

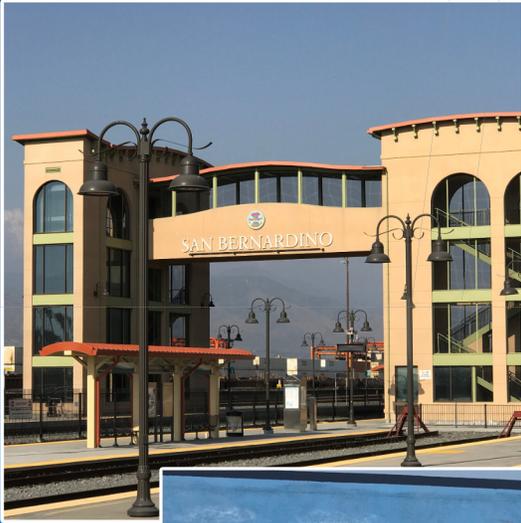
ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES

# COMMUNITY EMISSIONS REDUCTION PLAN

SAN BERNARDINO,  
MUSCOY

JULY 2019 DRAFT

SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



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## Executive Summary

This Community Emissions Reduction Plan (CERP) outlines the actions and commitments by the Community Steering Committee (CSC), the South Coast AQMD, and the California Air Resources Board (CARB) to reduce air pollution in the San Bernardino, Muscoy community. An essential piece of the AB 617 program is the partnership and collaboration with the community to ensure that the CERP addresses the community's air quality priorities. At the center of these efforts is the CSC that was established, in part, to participate in the development and implementation of these plans. The CSC is a diverse group of people who live, work, own businesses, and/or attend school within the community. Local land use agencies, the local public health department, a local utility, and representatives from local universities and elected officials who serve the community are also part of the CSC. CSC members provided guidance, insight, critique, and community wisdom, all of which were elements in the development of the CERP. The CERP is a critical part of implementing Assembly Bill 617 (AB 617), which is a California law that addresses the disproportionate impacts of air pollution in environmental justice communities. The AB 617 program aims to invest new resources and conduct focused actions in these communities to improve air quality as a step toward environmental equity.

The San Bernardino, Muscoy community identified the following air quality priorities to be addressed by this plan:

- Neighborhood truck traffic
- Warehouse on-site emissions
- Omnitrans bus yard
- Railyards
- Concrete batch, asphalt batch, and rock and aggregate plants
- Schools, childcare centers, community centers, and homes – exposure reduction

At its core, this plan seeks to address the identified priorities with actions that reduce air pollution emissions from sources within this local community as well as reduce air pollution exposures to the people in this community. The plan includes targeted actions using complementary strategies, including developing and enforcing regulations, providing incentives to accelerate the adoption of cleaner technologies, and conducting outreach to provide useful information to support the public in making informed choices. Additionally, air monitoring strategies will be used to help provide critical information to help guide investigations or provide public information. Collaborative efforts with other agencies, organizations, businesses, and other stakeholders will amplify the impact of these actions. Many of the actions will only be conducted during the time frame of this plan, there are also many actions (such as regulation, ongoing enforcement activities, and certain incentive programs) that will be ongoing activities conducted by the South Coast AQMD.

This plan seeks to bring real air quality improvements in the San Bernardino, Muscoy community, through focused efforts and community partnerships. The CSC will continue to be engaged throughout the process of implementing the CERP and tracking its progress.

### The Reader's Guide to the CERP

The opening chapters provide background information about the AB 617 program and timeline (Chapter 1), the CSC process and community engagement (Chapter 2), and information about the air pollution sources in the community (Chapter 3).

Information about past and ongoing enforcement activities conducted by both the South Coast AQMD and CARB enforcement staff are described in Chapter 4.

The specific actions to be implemented are described in Chapter 5 – Actions to Reduce Community Air Pollution. This chapter is organized by air quality priority area, and the strategies proposed for each priority area are presented in the CERP action templates. Within each CERP action, the responsible entities are identified, along with the timeframe and goals for implementing the proposed action. The CERP actions are numbered in the order in which they are presented in each section. Chapter 5 also includes a California Environmental Quality Act (CEQA) analysis based on the proposed actions within this plan.

A summary of the air monitoring approach is included in Chapter 6. These efforts are described in much greater detail in the Community Air Monitoring Plan (CAMP),<sup>1</sup> which serves as the sister document to the CERP. The actions described in Chapter 5 include specific air monitoring activities, as they relate to other specific actions in the CERP. The CAMP describes the overall air monitoring approach to address the community air quality priorities. Findings from air monitoring will help to evaluate next steps, and South Coast AQMD staff will work with the CSC to review findings and make necessary adjustments.

The Appendix to the CERP will include additional reference material related to the CERP content.

### References

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1. South Coast AQMD, Community Air Monitoring Plan for San Bernardino, Muscoy, [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6), Accessed July 16, 2019.

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# CHAPTER 1:

## INTRODUCTION

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## Chapter 1 : Introduction

Assembly Bill (AB) 617 was signed into California law in July 2017 and focuses on addressing local air pollution in environmental justice (EJ) communities. The bill recognizes that while California has seen tremendous improvement in regional air quality, some communities are still disproportionately impacted by local sources. Major local sources of air pollution in EJ communities include mobile sources (trucks, trains, ships, etc.) and industrial facilities. These communities also experience social and economic disadvantages that make people more vulnerable to the health effects of pollution. The AB 617 program provides focused action and additional resources to address air quality in these communities.

