.541	110.416	25.271	5.286	1.965
John Wayne Int'l Arpt.	150	704.566	469.779	341.396	108.245	24.874	5.479	2.041
John Wayne Int'l Arpt.	160	679.070	456.664	335.596	101.386	21.509	5.225	1.951
John Wayne Int'l Arpt.	170	677.735	447.792	324.677	89.106	16.684	5.243	1.968
John Wayne Int'l Arpt.	180	658.425	435.075	312.482	75.529	13.949	5.016	1.879
John Wayne Int'l Arpt.	190	663.378	438.551	320.360	88.977	16.647	5.197	1.936
John Wayne Int'l Arpt.	200	679.578	454.315	330.584	99.726	21.186	5.351	1.993
John Wayne Int'l Arpt.	210	703.370	473.049	348.677	110.815	25.415	5.290	1.966
John Wayne Int'l Arpt.	220	684.206	461.165	339.671	107.759	24.676	5.431	2.020
John Wayne Int'l Arpt.	230	712.029	482.109	354.715	112.850	25.881	5.405	2.011
John Wayne Int'l Arpt.	240	746.784	495.189	359.199	111.542	25.580	5.429	2.014
John Wayne Int'l Arpt.	250	780.123	516.807	374.222	117.326	27.047	5.444	2.022



**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
John Wayne Int'l Arpt.	260	822.658	538.223	386.169	120.130	27.805	5.434	2.016
John Wayne Int'l Arpt.	270	844.205	550.887	393.599	119.066	26.366	5.358	1.992
John Wayne Int'l Arpt.	280	823.780	543.240	391.875	122.773	28.398	5.480	2.033
John Wayne Int'l Arpt.	290	776.427	507.796	364.044	113.395	26.193	5.391	2.001
John Wayne Int'l Arpt.	300	726.295	490.217	359.843	114.644	26.380	5.391	2.003
John Wayne Int'l Arpt.	310	719.546	482.031	353.887	112.000	25.653	5.416	2.015
John Wayne Int'l Arpt.	320	702.156	473.574	348.395	110.323	25.236	5.381	2.003
John Wayne Int'l Arpt.	330	687.064	468.444	346.688	111.026	25.489	5.374	2.000
John Wayne Int'l Arpt.	340	686.520	463.780	340.188	102.409	21.722	5.349	1.998
John Wayne Int'l Arpt.	350	675.337	449.787	326.875	90.603	16.949	5.348	2.006
John Wayne Int'l Arpt.	360	654.879	427.582	306.953	73.901	14.214	5.332	2.003
Lake Elsinore	10	636.760	403.326	283.088	74.359	15.684	5.359	1.461
Lake Elsinore	20	625.700	403.902	287.331	83.141	18.128	4.361	1.051
Lake Elsinore	30	570.221	377.969	274.533	85.418	19.681	4.019	1.132
Lake Elsinore	40	655.738	412.641	287.053	85.940	19.763	3.905	1.040
Lake Elsinore	50	672.002	428.493	301.747	88.916	20.513	5.117	1.543
Lake Elsinore	60	700.117	445.534	313.813	93.552	21.718	3.068	1.051
Lake Elsinore	70	648.060	420.911	301.535	93.171	21.588	3.854	1.107
Lake Elsinore	80	671.257	431.070	306.377	94.255	21.961	3.386	1.023
Lake Elsinore	90	685.093	437.386	308.973	92.395	20.659	2.914	1.012
Lake Elsinore	100	673.177	432.455	307.427	94.606	22.043	2.999	1.043
Lake Elsinore	110	641.603	414.178	296.335	91.393	21.178	3.189	1.031
Lake Elsinore	120	617.332	401.714	289.277	89.528	20.672	3.745	1.036
Lake Elsinore	130	638.325	408.202	288.454	87.752	20.209	5.063	1.408
Lake Elsinore	140	666.795	430.069	306.035	92.479	21.513	5.885	1.625
Lake Elsinore	150	668.214	431.577	307.388	93.022	21.632	4.906	1.214
Lake Elsinore	160	643.136	410.065	288.832	81.409	17.745	3.869	1.165
Lake Elsinore	170	627.579	398.611	279.563	77.855	14.354	3.143	1.039
Lake Elsinore	180	600.062	373.940	258.680	62.191	10.117	2.911	1.016
Lake Elsinore	190	615.221	381.525	262.637	70.240	13.760	2.823	1.032
Lake Elsinore	200	659.608	424.340	301.215	86.617	18.763	2.840	1.029
Lake Elsinore	210	663.508	429.330	305.968	92.594	21.552	3.354	1.030
Lake Elsinore	220	623.978	401.975	284.530	85.862	19.747	2.915	1.052
Lake Elsinore	230	631.352	407.454	288.998	87.666	20.329	2.888	1.040
Lake Elsinore	240	646.089	406.425	288.257	89.028	20.540	4.365	1.191

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Lake Elsinore	250	710.866	435.906	304.074	91.128	21.377	3.924	1.015
Lake Elsinore	260	732.227	454.975	315.484	93.889	21.858	3.247	0.907
Lake Elsinore	270	717.379	444.254	308.488	91.523	20.763	2.916	1.053
Lake Elsinore	280	674.102	432.896	307.606	94.507	22.002	2.658	0.955
Lake Elsinore	290	668.206	428.447	302.988	92.245	21.789	2.833	1.014
Lake Elsinore	300	615.267	402.382	289.639	89.501	20.650	3.134	1.006
Lake Elsinore	310	643.741	414.338	293.540	87.814	20.432	3.829	1.017
Lake Elsinore	320	624.249	400.635	284.055	86.730	20.051	3.829	1.050
Lake Elsinore	330	614.059	394.279	278.695	86.320	19.888	3.594	1.051
Lake Elsinore	340	626.730	404.841	288.174	83.529	18.219	2.983	1.034
Lake Elsinore	350	561.500	361.045	258.946	70.182	13.335	3.416	1.016
Lake Elsinore	360	608.113	376.331	258.658	62.338	10.189	3.308	1.044
Long Beach Arpt.	10	561.864	368.062	266.119	73.148	15.861	5.377	1.787
Long Beach Arpt.	20	568.663	376.957	273.281	80.765	17.346	4.825	1.803
Long Beach Arpt.	30	578.747	386.111	282.832	89.227	20.600	4.775	1.770
Long Beach Arpt.	40	573.930	382.945	279.309	87.490	20.181	4.719	1.753
Long Beach Arpt.	50	600.972	396.822	287.085	88.667	20.389	4.825	1.790
Long Beach Arpt.	60	608.618	401.531	290.407	90.189	20.870	4.723	1.754
Long Beach Arpt.	70	636.495	416.971	300.375	93.642	21.771	4.747	1.756
Long Beach Arpt.	80	685.865	442.980	315.701	97.562	22.813	4.754	1.762
Long Beach Arpt.	90	693.527	445.966	317.426	95.973	21.451	4.843	1.800
Long Beach Arpt.	100	683.641	442.079	317.093	99.116	23.125	4.853	1.801
Long Beach Arpt.	110	662.380	427.858	303.807	95.205	22.116	4.796	1.779
Long Beach Arpt.	120	627.923	415.032	300.561	93.817	21.713	4.874	1.812
Long Beach Arpt.	130	613.124	399.384	289.849	90.519	20.870	4.845	1.801
Long Beach Arpt.	140	612.776	406.607	294.992	92.402	21.293	4.865	1.799
Long Beach Arpt.	150	593.134	397.271	289.452	90.361	20.933	4.804	1.787
Long Beach Arpt.	160	573.722	381.007	276.988	82.637	17.707	4.806	1.794
Long Beach Arpt.	170	561.254	369.045	265.902	72.898	14.049	4.712	1.764
Long Beach Arpt.	180	553.595	359.623	255.712	62.926	12.213	4.484	1.685
Long Beach Arpt.	190	592.449	387.971	278.560	76.021	14.469	4.525	1.696
Long Beach Arpt.	200	627.987	411.614	295.010	85.665	18.354	4.593	1.708
Long Beach Arpt.	210	575.765	386.312	282.637	88.889	20.514	4.653	1.725
Long Beach Arpt.	220	605.752	404.892	295.431	92.491	21.300	4.781	1.777
Long Beach Arpt.	230	606.743	400.120	291.671	91.643	21.189	5.729	1.747