On September 27, 2018, the California Air Resources Board (CARB) designated 10 communities across the state to implement community plans for the first year of the AB 617 program. Local air districts are tasked with developing and implementing community emissions reduction and/or community air monitoring plans in partnership with residents and community stakeholders. The Community Air Monitoring Plan (CAMP) includes actions to enhance our understanding of air pollution in the designated communities, and support effective implementation of the Community Emissions Reduction Plan (CERP). For the three first year AB 617 communities in the South Coast AQMD, both a CAMP and a CERP are being developed. Separate documents describe the CAMP development process and the draft plan. Information is available at [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617). Figure 1-1 gives a general overview of the CERP timeline.

Figure 1-1: Overview of Community Emissions Reduction Plan (CERP) Timeline for Year 1 Communities



## Purpose of the Community Emissions Reduction Plan (CERP)

The CERP is a plan for achieving air pollution emission and exposure reductions within the San Bernardino, Muscoy community, and is tailored to address this community's air quality priorities. The CERP includes actions to reduce emissions and/or exposures, an implementation schedule, an enforcement plan, a description of the process and outreach conducted to develop the CERP, as well as additional elements that are relevant to developing an effective CERP. Community partnership and engagement have been crucial throughout the process.

Because the work to implement the CERP and CAMP is dynamic, certain action items have been written with built-in flexibility to allow adjustments as new information becomes available. South Coast AQMD staff is committed to working with Community Steering Committee (CSC) members to evaluate ongoing actions and progress.

## CERP Development Process and Emphasis on Community Input

Community engagement and input to inform both the process and the actions in the CERP have been a primary element of the AB 617 program. The San Bernardino, Muscoy CSC, working with the South Coast AQMD staff, are seeking to address the community's air quality priorities through development and implementation of this CERP. In addition to public meetings, numerous conversations and communications among committee members, South Coast AQMD staff, individuals and small groups occurred to ensure that community voices were an integral part of the plan. Chapter 2 describes the CSC process and the outreach that was conducted. Throughout the process, information exchanges between all parties, including feedback and input from committee members and members of the public ensured transparency and engagement. Numerous adjustments to consolidate and incorporate feedback were made and South Coast AQMD staff continuously aims to improve community engagement on air quality issues.

## About this Community

This community includes major portions of the City of San Bernardino and all of the unincorporated community of Muscoy, both of which are located in San Bernardino County (Figure 1-2).

More than 90,000 people live within the San Bernardino and Muscoy community (Figure 1-3). Nearly three-quarters of the people living in this community are Latino (Figure 1-4). About 13.1% of the residents in this community are African American and 9.3% are White. The population in this community is younger compared to the population in the state of California, with nearly one out of every five people in this community being a child under the age of 10 years, and only 7.0% of the population being adults over the age of 65 years (Figure 1-5). These age categories are particularly important because young children and older adults can be more sensitive to the health effects of air pollution.<sup>1</sup>

Figure 1-2: Location of the San Bernardino, Muscoy community in the South Coast AQMD jurisdiction

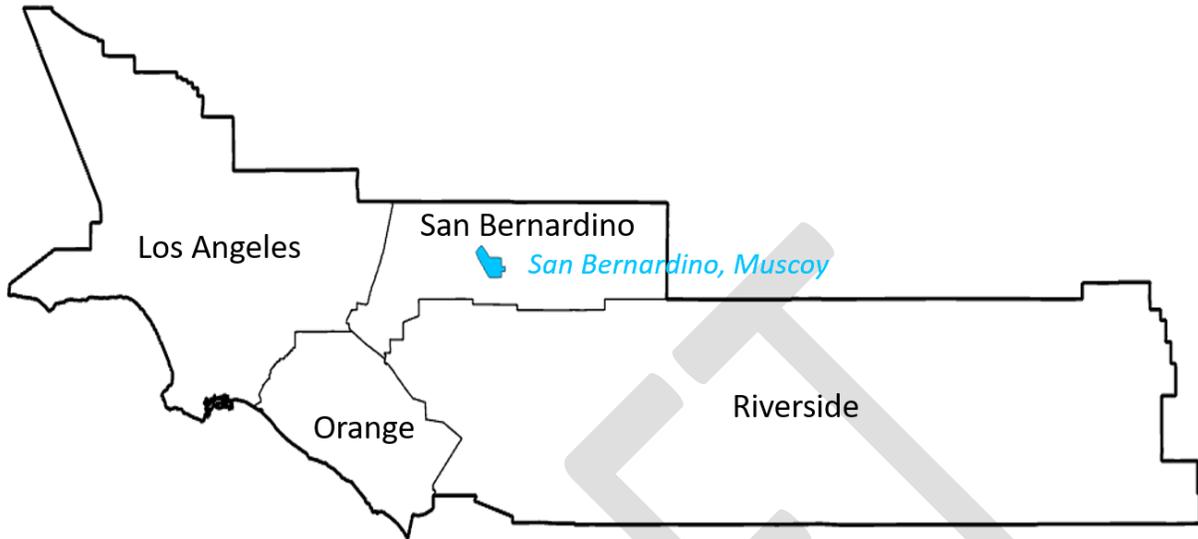


Figure 1-3: Population of San Bernardino, Muscoy community, based on the 2010 Census