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr} \frac{m^3}{hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Long Beach Arpt.	240	687.635	452.494	325.678	100.495	23.269	4.699	1.743
Long Beach Arpt.	250	701.405	450.380	317.945	98.168	22.835	4.851	1.801
Long Beach Arpt.	260	689.597	446.988	320.348	99.634	23.221	4.721	1.749
Long Beach Arpt.	270	698.948	452.024	321.744	97.216	21.712	4.753	1.766
Long Beach Arpt.	280	699.315	450.848	320.131	98.277	22.937	4.778	1.769
Long Beach Arpt.	290	691.388	443.360	313.024	95.202	22.070	4.830	1.794
Long Beach Arpt.	300	625.467	412.914	298.726	93.292	21.604	4.795	1.781
Long Beach Arpt.	310	648.092	429.344	310.731	95.890	22.038	4.855	1.804
Long Beach Arpt.	320	592.319	393.929	286.612	89.434	20.625	4.831	1.797
Long Beach Arpt.	330	584.150	384.544	279.132	88.056	20.320	4.800	1.786
Long Beach Arpt.	340	569.299	380.223	277.276	82.969	17.781	4.805	1.795
Long Beach Arpt.	350	559.539	364.519	263.799	72.448	14.140	4.784	1.793
Long Beach Arpt.	360	559.539	361.978	256.504	66.872	12.479	4.755	1.788
Los Angeles Int'l Arpt.	10	524.309	343.509	247.218	67.434	14.102	4.786	1.795
Los Angeles Int'l Arpt.	20	525.659	344.867	250.963	75.306	16.211	4.805	1.794
Los Angeles Int'l Arpt.	30	557.611	368.902	266.822	82.151	19.000	4.811	1.788
Los Angeles Int'l Arpt.	40	567.866	375.357	271.838	83.923	19.324	4.833	1.794
Los Angeles Int'l Arpt.	50	555.677	366.342	265.941	82.979	19.194	4.861	1.809
Los Angeles Int'l Arpt.	60	572.781	374.771	271.636	84.975	19.719	4.891	1.817
Los Angeles Int'l Arpt.	70	608.763	397.144	285.299	88.594	20.638	4.923	1.825
Los Angeles Int'l Arpt.	80	634.590	411.301	293.970	91.283	21.362	4.913	1.822
Los Angeles Int'l Arpt.	90	650.555	417.801	296.104	89.135	19.995	4.899	1.824
Los Angeles Int'l Arpt.	100	632.373	405.683	288.973	89.653	20.959	4.960	1.841
Los Angeles Int'l Arpt.	110	604.793	393.080	282.629	87.798	20.433	4.841	1.798
Los Angeles Int'l Arpt.	120	577.878	377.385	272.358	85.495	19.858	4.907	1.824
Los Angeles Int'l Arpt.	130	548.860	363.684	264.414	82.728	19.138	4.798	1.779
Los Angeles Int'l Arpt.	140	551.873	365.153	265.005	82.449	19.059	4.743	1.765
Los Angeles Int'l Arpt.	150	535.862	356.837	259.886	81.222	18.811	4.826	1.796
Los Angeles Int'l Arpt.	160	531.963	351.845	254.994	75.643	16.298	4.833	1.804
Los Angeles Int'l Arpt.	170	517.601	336.477	242.314	66.447	13.996	4.805	1.796
Los Angeles Int'l Arpt.	180	508.330	329.034	233.677	57.189	12.645	4.825	1.814
Los Angeles Int'l Arpt.	190	512.158	336.791	242.877	66.416	14.195	4.783	1.793
Los Angeles Int'l Arpt.	200	529.070	349.210	254.128	75.970	16.366	4.853	1.812
Los Angeles Int'l Arpt.	210	539.389	358.287	260.418	81.104	18.787	4.824	1.794
Los Angeles Int'l Arpt.	220	552.269	364.247	264.757	82.821	19.163	4.853	1.804

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Los Angeles Int'l Arpt.	230	561.648	367.355	265.284	82.089	18.948	4.772	1.774
Los Angeles Int'l Arpt.	240	577.281	378.378	273.521	85.157	19.743	4.808	1.786
Los Angeles Int'l Arpt.	250	602.865	392.604	282.492	87.857	20.444	4.884	1.811
Los Angeles Int'l Arpt.	260	636.961	411.469	293.371	90.725	21.221	4.850	1.798
Los Angeles Int'l Arpt.	270	649.458	415.717	294.682	88.603	19.872	4.795	1.783
Los Angeles Int'l Arpt.	280	635.583	410.477	292.619	90.395	21.142	4.927	1.829
Los Angeles Int'l Arpt.	290	615.390	394.402	283.301	87.971	20.479	4.876	1.812
Los Angeles Int'l Arpt.	300	575.238	375.899	270.975	84.681	19.646	4.841	1.794
Los Angeles Int'l Arpt.	310	576.275	380.358	274.785	85.049	19.763	4.801	1.783
Los Angeles Int'l Arpt.	320	549.724	364.766	264.937	82.446	19.083	4.821	1.790
Los Angeles Int'l Arpt.	330	540.473	359.274	261.291	81.541	18.891	4.946	1.842
Los Angeles Int'l Arpt.	340	537.820	355.379	256.947	75.696	16.307	4.866	1.813
Los Angeles Int'l Arpt.	350	523.409	342.469	246.192	67.020	14.009	4.582	1.707
Los Angeles Int'l Arpt.	360	512.168	328.519	231.905	58.686	12.419	4.636	1.741
Mission Viejo	10	546.318	344.817	241.122	63.808	13.548	5.058	1.388
Mission Viejo	20	572.494	343.564	247.163	72.531	18.193	5.895	1.785
Mission Viejo	30	565.874	365.304	259.700	78.453	18.446	4.045	1.157
Mission Viejo	40	581.806	375.778	267.363	80.908	19.020	4.513	1.411
Mission Viejo	50	577.239	370.567	262.190	79.768	18.455	3.081	0.810
Mission Viejo	60	573.800	371.372	265.719	81.424	18.840	3.540	1.048
Mission Viejo	70	597.791	383.317	272.586	83.452	19.384	5.152	1.536
Mission Viejo	80	626.255	397.709	280.863	85.814	20.038	5.152	1.536
Mission Viejo	90	633.207	400.583	281.755	83.856	18.820	3.639	1.062
Mission Viejo	100	627.415	398.729	281.758	86.072	20.094	3.618	1.002
Mission Viejo	110	599.830	384.536	273.427	83.627	19.409	3.791	1.029
Mission Viejo	120	574.738	371.656	266.004	81.640	18.890	3.707	1.007
Mission Viejo	130	587.715	373.781	263.988	79.768	18.666	5.435	1.600
Mission Viejo	140	578.338	367.776	259.297	78.697	18.121	5.435	1.600
Mission Viejo	150	535.646	350.630	252.725	77.669	17.905	2.913	0.600
Mission Viejo	160	524.760	341.963	245.767	72.000	15.454	2.562	0.699
Mission Viejo	170	506.339	325.089	231.693	64.061	11.918	3.144	0.977
Mission Viejo	180	499.342	316.845	222.378	55.811	8.511	1.947	0.470
Mission Viejo	190	511.851	328.918	233.817	62.584	11.987	1.500	0.520
Mission Viejo	200	526.301	342.920	246.439	72.186	15.490	1.572	0.546
Mission Viejo	210	536.436	351.397	253.438	78.023	17.998	1.646	0.567