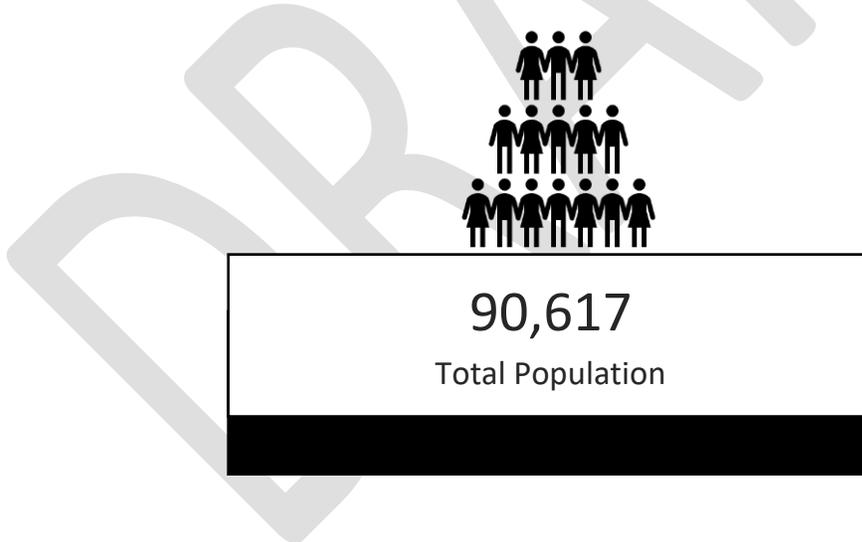


Figure 1-4. Population by Race/Ethnicity in San Bernardino, Muscoy and the state of California, based on 2010 Census

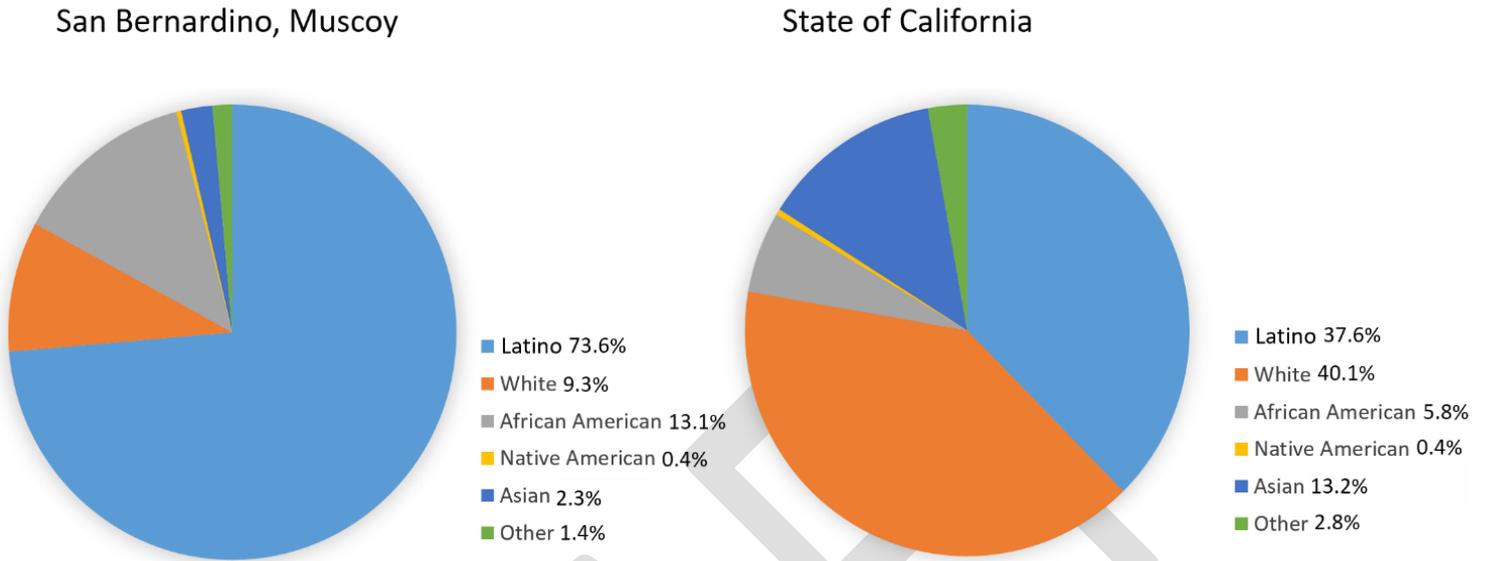
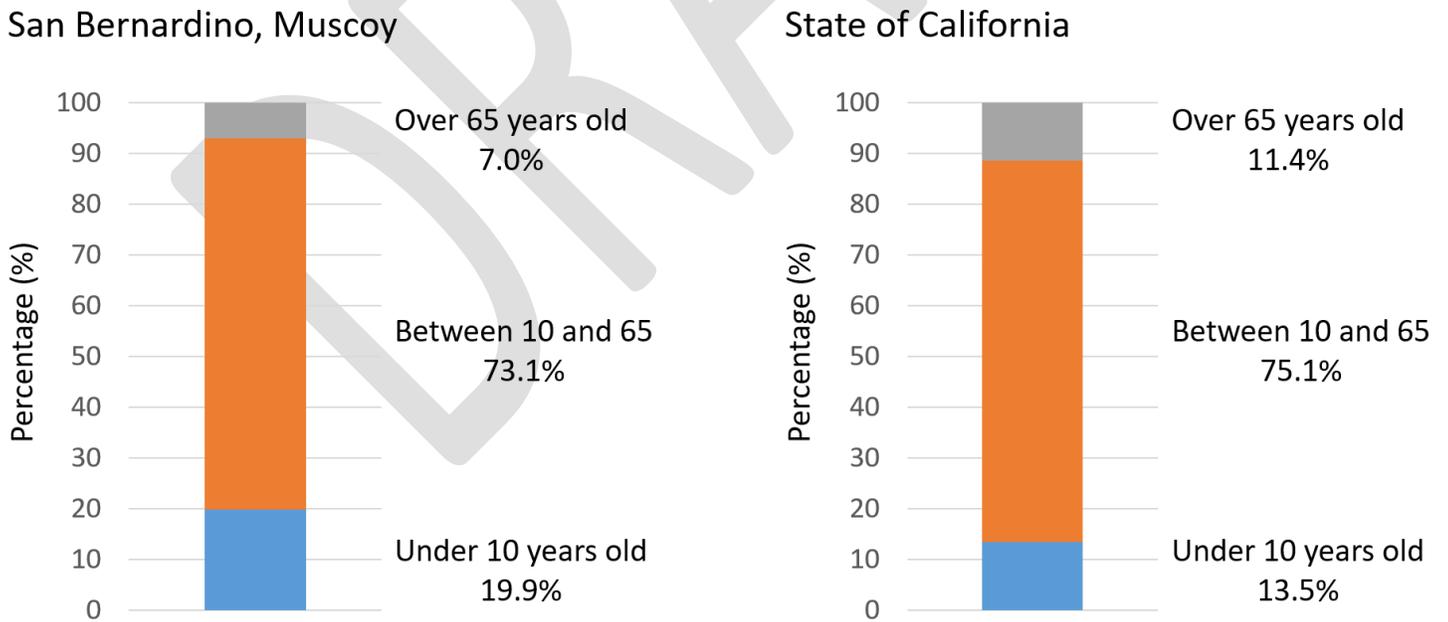