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Mission Viejo	220	578.811	371.161	263.252	79.430	18.692	2.907	0.611
Mission Viejo	230	593.698	378.853	267.791	80.403	18.874	5.306	1.611
Mission Viejo	240	598.736	383.232	270.943	81.810	19.308	4.967	1.449
Mission Viejo	250	602.267	387.241	275.788	84.533	19.631	2.370	0.575
Mission Viejo	260	628.255	400.216	283.110	86.502	20.192	1.657	0.556
Mission Viejo	270	634.709	401.066	281.997	83.820	18.804	3.130	0.880
Mission Viejo	280	626.255	397.709	281.028	85.941	20.079	4.294	1.315
Mission Viejo	290	614.176	388.852	273.697	83.829	19.646	3.694	1.034
Mission Viejo	300	575.513	371.681	265.963	81.510	18.849	2.012	0.556
Mission Viejo	310	624.468	399.667	283.169	85.409	20.002	2.694	0.793
Mission Viejo	320	549.546	357.454	256.909	78.697	18.121	3.576	1.111
Mission Viejo	330	574.008	366.978	259.854	78.305	18.355	4.741	1.467
Mission Viejo	340	541.271	348.804	247.595	72.374	15.782	3.565	0.997
Mission Viejo	350	552.198	332.630	237.132	64.938	13.910	5.483	1.497
Mission Viejo	360	579.253	338.189	232.376	57.604	14.954	5.989	1.741
Ontario Arpt.	10	649.504	429.317	309.962	85.052	19.102	6.234	2.350
Ontario Arpt.	20	652.071	441.825	325.423	98.883	21.703	6.485	2.441
Ontario Arpt.	30	678.047	451.873	326.037	100.921	24.070	6.448	2.409
Ontario Arpt.	40	666.527	442.956	321.979	103.669	23.887	6.476	2.423
Ontario Arpt.	50	694.737	455.955	327.177	105.008	24.263	6.455	2.416
Ontario Arpt.	60	693.489	463.020	340.308	108.604	25.022	6.496	2.427
Ontario Arpt.	70	769.133	510.561	369.258	115.357	26.695	6.545	2.444
Ontario Arpt.	80	792.792	518.811	372.411	115.909	26.879	6.497	2.425
Ontario Arpt.	90	807.524	524.613	373.884	112.789	25.739	6.520	2.440
Ontario Arpt.	100	799.188	522.771	375.576	117.152	27.156	6.435	2.400
Ontario Arpt.	110	778.701	494.883	358.216	113.632	26.275	6.458	2.414
Ontario Arpt.	120	707.846	472.323	343.826	107.921	24.838	6.447	2.410
Ontario Arpt.	130	681.123	452.332	327.590	104.979	24.390	6.448	2.410
Ontario Arpt.	140	657.305	445.039	327.248	103.265	24.113	6.431	2.396
Ontario Arpt.	150	648.905	442.670	327.696	105.075	28.218	8.934	2.675
Ontario Arpt.	160	670.531	453.979	333.516	100.791	21.785	6.430	2.415
Ontario Arpt.	170	688.415	460.366	334.656	92.160	18.987	6.338	2.387
Ontario Arpt.	180	626.400	411.989	296.445	71.719	16.420	6.214	2.339
Ontario Arpt.	190	671.731	451.230	328.246	90.595	19.029	6.348	2.382
Ontario Arpt.	200	667.587	441.475	323.373	98.383	21.755	6.400	2.401

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Ontario Arpt.	210	690.623	466.574	341.206	106.357	24.328	6.404	2.393
Ontario Arpt.	220	712.190	476.477	346.557	107.696	24.788	6.415	2.399
Ontario Arpt.	230	729.053	481.309	345.290	107.545	24.684	6.454	2.419
Ontario Arpt.	240	715.497	477.131	348.521	110.223	25.360	6.484	2.430
Ontario Arpt.	250	844.385	556.268	400.184	123.954	28.564	6.271	2.323
Ontario Arpt.	260	811.582	530.195	379.621	118.594	27.494	6.359	2.349
Ontario Arpt.	270	863.865	548.714	383.454	116.473	25.819	6.490	2.426
Ontario Arpt.	280	819.640	519.952	375.681	118.085	27.369	6.279	2.339
Ontario Arpt.	290	822.950	544.825	393.255	122.583	28.318	6.423	2.400
Ontario Arpt.	300	743.175	479.231	348.941	110.455	25.453	6.254	2.330
Ontario Arpt.	310	691.632	463.786	338.808	106.728	24.480	6.303	2.352
Ontario Arpt.	320	672.170	454.780	334.021	106.026	24.346	6.276	2.346
Ontario Arpt.	330	702.993	472.220	345.599	109.165	25.085	6.487	2.431
Ontario Arpt.	340	651.630	440.843	323.814	97.801	21.475	6.234	2.335
Ontario Arpt.	350	647.998	431.897	313.832	86.532	18.737	6.042	2.273
Ontario Arpt.	360	641.171	423.108	302.877	72.702	16.333	6.282	2.369
Palm Springs Arpt.	10	592.111	388.129	279.026	75.827	15.623	5.128	1.920
Palm Springs Arpt.	20	618.813	410.336	297.233	87.886	18.812	5.169	1.927
Palm Springs Arpt.	30	603.837	402.722	294.117	92.294	21.274	5.298	1.969
Palm Springs Arpt.	40	616.962	410.878	299.229	93.489	21.513	5.382	2.002
Palm Springs Arpt.	50	633.729	419.432	304.832	95.083	21.881	5.230	1.939
Palm Springs Arpt.	60	665.961	440.035	318.191	98.868	22.810	5.142	1.906
Palm Springs Arpt.	70	674.857	442.877	319.171	99.370	23.005	5.330	1.975
Palm Springs Arpt.	80	710.665	459.228	327.893	101.814	23.712	5.250	1.934
Palm Springs Arpt.	90	729.571	466.569	331.384	99.656	22.215	5.305	1.968
Palm Springs Arpt.	100	713.628	460.682	328.141	101.383	23.585	5.400	2.003
Palm Springs Arpt.	110	685.959	448.983	322.818	100.126	23.174	5.277	1.958
Palm Springs Arpt.	120	637.042	419.708	304.530	95.261	21.986	5.291	1.960
Palm Springs Arpt.	130	633.387	412.586	294.436	89.740	20.689	5.292	1.964
Palm Springs Arpt.	140	611.230	403.900	293.115	91.097	20.948	5.313	1.976
Palm Springs Arpt.	150	604.482	402.145	292.390	90.965	20.957	5.318	1.978
Palm Springs Arpt.	160	603.329	394.578	281.721	82.878	17.782	5.345	1.999
Palm Springs Arpt.	170	647.504	424.601	304.665	82.433	15.921	5.333	1.993
Palm Springs Arpt.	180	567.831	368.159	261.581	62.295	13.941	5.154	1.933
Palm Springs Arpt.	190	570.803	378.316	274.381	75.656	15.767	5.234	1.937

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Palm Springs Arpt.	200	611.611	405.976	294.359	86.890	18.513	5.213	1.939
Palm Springs Arpt.	210	642.190	421.056	303.056	92.911	21.506	5.209	1.931
Palm Springs Arpt.	220	584.013	390.074	285.912	90.492	20.868	5.348	1.987
Palm Springs Arpt.	230	596.520	398.383	290.921	91.596	21.108	5.216	1.926
Palm Springs Arpt.	240	641.947	421.237	303.571	94.529	21.830	5.283	1.959
Palm Springs Arpt.	250	661.955	429.377	307.321	95.653	22.173	5.381	1.995
Palm Springs Arpt.	260	703.428	453.903	323.370	100.375	23.354	5.343	1.973
Palm Springs Arpt.	270	718.818	460.958	326.387	97.893	21.889	5.460	2.025
Palm Springs Arpt.	280	706.459	455.590	324.948	100.325	23.346	5.469	2.016
Palm Springs Arpt.	290	659.585	427.504	307.548	96.412	22.371	5.384	1.995
Palm Springs Arpt.	300	660.549	429.858	306.655	95.344	22.013	5.401	1.999
Palm Springs Arpt.	310	620.197	406.640	293.391	92.190	21.251	5.332	1.981
Palm Springs Arpt.	320	626.626	414.324	299.554	91.823	21.126	5.296	1.965
Palm Springs Arpt.	330	607.725	402.861	292.147	91.442	21.090	5.343	1.979
Palm Springs Arpt.	340	641.907	424.620	306.766	89.993	19.199	5.765	1.908
Palm Springs Arpt.	350	618.954	405.994	291.561	78.756	15.779	5.152	1.929
Palm Springs Arpt.	360	640.610	408.409	286.509	67.215	13.757	5.059	1.892
Perris	10	640.494	404.997	283.474	74.662	14.536	4.847	1.415
Perris	20	658.164	423.836	301.012	86.640	18.781	3.544	1.298
Perris	30	618.951	396.124	284.519	89.012	20.507	3.640	1.324
Perris	40	679.281	440.055	313.958	95.317	22.184	3.870	1.349
Perris	50	701.790	453.640	323.219	98.243	22.886	4.469	1.362
Perris	60	682.369	418.501	298.768	92.706	21.378	3.620	1.315
Perris	70	721.544	454.685	318.378	94.960	22.140	3.596	1.311
Perris	80	759.480	477.468	334.486	101.568	24.022	3.615	1.309
Perris	90	704.472	451.438	319.530	95.777	21.388	3.529	1.287
Perris	100	691.910	446.228	317.995	98.176	22.857	3.536	1.280
Perris	110	659.349	429.782	308.531	95.611	22.145	3.648	1.322
Perris	120	646.275	415.642	300.330	93.424	21.565	3.712	1.359
Perris	130	679.540	436.767	309.420	92.487	21.435	4.651	1.403
Perris	140	664.688	429.729	306.145	92.647	21.553	4.428	1.413
Perris	150	665.679	424.130	297.794	89.395	20.589	3.834	1.405
Perris	160	665.679	424.130	297.794	86.347	18.755	3.803	1.397
Perris	170	646.917	411.257	289.547	76.659	14.900	3.704	1.372
Perris	180	615.476	381.420	262.171	64.202	10.967	3.844	1.429



**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu\text{g}/\text{m}^3}{\text{lb}/\text{hr}}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Perris	190	646.099	410.346	288.380	75.837	14.705	3.621	1.332
Perris	200	659.930	421.850	297.449	83.863	18.067	3.719	1.370
Perris	210	679.020	437.322	310.222	92.551	21.388	3.682	1.344
Perris	220	682.453	441.499	314.684	95.309	22.155	3.707	1.353
Perris	230	702.862	454.469	323.856	98.459	22.940	5.709	1.761
Perris	240	630.490	414.426	299.201	92.856	21.412	3.839	1.373
Perris	250	654.862	426.451	305.952	94.721	21.937	3.704	1.343
Perris	260	746.468	463.474	321.214	98.357	22.882	3.727	1.354
Perris	270	736.970	452.229	318.803	95.374	21.281	3.520	1.280
Perris	280	753.436	471.961	329.667	99.317	23.421	3.336	1.200
Perris	290	719.787	458.067	323.007	97.939	23.019	3.554	1.279
Perris	300	682.810	434.237	306.222	92.659	21.446	4.324	1.338
Perris	310	684.950	439.901	311.531	93.059	21.551	4.576	1.362
Perris	320	681.393	441.268	314.666	95.344	22.163	3.743	1.298
Perris	330	684.114	443.216	316.207	95.935	22.313	4.595	1.319
Perris	340	657.980	423.609	301.065	86.947	18.859	3.771	1.385
Perris	350	656.023	416.802	292.963	77.190	15.006	3.849	1.427
Perris	360	644.530	402.016	278.241	71.463	10.724	3.800	1.405
Pico Rivera	10	478.965	285.177	202.573	55.113	11.726	4.250	1.278
Pico Rivera	20	489.809	306.183	213.410	61.832	13.421	3.148	1.002
Pico Rivera	30	489.809	306.183	219.195	67.016	15.583	2.886	0.860
Pico Rivera	40	480.930	310.024	221.486	67.309	15.616	2.637	0.817
Pico Rivera	50	532.023	336.690	236.832	70.649	16.716	4.367	1.359
Pico Rivera	60	515.684	320.750	228.229	69.498	16.193	3.117	0.760
Pico Rivera	70	522.311	332.105	234.828	71.467	16.723	2.910	0.925
Pico Rivera	80	542.386	342.295	240.878	73.237	17.226	2.211	0.583
Pico Rivera	90	541.415	340.321	238.532	70.781	16.035	2.483	0.696
Pico Rivera	100	543.657	342.943	241.629	73.559	17.499	2.388	0.621
Pico Rivera	110	520.628	330.360	233.529	70.765	16.532	2.016	0.474
Pico Rivera	120	502.496	322.180	229.264	69.831	16.266	2.136	0.617
Pico Rivera	130	488.571	314.053	223.912	68.019	15.795	1.827	0.559
Pico Rivera	140	484.897	306.941	219.255	66.616	15.461	1.725	0.530
Pico Rivera	150	468.816	302.709	216.391	65.795	15.285	1.407	0.440
Pico Rivera	160	455.806	293.345	209.411	61.422	13.218	1.415	0.440
Pico Rivera	170	442.751	283.621	201.380	56.701	10.495	1.407	0.440



**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Pico Rivera	180	430.585	272.862	191.811	50.224	7.400	1.407	0.440
Pico Rivera	190	440.846	282.554	200.591	53.961	10.454	1.407	0.440
Pico Rivera	200	493.785	309.461	215.641	62.621	13.391	1.428	0.440
Pico Rivera	210	500.888	316.369	222.075	67.168	15.620	1.935	0.570
Pico Rivera	220	484.562	310.330	221.787	67.481	15.736	1.935	0.570
Pico Rivera	230	511.640	315.104	224.894	68.470	15.912	2.477	0.653
Pico Rivera	240	546.345	344.976	242.625	73.068	17.374	3.016	0.959
Pico Rivera	250	532.478	331.912	234.613	71.361	16.691	2.279	0.601
Pico Rivera	260	541.603	342.571	241.354	73.471	17.294	1.562	0.440
Pico Rivera	270	544.924	342.563	240.265	71.395	16.178	2.403	0.536
Pico Rivera	280	540.087	340.599	239.893	73.070	17.202	3.523	0.983
Pico Rivera	290	565.215	354.720	248.514	75.010	17.918	3.378	0.919
Pico Rivera	300	518.053	322.316	228.630	69.630	16.334	3.506	0.951
Pico Rivera	310	534.590	338.445	238.109	71.042	16.808	4.152	1.266
Pico Rivera	320	499.869	317.300	223.765	68.093	15.925	2.255	0.653
Pico Rivera	330	469.382	304.451	218.364	66.734	15.514	2.873	0.860
Pico Rivera	340	458.852	296.889	212.411	61.910	13.431	3.231	0.908
Pico Rivera	350	450.806	286.528	203.539	56.900	12.334	4.201	1.325
Pico Rivera	360	571.323	332.609	213.343	50.236	15.621	5.850	1.813
Redlands	10	576.613	376.579	270.751	73.544	13.947	4.128	1.474
Redlands	20	588.707	389.680	282.468	83.745	17.924	3.823	1.329
Redlands	30	633.441	416.761	299.889	91.025	20.882	4.467	1.648
Redlands	40	627.425	402.005	290.147	89.277	20.554	5.255	1.646
Redlands	50	642.785	422.245	302.740	91.891	21.146	4.698	1.724
Redlands	60	702.885	456.924	325.898	98.220	22.459	4.316	1.572
Redlands	70	662.181	431.540	309.641	95.781	22.158	4.843	1.787
Redlands	80	709.941	457.530	325.181	99.551	23.099	4.806	1.768
Redlands	90	735.347	469.947	331.745	98.622	21.960	4.767	1.765
Redlands	100	736.785	471.812	333.569	101.480	23.621	4.673	1.717
Redlands	110	680.453	436.071	312.778	96.804	22.414	4.635	1.704
Redlands	120	636.207	416.048	298.928	92.310	21.315	4.632	1.709
Redlands	130	617.736	408.070	295.555	91.784	21.142	4.085	1.439
Redlands	140	615.451	401.661	289.373	88.503	20.355	4.622	1.702
Redlands	150	602.479	397.398	288.809	89.783	20.671	4.214	1.371
Redlands	160	611.678	403.666	291.523	85.771	18.353	3.954	1.232