Figure 1-5. Age profile in San Bernardino, Muscoy and the state of California, based on 2010 Census



While the demographics and geography provide useful information, the members of the community are what make each community unique and distinct. Community members bring intimate familiarity with their community and the air quality concerns that affect their neighborhood. Below are some community voices describing this community.

## Photo Pending



*“I have been organizing and working with the youth and this community for over 20 years. When I see the news about the deaths from gun violence I know that isn’t the truth. It is air quality that is killing our youth. It’s a conversation that is critical to the future of our community, especially the youth, and more importantly health. They can’t breathe the air. If we don’t work together in this community to solve this issue, all the work we do is for nothing. It is the most urgent need that our community faces.”* - Mary Valdemar, Community Steering Committee Member, San Bernardino Valley College

*“I have been a resident in the San Bernardino area for over 20 years and I have seen how resilient my community is. We will fight together to clean our air. La unión hace la fuerza.”* - Miguel Rivera, Community Steering Committee Member, Active Resident from Muscoy



*“I grew up as a youth in San Bernardino with asthma and I have stayed in this community, because I think it is a diamond in the rough. I am waiting for its day in the sun and I think air quality is so important to its success.”* - Mathew Taylor, Community Steering Committee Member, Active Resident from San Bernardino

*“I love my community because this is where I live. My children and my grandchildren were raised here, my husband works here, and this is where my house is. I have been living here for a long time and together we have walked the streets to help the people who are the most in need. I wish we had cleaner air because there are many people who are getting sick.”* - Graciela Regalado, Community Steering Committee Member, Active Resident from San Bernardino

## Photo Pending



## References

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1. Office of Environmental Health Hazard Assessment (2014), California Communities Environmental Health Screening Tool, Version 2.0, <https://oehha.ca.gov/media/CES20FinalReportUpdateOct2014.pdf>, Accessed June 12, 2019.

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# CHAPTER 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

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## Chapter 2: Community Outreach, Community Steering Committee and Public Process

### Introduction

Community engagement and a public process were critical in the Community Emission Reduction Plan (CERP) development effort. Key features of the outreach efforts include establishing a Community Steering Committee (CSC), holding monthly meetings, CSC member and South Coast AQMD staff presentations, providing materials via email and a webpage, live-streaming all CSC meetings, and establishing a Technical Advisory Group (TAG). In addition, numerous

interactions between CSC members and South Coast AQMD staff occurred in one-on-one or small group meetings, allowing for in-depth discussions on joint development and creation of the CERP.

### Community Liaisons

The South Coast AQMD Community Liaison for the San Bernardino, Muscoy (SBM) community is Daniel Wong ([dwong@aqmd.gov](mailto:dwong@aqmd.gov)). In addition, Pedro Piqueras ([ppiqueras@aqmd.gov](mailto:ppiqueras@aqmd.gov)) serves as the South Coast AQMD point of contact for CERP-related input. The Community Liaison serves as the point of contact to communicate with members of the CSC and members of the public to address concerns regarding logistics and implementation of the CERP and Community Air Monitoring Plan (CAMP) (Figure 2-1). The Community Liaison ensures communication throughout the CERP development process and works with community members to identify the best ways to make information accessible and user-friendly.