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Redlands	170	579.258	377.362	270.291	73.093	13.907	4.482	1.670
Redlands	180	564.701	361.492	254.649	63.685	12.200	4.419	1.653
Redlands	190	568.385	373.163	268.840	73.247	14.183	5.149	1.698
Redlands	200	566.930	371.606	267.069	79.859	17.144	5.541	1.644
Redlands	210	606.104	404.772	294.310	91.452	21.119	4.867	1.746
Redlands	220	611.676	408.270	297.215	92.705	21.381	5.735	1.790
Redlands	230	621.010	409.257	295.831	91.478	21.052	4.624	1.710
Redlands	240	651.272	415.215	300.166	93.320	21.512	4.779	1.731
Redlands	250	652.837	417.081	299.160	93.337	21.641	5.190	1.713
Redlands	260	708.194	457.382	325.942	100.653	23.467	4.614	1.700
Redlands	270	716.497	457.051	324.107	97.390	21.744	5.477	1.673
Redlands	280	709.317	449.416	318.363	97.683	22.803	4.544	1.667
Redlands	290	678.989	433.692	311.235	96.565	22.351	4.447	1.629
Redlands	300	657.823	417.741	298.207	92.508	21.366	4.021	1.459
Redlands	310	632.875	416.380	299.982	92.691	21.323	3.052	1.048
Redlands	320	607.183	402.861	292.661	90.985	20.910	3.362	1.149
Redlands	330	596.310	395.093	286.617	89.245	20.546	4.200	1.541
Redlands	340	584.242	384.328	277.218	81.605	17.450	3.602	1.249
Redlands	350	614.221	383.305	269.975	73.641	14.090	3.996	1.483
Redlands	360	633.248	400.669	278.982	64.709	12.063	4.449	1.653
Riverside Arpt.	10	581.233	381.838	274.554	74.573	14.541	4.583	1.711
Riverside Arpt.	20	585.687	387.514	280.828	83.250	17.821	4.316	1.598
Riverside Arpt.	30	661.657	433.936	311.693	95.142	21.984	5.265	1.628
Riverside Arpt.	40	654.897	431.263	310.635	95.317	22.030	4.748	1.755
Riverside Arpt.	50	688.876	454.024	327.394	100.737	23.171	4.864	1.803
Riverside Arpt.	60	698.454	453.881	323.672	97.547	22.317	4.901	1.678
Riverside Arpt.	70	673.005	437.533	311.569	95.258	22.082	6.079	1.764
Riverside Arpt.	80	711.703	457.234	324.501	99.179	23.042	4.875	1.797
Riverside Arpt.	90	731.616	467.406	329.901	98.066	21.844	4.872	1.805
Riverside Arpt.	100	738.288	472.739	334.215	101.672	23.659	4.787	1.767
Riverside Arpt.	110	671.009	433.950	311.679	96.658	22.405	5.422	1.787
Riverside Arpt.	120	650.172	418.086	301.254	93.528	21.583	4.602	1.697
Riverside Arpt.	130	629.644	406.347	293.623	91.142	21.000	4.451	1.635
Riverside Arpt.	140	626.504	401.572	290.373	90.606	20.832	4.801	1.680
Riverside Arpt.	150	646.144	420.770	299.947	89.797	20.596	4.704	1.739

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Riverside Arpt.	160	605.754	399.189	288.063	84.672	18.134	4.629	1.721
Riverside Arpt.	170	577.305	376.045	269.477	73.305	13.914	4.446	1.653
Riverside Arpt.	180	561.432	359.273	253.038	63.325	12.355	4.547	1.689
Riverside Arpt.	190	575.815	375.347	268.922	72.883	14.292	4.686	1.740
Riverside Arpt.	200	614.044	404.482	291.184	85.340	18.383	4.848	1.776
Riverside Arpt.	210	602.938	402.443	292.525	90.860	20.988	4.722	1.746
Riverside Arpt.	220	609.336	406.498	295.835	92.234	21.275	4.724	1.746
Riverside Arpt.	230	629.513	416.009	300.642	92.552	21.251	4.722	1.746
Riverside Arpt.	240	632.878	415.288	299.832	93.037	21.470	4.767	1.762
Riverside Arpt.	250	674.205	440.760	316.849	98.398	22.801	4.724	1.744
Riverside Arpt.	260	754.931	481.116	338.511	101.773	23.588	4.711	1.727
Riverside Arpt.	270	730.748	466.353	327.994	98.285	22.074	4.802	1.780
Riverside Arpt.	280	734.225	473.488	336.095	103.101	24.066	4.612	1.694
Riverside Arpt.	290	692.212	448.422	318.948	96.482	22.229	4.723	1.739
Riverside Arpt.	300	734.082	474.512	337.028	101.127	23.204	4.722	1.745
Riverside Arpt.	310	686.085	450.346	325.216	100.316	23.142	4.703	1.738
Riverside Arpt.	320	608.193	401.391	290.779	90.358	20.771	4.753	1.759
Riverside Arpt.	330	656.550	434.385	314.721	97.188	22.321	4.517	1.667
Riverside Arpt.	340	615.341	391.241	280.852	83.465	17.853	4.433	1.641
Riverside Arpt.	350	576.745	376.403	269.922	73.043	14.358	4.938	1.846
Riverside Arpt.	360	584.631	366.613	256.632	64.432	12.127	4.467	1.660
Santa Monica Arpt.	10	513.453	321.659	229.388	61.802	11.916	3.066	1.128
Santa Monica Arpt.	20	515.244	335.646	240.491	69.811	15.085	3.669	1.138
Santa Monica Arpt.	30	515.292	336.137	241.940	74.927	17.372	3.235	1.181
Santa Monica Arpt.	40	528.389	345.063	248.325	76.272	17.667	3.943	1.180
Santa Monica Arpt.	50	539.651	351.089	251.917	77.178	17.889	3.545	1.181
Santa Monica Arpt.	60	555.259	359.488	257.125	78.790	18.300	4.377	1.310
Santa Monica Arpt.	70	577.798	370.847	264.510	81.248	18.942	3.412	1.164
Santa Monica Arpt.	80	639.846	408.589	288.547	88.304	20.869	3.180	1.150
Santa Monica Arpt.	90	632.742	396.929	277.366	81.623	18.411	3.944	1.115
Santa Monica Arpt.	100	614.499	391.470	276.603	84.249	19.719	3.039	1.105
Santa Monica Arpt.	110	585.384	377.222	268.815	82.478	19.227	3.078	1.115
Santa Monica Arpt.	120	588.200	381.315	272.587	83.442	19.405	2.935	1.060
Santa Monica Arpt.	130	540.228	353.099	253.351	77.427	18.012	3.113	1.132
Santa Monica Arpt.	140	558.320	364.914	261.977	80.061	18.615	2.923	1.056