### Chapter 2 Highlights

- The Community Steering Committee (CSC) and Technical Advisory Group worked with South Coast AQMD staff to develop the CERP
- Monthly meetings were held in the community to engage the CSC and public
- The Community Liaison served as the point of contact
- Additional one-on-one, small group, and community meetings also played an important part in community engagement
- A Community Webpage was created as an information portal

Figure 2-1: South Coast AQMD staff assisting CSC members and the public at a meeting in San Bernardino



## Community Meetings

Community meetings were hosted by South Coast AQMD staff on an approximately monthly basis in the community. This included one kick-off meeting and a series of CSC meetings.

### Community Kick-Off Meeting

In October 2018, kick-off meetings were held in each of the communities within the South Coast AQMD designated by CARB to be included in Year 1 of the AB 617 Program. During these meetings, the role of the CSC was described by South Coast AQMD staff. Briefly, the CSC provides input and guidance to design actions for the community, for integration into the CERP as well as the CAMP. Community members had an opportunity to fill out an Interest Form during the kick-off meeting to express their interest in being a CSC member, and were then notified by mail or by phone if they were selected as a member or an alternate.

The Community Kick-Off Meeting in the San Bernardino, Muscoy community was held on Tuesday October 9, 2018 at the Ruben Campos Community Center (Figure 2-2). Approximately 60 people attended the meeting. In addition to receiving information about AB 617, attendees were invited to visit a variety of booths, which provided information about some existing South Coast AQMD programs, community monitoring, community air measurement efforts, and incentive programs.

Figure 2-2: Community kick-off meeting at Ruben Campos Community Center, San Bernardino



### Community Steering Committee (CSC)

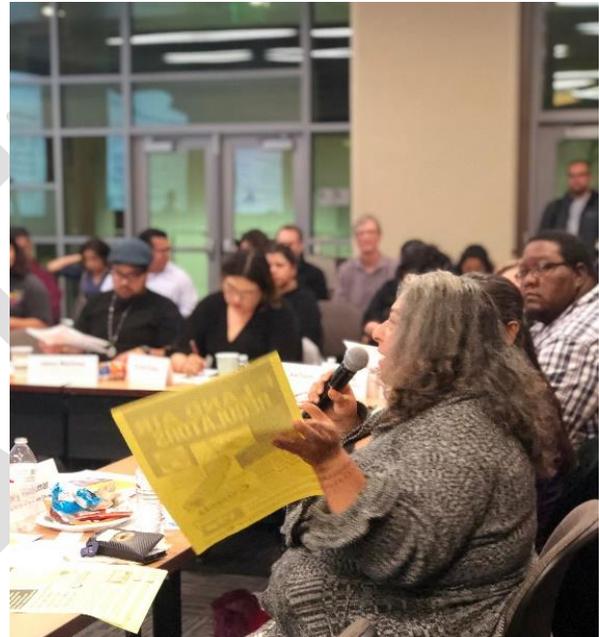
A Community Steering Committee (Figure 2-3 and 2-4) was formed for the San Bernardino, Muscoy community, and monthly meetings were organized. The meetings were typically held on Thursday evenings, and all CSC meetings were held in locations within the community. All meetings were open to the public.

### CSC Roster

CSC membership is comprised of stakeholders with community knowledge to help drive community action. The CSC creates a way to incorporate community expertise and direction in the development and implementation of clean air programs in each community. Staff will continue to seek recommendations and feedback from the CSC as the CERP is being implemented, and adjust the outreach approaches as needed to be even more effective.

The CSC roster for the San Bernardino, Muscoy community is provided in Table 2-1. This CSC has 23 primary members and four alternate members representing active residents, community organizations, and businesses. While 12 primary members are on the roster representing Active Residents, an additional two primary members also reside within the community (resident percentage on the CSC = 60.9%). Additionally, there are 10 primary members and eight alternate members representing agencies, schools/universities, or offices of elected officials who serve this community.<sup>i</sup> The roster with member biographies is available on the webpage: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/roster-with-bios.pdf?sfvrsn=8>.

Figure 2-3: Mary Valdemar (San Bernardino Valley College), presenting outreach materials at the Community Steering Committee meeting in San Bernardino



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<sup>i</sup> Per discussion with CARB staff, members representing agencies, schools, universities, hospitals, and offices of elected officials are not included in the calculation of resident percentage on the CSC.

Figure 2-4: Community Steering Committee meeting in San Bernardino



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Table 2-1: CSC Roster for the San Bernardino, Muscoy community<sup>ii</sup>

Affiliation	Primary Member	Alternate Member
<b>Community Organization</b>		
Chicano Indigenous Community for Culturally Conscious Advocacy and Action	Jason Martinez	
Muscoy Action Committee	Jane Hunt-Ruble	
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores	Andrea Vidaurre
Inland Region Equality Network	Angelica Balderas	
Safe Routes to School	Demi Espinoza	
California League of Conservation Voters Education Fund	Matt Abularach-Macias	
<b>Active Residents</b>		
Active Resident - San Bernardino	Valerie Dobesh	
Active Resident - San Bernardino	Mathew Taylor	
Active Resident - San Bernardino	Ruben Garza	
Active Resident - San Bernardino	Maria G. Corona	
Active Resident - San Bernardino	Graciela Regalado	
Active Resident - San Bernardino	Olga Medina	
Active Resident - San Bernardino	Lorena Rodarte	
Active Resident - San Bernardino	James Albert	
Active Resident - San Bernardino	Ada Trujillo	
Active Resident – Muscoy	Miguel A. Rivera	
Active Resident – Muscoy	Christopher Alonso	
Active Resident - Muscoy	Abram Gastelum	
<b>Elected Officials</b>		
Office of Assemblymember Eloise Reyes	Maha Rizvi	
Office of Supervisor Josie Gonzales	Erika Willhite	Lisha B. Smith
<b>Agency, School, University or Hospital</b>		
San Bernardino County Land Use Planning	Karen Watkins	Suzanne Peterson
San Bernardino County Department of Public Health	Bernadette Beltran	Corwin Porter
Cal State University San Bernardino (CSUSB)	Andreas Beyersdorf	Rudy Morales Gamez

<sup>ii</sup> This roster was last updated July 18, 2019 at CSC Meeting #8.

City of San Bernardino	Chantal Powers	Elizabeth Mora-Rodriguez
OmniTrans	Anna Jaiswal	Jeremiah Bryant
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang	Dr. Ryan Sinclair
San Bernardino County Transit Authority	Otis Greer	Nicole Soto
San Bernardino Valley College	Mary Valdemar	
<b>Business, Business Organization or Labor Organization</b>		
Railroads – BNSF	LaDonna DiCamillo	Marisa Blackshire
Warehouse/Logistics - Pacific Mountain Logistics - San Bernardino	B.J. Patterson	
Southern California Edison	Christopher Abel	Tammy Yamasaki
Wyatt's Paint & Body, Inc.	Kris Wyatt	Randy Wyatt
Tacos Don Ramon	Angel Rodriguez	
<b>Former Members</b>		
Active Resident – San Bernardino	Joshua Bell	

### CSC Meeting Schedule and Co-Hosts

Beginning with Meeting #2, the meetings were run by a co-host, who is a member of the CSC and lives in the community. Miguel Rivera served as a co-host from Muscoy and Angelica Balderas served as a co-host from San Bernardino. Additionally, Matt Abularach-Macias served as as the co-host for one meeting when the resident co-hosts were not available. The co-hosts worked closely with South Coast AQMD staff to provide input on the meeting agenda, and serve as the point of contact for community members who wished to provide testimonials during the meetings. In addition, the co-hosts conducted the meeting by setting the tone and calling on members to speak.

Figure 2-5: CSC members serving as meeting co-hosts



Table 2-2: Community Steering Committee Meetings for San Bernardino, Muscoy

Meeting #	Date and Location	Approximate # of Attendees
1	November 8, 2018 <b>Ruben Campos Community Center, San Bernardino</b>	60
2	January 17, 2019 <b>Muscoy PAL Center, San Bernardino</b>	50
3	February 21, 2019 <b>Muscoy PAL Center, San Bernardino</b>	50
4	March 21, 2019 <b>San Bernardino Valley College, San Bernardino</b>	80
5	April 18, 2019 <b>PAL Center, San Bernardino</b>	70
6	May 16, 2019 <b>San Bernardino Valley College, San Bernardino</b>	50
7	June 20, 2019 <b>San Bernardino Valley College, San Bernardino</b>	70
8	July 18, 2019 <b>San Bernardino Valley College, San Bernardino</b>	70
9	August 15, 2019 <b>San Bernardino Valley College, San Bernardino</b>	
10	September 19, 2019 <b>San Bernardino Valley College, San Bernardino</b>	

### CSC Charter

A charter was developed for the CSC and a draft was presented to members at the first meeting. CSC members provided comments and the feedback received was included in the revised charter. The final charter is provided on the webpage here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-english.pdf?sfvrsn=8>

### Social Media Report

All CSC meetings were live-streamed using Facebook Live to further engage the community. The links to the live-stream recording were also posted on the South Coast AQMD community webpage. Each video received approximately 100 views.

### Community Webpage

A community webpage was created for the San Bernardino, Muscoy community. The webpage includes information about upcoming meetings, meeting materials (flyers, agendas, presentations, handouts, live stream links, meeting summaries), interactive maps, the CSC roster, charter, biographies, and membership process, and the CAMP and CERP documents. The community webpage is located here:

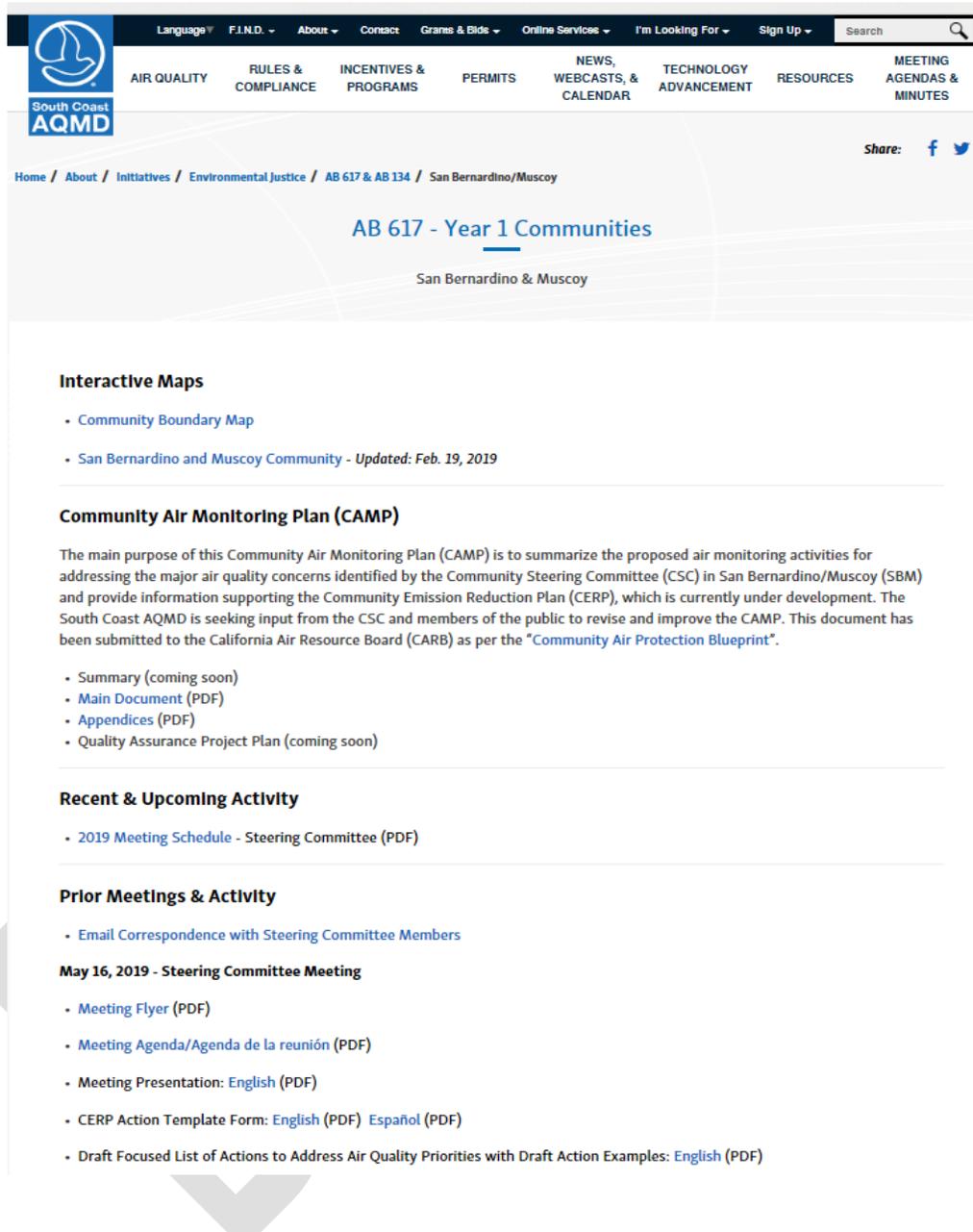
[http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/san-b.](http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/san-b)

For increased transparency, emails sent to the CSC were also posted on the webpage. All flyers, agendas, social media posts, presentations, handouts, and emails to the CSC were made available in English and Spanish. A screen shot of the community webpage is shown in Figure 2-7.

Figure 2-6: Screen shot of Facebook Live recording in San Bernardino



Figure 2-7: Community webpage for the San Bernardino, Muscoy community

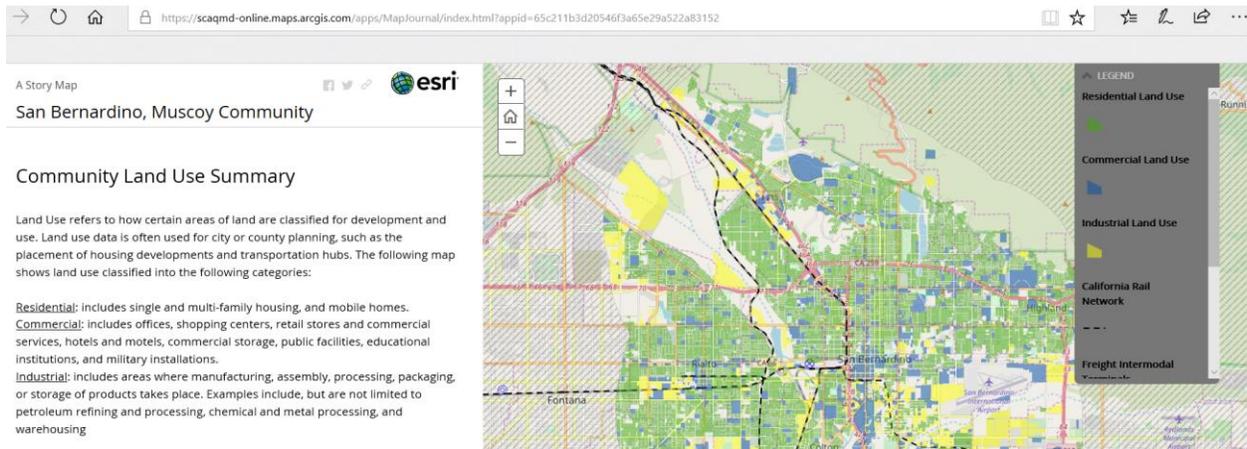


In addition to being a portal for access to meeting materials and documents, the webpage also includes interactive maps that present data about the community.