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr} \frac{m^3}{hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Santa Monica Arpt.	150	539.842	354.577	255.352	78.365	18.228	3.235	1.180
Santa Monica Arpt.	160	540.485	350.663	250.283	72.129	15.542	3.063	1.122
Santa Monica Arpt.	170	516.809	331.685	234.453	62.883	12.164	3.042	1.121
Santa Monica Arpt.	180	504.542	320.143	224.433	56.366	9.113	3.100	1.147
Santa Monica Arpt.	190	512.408	331.917	236.960	63.902	12.320	3.073	1.110
Santa Monica Arpt.	200	508.222	331.679	238.433	69.892	15.089	3.160	1.156
Santa Monica Arpt.	210	540.629	350.288	251.636	76.800	17.822	3.105	1.129
Santa Monica Arpt.	220	547.961	358.307	257.049	78.270	18.160	3.084	1.124
Santa Monica Arpt.	230	599.969	387.745	276.199	83.520	19.384	3.077	1.120
Santa Monica Arpt.	240	557.751	361.651	259.182	79.648	18.488	2.988	1.078
Santa Monica Arpt.	250	573.624	367.906	262.373	80.723	18.833	3.081	1.116
Santa Monica Arpt.	260	602.666	384.114	271.749	83.215	19.544	3.168	1.149
Santa Monica Arpt.	270	607.503	385.793	271.794	81.078	18.240	3.108	1.132
Santa Monica Arpt.	280	604.616	384.744	271.964	83.126	19.493	3.145	1.139
Santa Monica Arpt.	290	607.704	388.857	275.558	83.843	19.558	3.205	1.162
Santa Monica Arpt.	300	551.207	357.441	255.959	78.577	18.249	3.753	1.121
Santa Monica Arpt.	310	537.824	347.600	249.702	76.838	17.789	3.127	1.135
Santa Monica Arpt.	320	527.903	343.266	246.138	74.961	17.335	2.992	1.084
Santa Monica Arpt.	330	521.972	336.759	240.162	73.850	17.125	4.306	1.148
Santa Monica Arpt.	340	505.633	330.271	237.573	69.887	15.085	3.315	1.095
Santa Monica Arpt.	350	494.878	319.054	227.175	60.912	11.723	2.929	1.075
Santa Monica Arpt.	360	513.453	321.659	222.704	56.436	9.196	3.079	1.139
Upland	10	555.373	345.876	239.980	63.174	12.070	2.793	0.750
Upland	20	555.373	345.876	245.990	71.955	15.439	2.554	0.674
Upland	30	538.038	349.286	251.434	77.169	17.789	3.822	1.069
Upland	40	550.750	358.150	257.230	78.714	18.122	3.028	0.915
Upland	50	561.055	364.068	261.063	79.916	18.425	3.495	0.954
Upland	60	611.698	386.244	271.072	81.271	18.947	4.127	1.261
Upland	70	598.834	383.543	272.526	83.246	19.321	3.901	1.164
Upland	80	626.468	397.965	281.130	85.801	20.033	3.624	0.978
Upland	90	645.363	401.670	282.193	83.845	18.833	3.848	1.183
Upland	100	627.698	398.667	281.537	85.816	20.024	3.728	1.053
Upland	110	607.091	383.543	272.526	83.246	19.321	3.950	1.212
Upland	120	597.761	380.200	268.225	81.414	19.134	3.836	0.999
Upland	130	562.165	364.808	261.616	80.103	18.472	3.203	0.874

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g/m^3}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Upland	140	553.217	357.852	257.001	78.637	18.104	2.558	0.714
Upland	150	574.559	364.124	256.266	78.343	18.070	2.394	0.714
Upland	160	552.555	355.209	252.039	72.840	16.058	3.199	0.684
Upland	170	532.439	337.016	237.260	64.983	14.553	5.052	1.475
Upland	180	554.323	341.406	234.907	58.933	10.880	4.156	1.063
Upland	190	546.571	342.042	238.299	63.932	12.307	2.771	0.812
Upland	200	572.130	353.008	247.315	72.389	15.533	4.951	1.463
Upland	210	608.407	387.571	273.800	81.780	19.093	4.951	1.463
Upland	220	552.614	357.603	256.809	78.572	18.090	2.576	0.770
Upland	230	561.542	364.421	261.334	80.007	18.446	2.120	0.596
Upland	240	576.691	372.635	266.372	81.561	18.857	3.009	0.817
Upland	250	622.700	390.231	272.968	82.243	19.365	3.009	0.817
Upland	260	622.159	394.920	278.858	85.058	19.862	2.872	0.832
Upland	270	652.561	402.430	280.564	83.325	18.739	2.608	0.719
Upland	280	622.953	394.720	278.198	84.657	19.756	1.892	0.484
Upland	290	587.508	373.630	265.074	80.913	18.804	1.942	0.560
Upland	300	570.809	368.203	262.872	80.275	18.549	1.680	0.462
Upland	310	589.492	374.574	263.399	77.861	18.191	2.048	0.635
Upland	320	614.264	391.550	276.708	82.720	19.302	3.078	0.978
Upland	330	577.430	356.281	250.972	76.828	17.700	2.876	0.810
Upland	340	512.649	333.122	238.925	69.750	14.983	1.701	0.462
Upland	350	516.291	331.570	235.612	63.320	12.060	1.476	0.462
Upland	360	492.585	311.580	218.245	56.352	8.367	2.268	0.595
USC/Downtown L.A.	10	555.030	358.365	254.880	68.522	13.060	3.593	0.938
USC/Downtown L.A.	20	562.801	368.086	264.743	77.494	16.603	2.991	0.700
USC/Downtown L.A.	30	592.076	387.124	278.295	85.022	19.559	2.440	0.656
USC/Downtown L.A.	40	602.648	393.365	282.960	86.681	19.938	2.976	0.746
USC/Downtown L.A.	50	614.124	399.781	286.461	87.395	20.132	4.794	1.304
USC/Downtown L.A.	60	631.676	408.685	292.512	89.748	20.723	3.708	1.082
USC/Downtown L.A.	70	657.404	421.964	299.537	91.465	21.217	3.962	1.230
USC/Downtown L.A.	80	675.915	429.241	303.600	92.951	21.713	3.721	1.090
USC/Downtown L.A.	90	687.531	435.333	306.198	91.214	20.482	3.345	0.937
USC/Downtown L.A.	100	683.125	434.911	306.890	93.513	21.845	2.690	0.798
USC/Downtown L.A.	110	653.006	417.949	297.275	90.856	21.058	2.766	0.833
USC/Downtown L.A.	120	632.879	408.930	291.561	88.740	20.492	2.924	0.803

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
USC/Downtown L.A.	130	606.811	395.355	283.751	86.863	20.006	3.122	0.892
USC/Downtown L.A.	140	602.738	393.235	282.629	86.448	19.873	1.721	0.475
USC/Downtown L.A.	150	589.748	385.841	277.525	84.919	19.547	1.464	0.473
USC/Downtown L.A.	160	575.464	374.176	267.923	77.890	16.698	1.821	0.555
USC/Downtown L.A.	170	558.237	359.730	255.783	68.331	13.047	2.013	0.531
USC/Downtown L.A.	180	542.473	343.367	240.155	62.497	9.174	1.732	0.453
USC/Downtown L.A.	190	557.701	360.758	257.299	69.138	13.182	1.481	0.449
USC/Downtown L.A.	200	574.258	373.296	267.214	77.711	16.661	1.374	0.451
USC/Downtown L.A.	210	585.007	383.088	275.740	84.405	19.407	1.665	0.465
USC/Downtown L.A.	220	587.948	384.194	276.152	84.437	19.437	2.723	0.784
USC/Downtown L.A.	230	591.821	385.746	276.694	84.365	19.385	2.723	0.784
USC/Downtown L.A.	240	618.542	400.640	286.224	87.507	20.188	2.498	0.752
USC/Downtown L.A.	250	652.415	418.877	297.483	90.746	21.048	2.301	0.655
USC/Downtown L.A.	260	652.146	418.631	296.528	90.887	21.310	2.084	0.596
USC/Downtown L.A.	270	678.838	427.251	299.018	88.006	19.699	1.586	0.464
USC/Downtown L.A.	280	667.871	425.785	300.762	91.753	21.420	1.885	0.558
USC/Downtown L.A.	290	656.229	420.935	298.632	90.895	21.080	1.879	0.472
USC/Downtown L.A.	300	633.849	409.623	292.127	89.482	20.648	2.010	0.528
USC/Downtown L.A.	310	612.292	399.690	287.244	88.112	20.285	4.585	1.199
USC/Downtown L.A.	320	575.652	376.567	271.420	83.393	19.225	5.297	1.506
USC/Downtown L.A.	330	590.769	385.805	277.025	84.493	19.458	3.155	0.856
USC/Downtown L.A.	340	573.616	373.199	267.953	78.074	16.692	3.016	0.798
USC/Downtown L.A.	350	560.344	359.733	254.478	71.575	13.003	2.831	0.804
USC/Downtown L.A.	360	532.392	340.413	239.858	62.506	9.002	2.728	0.604
Van Nuys Arpt.	10	558.302	365.479	264.072	72.342	13.756	4.517	1.685
Van Nuys Arpt.	20	592.389	392.286	283.480	83.593	18.035	4.551	1.697
Van Nuys Arpt.	30	597.720	384.318	280.689	88.215	20.383	4.461	1.652
Van Nuys Arpt.	40	658.752	436.741	315.843	97.024	22.288	4.485	1.663
Van Nuys Arpt.	50	614.608	399.740	288.973	90.061	20.797	4.464	1.652
Van Nuys Arpt.	60	626.171	411.689	297.042	92.188	21.349	4.629	1.676
Van Nuys Arpt.	70	725.166	472.205	337.669	104.025	24.173	4.582	1.692
Van Nuys Arpt.	80	731.068	463.729	325.032	100.088	23.486	4.589	1.687
Van Nuys Arpt.	90	706.819	455.542	323.352	97.210	21.747	4.597	1.706
Van Nuys Arpt.	100	683.826	442.860	316.402	98.507	23.039	4.662	1.726
Van Nuys Arpt.	110	652.865	429.447	308.992	96.072	22.419	4.650	1.720

**Table 3: Hourly Receptor Proximity Adjustment Factors  $\left(\frac{\mu g}{lb/hr} \frac{m^3}{hr}\right)$  cont'd**

Met Station	Angle	50 M	75 M	100 M	200 M	300 M	500 M	1,000 M
Van Nuys Arpt.	120	622.516	412.135	297.765	92.985	21.521	4.659	1.724
Van Nuys Arpt.	130	616.357	406.555	292.462	90.401	20.877	4.583	1.699
Van Nuys Arpt.	140	632.597	415.919	299.022	92.257	21.280	4.514	1.669
Van Nuys Arpt.	150	637.603	420.278	302.227	91.647	21.047	4.516	1.664
Van Nuys Arpt.	160	605.417	403.244	292.414	86.598	18.637	4.569	1.702
Van Nuys Arpt.	170	564.595	371.010	267.227	72.893	13.888	4.488	1.672
Van Nuys Arpt.	180	601.593	378.819	262.689	61.024	11.975	4.535	1.701
Van Nuys Arpt.	190	601.593	378.819	262.689	71.059	13.643	4.482	1.668
Van Nuys Arpt.	200	552.865	362.991	263.745	78.847	16.950	4.433	1.650
Van Nuys Arpt.	210	567.556	376.987	274.109	85.194	19.692	4.482	1.662
Van Nuys Arpt.	220	595.902	395.564	287.344	89.335	20.581	4.467	1.645
Van Nuys Arpt.	230	592.632	390.765	283.514	88.957	20.534	4.610	1.711
Van Nuys Arpt.	240	633.214	414.703	299.160	93.212	21.555	4.626	1.709
Van Nuys Arpt.	250	639.235	415.988	297.654	93.230	21.646	4.434	1.638
Van Nuys Arpt.	260	680.823	441.840	315.877	97.901	22.829	4.589	1.689
Van Nuys Arpt.	270	684.276	442.358	314.657	94.888	21.199	4.567	1.693
Van Nuys Arpt.	280	671.009	435.283	311.742	96.907	22.588	4.645	1.720
Van Nuys Arpt.	290	650.303	424.821	305.275	94.676	21.944	4.642	1.720
Van Nuys Arpt.	300	619.218	409.041	296.153	92.337	21.351	4.641	1.722
Van Nuys Arpt.	310	607.361	400.941	290.100	89.883	20.742	4.644	1.724
Van Nuys Arpt.	320	613.330	409.890	298.947	93.583	21.574	4.589	1.702
Van Nuys Arpt.	330	581.125	388.721	283.205	88.614	20.500	4.609	1.712
Van Nuys Arpt.	340	572.079	374.397	271.579	81.056	17.381	5.158	1.678
Van Nuys Arpt.	350	558.115	364.863	262.802	72.374	13.764	4.664	1.741
Van Nuys Arpt.	360	546.746	353.689	249.904	60.581	11.944	4.526	1.692



# AB 2588 Toxic Hot Spots 2018 Annual Report

**Governing Board Meeting  
September 6, 2019**





# Introduction

- H&S Code §44363 requires a public hearing to present results of Annual Report
- AB 2588 Program Annual Report summarizes
  - Activities implemented under AB 2588 “Hot Spots Act” consistent with state law
  - South Coast AQMD activities to reduce toxic air contaminants
  - Future activities relating to AB 2588

# Goals and Objectives of AB 2588

Air Toxics “Hot Spots” Information and Assessment Act (1987)

Collect  
emissions data  
for air toxics

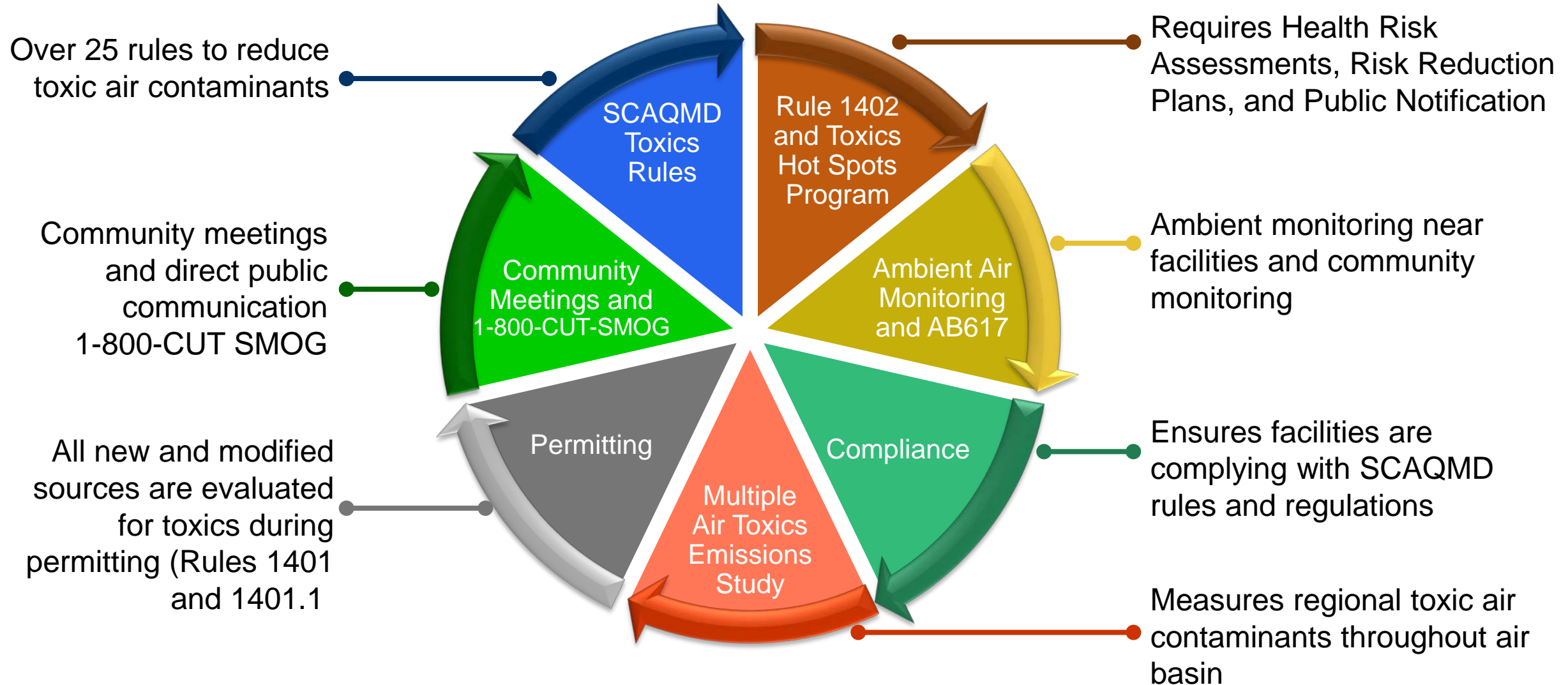
Identify facilities  
with localized  
impacts

Determine  
potential health  
risks

Provide public  
notification

Reduce  
significant risks

# AB 2588 is one Component of the Air Toxics Program



# Pathways for Facilities in Rule 1402

## Traditional Approach

Facilities with cancer risks <100 per million

- Air Toxic Inventory Report
- Health Risk Assessment
- Public Notification (if cancer risks > 10 per million)
- Risk Reduction Plan (if cancer risks > 25 per million)

## Voluntary Risk Reduction Program

Facilities with cancer risks <100 per million and approved Health Risk Assessment

- Air Toxic Inventory Report
- Voluntary Risk Reduction Plan committing to reduce cancer risks below 10 per million
- Modified Public Notification

## Potentially High Risk Level

Facilities with cancer risks >100 per million

- Early Action Reduction Plan
- Air Toxic Inventory Report
- Health Risk Assessment
- Public Notification (if cancer risks > 10 per million)
- Risk Reduction Plan (if cancer risks > 25 per million)

# Facility Data Reviews in 2018

**196**

Reviews

2

## Revised Priority Score

- 2 Revised Priority Score < 10 (No further action)

168

## Traditional AB 2588

- 140 Quadrennial Emission Reports
- 17 Air Toxics Inventory Reports
- 10 Health Risk Assessments
- 1 Risk Reduction Plan

7

## Voluntary Risk Reduction Program

- 7 Voluntary Risk Reduction Plans

19

## Potentially High Risk Level Facilities

- 1 Early Action Reduction Plan
- 7 Air Toxics Inventory Reports
- 7 Health Risk Assessments
- 4 Risk Reduction Plans

# Summary of Rule 1402 Actions for Facilities in 2018

## Revised Priority Score < 10

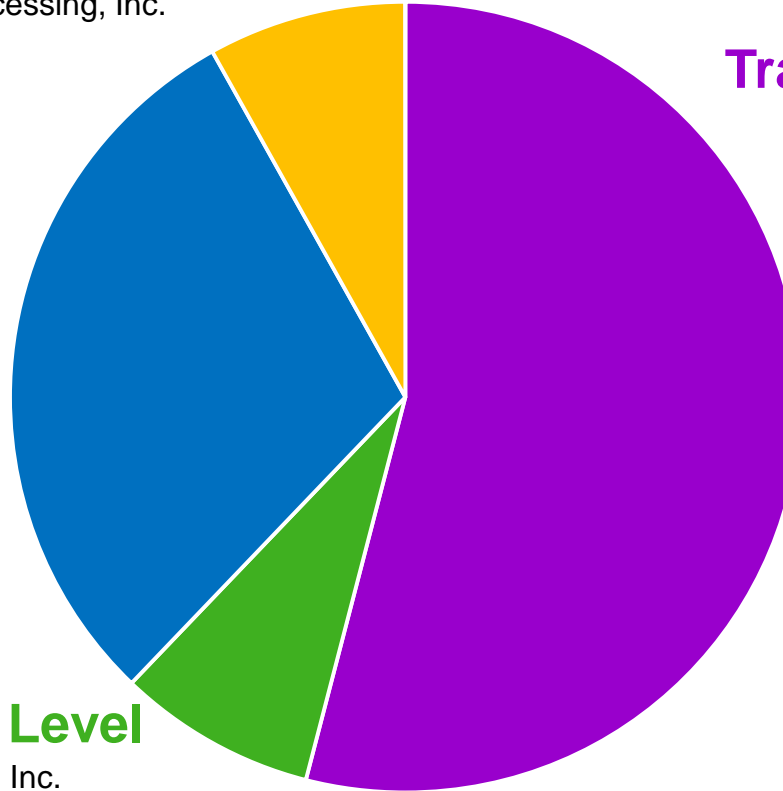
- The Boeing Company
- Garrett Aviation Services, LLC dba Standard Aero
- Triumph Processing, Inc.

## Voluntary Risk Reduction Program

- Chevron Products Co.
- Elite Comfort Solutions
- LA City, Sanitation Bureau (HTP)
- OCSD, Fountain Valley
- OCSD, Huntington Beach
- Phillips 66 Co. (Carson Refinery)
- Tesoro Ref & Mktg Co., LLC, Calciner
- Tesoro Ref & Mktg Co., LLC, Refinery
- Tesoro Ref & Mktg Co., LLC, SRP
- Torrance Refining Company, LLC
- Ultramar Valero Refinery

## Potentially High Risk Level

- Aerocraft Heat Treating Co., Inc.
- Anaplex Corp.
- Lubeco Inc.



## Traditional AB 2588 Program

- Arconic Global Fasteners & Rings
- Boral Roofing, LLC
- Eisenhower Medical Center
- Equilon Enterprises, LLC, Shell
- Fontana Paper Mills Inc.
- Gerdau/TAMCO
- Glendale City Water & Power
- GS II, Inc.
- Hixson Metal Finishing
- Holliday Rock Co., Inc.
- Kirkhill Inc.
- MM West Covina, LLC
- Quemetco
- Phillips 66 Co. (Wilmington Refinery)
- So Cal Edison Co. Pebbly Beach
- So Cal Gas, Playa del Rey Storage Facility
- So Cal Holding, LLC
- Southern California Edison
- TST, Inc.
- University of California, Riverside



# Other Key Toxics-Related Activities in 2018

## Rulemaking



### Amended Rule 1469

Amendments further reduce hexavalent chromium emissions by establishing new requirements for certain hexavalent chromium-containing tanks that were not previously regulated.

## Special Monitoring

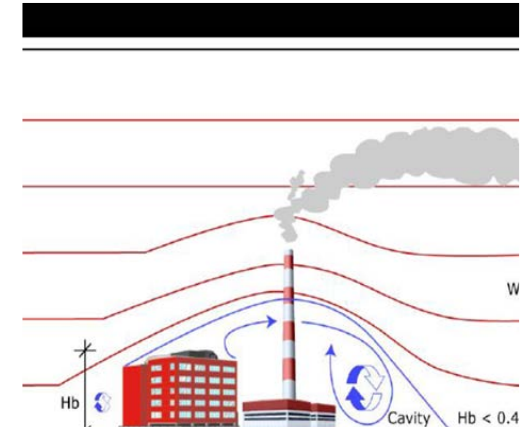


Continued air monitoring in Paramount

Continued air monitoring in Compton

Conducted a five week mobile monitoring campaign in the Greater Los Angeles area

## Other



Reviewed air dispersion modeling for lead emissions from four facilities under Rule 1420.2

Reviewed requests for alternative PM10 limits for two facilities under Rule 1466

# Projected 2019 Toxics-Related Activities

- Audit quadrennial emissions inventories for approximately 70 facilities
- Develop Proposed Rules 1407.1, 1480
- Develop proposed amendments to Rules 1403 and 1407
- Develop measures to address modified hydrofluoric acid
- Track development of potential additions or revisions to health risk values by OEHHA
- Work with CARB and CAPCOA to update AB 2588 guidelines, including a proposed list of additional chemicals to be added



# Facility Prioritization Procedures

- South Coast AQMD has specific procedures for prioritizing AB 2588 facilities
  - Consistent with CAPCOA Guidelines
  - Uses emissions, toxicity, proximity to receptors, and meteorology specific to South Coast AQMD
- Previous September 2018 revision incorporated the latest meteorological dataset
- Latest version corrects transcriptional errors
  - Calculation of cancer score
  - Acute score (emissions basis is pounds per hour, not per year)

# Recommendation

- Receive and File the 2018 Annual Report on the AB 2588 Program
- Approve Updates to Facility Prioritization Procedure