Figure 2-8 is an example of an interactive map that was created for the San Bernardino, Muscoy community. These interactive maps provide data on land use, locations of facilities, schools,

hospitals, and daycare centers, and the air quality concerns identified by the CSC and members of the public. This information was provided to help inform air quality priorities for the CERP.

Figure 2-8: Interactive map showing land use in the San Bernardino, Muscoy community



### Committee Presenters

A critical aspect of the CERP is development and implementation collaboration with CSC members and the agencies, organizations, businesses, or other entities that they represent. Committee members were invited to share their work that is complementary to the actions being developed in the CERP, such as programs carried out by their organization that help address air quality issues in the community.

At the April 2019 CSC meeting, Mary Valdemar (San Bernardino Valley College (SBVC)) discussed SBVC’s Sustainability Plan, which focuses on embedding sustainability in the classroom and workplace. She expanded on the infrastructure required to achieve the adoption of zero-emission technologies.

Tammy Yamasaki (Southern CA Edison) discussed local efforts and their partnership with South Coast AQMD to share information with those who apply for electric vehicle (EV) charging stations. Their

Figure 2-9: Bernadette Beltran and Mark Frees (San Bernardino County Department of Public Health) presented at the May 2019 CSC meeting



efforts focus on infrastructure development for electric charging, especially within environmental justice communities.

At the May 2019 CSC meeting, Bernadette Beltran and Mark Frees (San Bernardino County Department of Public Health) presented information on their agency's public health programs, including the Healthy Communities program, an asthma program that is administered through the Arrowhead County Regional Center, and the Safe Routes to Schools Program.

During the May 2019 CSC meeting, Ericka Flores and Andrea Vidaurre with the Center for Community Action and Environmental Justice (CCA EJ) spoke about their organization and the importance of the AB 617 program in getting the community involved in addressing air quality and land use issues. Additionally, Anna Jaiswal (OmniTrans) provided an overview of the work that OmniTrans is doing to improve air quality, as the public transit provider for San Bernardino County. They provided information about their fleet, which includes near-zero and zero-emission buses, and their continued work toward adding more cleaner buses to their fleet. Chantal Power (City of San Bernardino) discussed how the City is trying to address the concerns of the community and plans to increase outreach efforts.

In June 2019, LaDonna DiCamillo with BNSF Railway spoke about the company's efforts to reduce emissions from their locomotives and equipment used at their San Bernardino facility. She also highlighted some technology demonstration projects they are pursuing to help develop zero-emission or hybrid technologies. Suzanne Peterson from San Bernardino County Land Use Planning Department presented information about the County's code on truck parking in residential neighborhoods, and their draft policy plan on truck routes, including the Muscoy Community Action Guide. Ryan Sinclair from Loma Linda University presented information from past health research studies they have conducted in the community and some more recent work they are doing using low-cost air pollution sensors.

### Community Testimonials

Beginning in March 2019, residents from the community have been invited by the CSC to share personal stories, outlining their concerns with air pollution and how it has negatively impacted their lives and community. These community testimonials have helped provide perspective and context to frame the discussions during the CSC meetings (Figure 2-10). Community testimonials were provided by CSC members as well as other members of the community.

Figure 2-10: Community members are invited to share their personal air pollution concerns



### Technical Advisory Group

In February 2019, the AB 617 Technical Advisory Group (TAG) was established to provide a forum to discuss technical details related to source attribution (i.e., sources of monitored emissions), air monitoring and other technical analysis needed to develop the CAMPs and CERPs for AB 617 implementation. The TAG has met on an approximately quarterly basis during the CERP and CAMP development process. Topics discussed included monitoring equipment and laboratory capabilities, methodology and data sources for developing an air toxics emissions inventory at a community scale, methodology for forecasting emissions in future years, and methodology for modeling air toxics levels across geographical areas. Table 2-3 shows the 2019 TAG meeting schedule. All meetings were held at the South Coast AQMD headquarters building, which is a location approximately in the middle of the three Year 1 communities. All meetings were webcast on the South Coast AQMD's webpage ([www.aqmd.gov](http://www.aqmd.gov)), and webcast attendees could email questions to be answered during the meeting.

The majority of these technical considerations apply to all three AB 617 communities designated in Year 1 and consequently the TAG includes up to three primary and three alternate members from each CSC, and additional technical experts from academia, research institutes, and governmental agencies (the current roster is provided in Table 2-4). When additional communities are designated for the AB 617 program, representatives from those CSCs will also

be added to the TAG. The webpage for the TAG is available at this link: <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/technical-advisory-group>.

Table 2-3: Technical Advisory Group meetings in 2019

Meeting #	Date	Approximate Attendees
1	February 27, 2019	45
2	May 29, 2019	45
3	July 18, 2019	40

Table 2-4: Roster for the AB 617 Technical Advisory Group

Participant	Affiliation	Community
Jesse Marquez	Coalition for a Safe Environment	Wilmington, Carson, West Long Beach
Flavio Mercado (Alternate for Jesse Marquez)	Active Resident from Wilmington	Wilmington, Carson, West Long Beach
Jill Johnston	University of Southern California	Wilmington, Carson, West Long Beach
Uduak-Joe Ntuk	City of Los Angeles	Wilmington, Carson, West Long Beach
Tim DeMoss (Alternate for Uduak-Joe Ntuk)	Port of Los Angeles	Wilmington, Carson, West Long Beach
Ryan Sinclair	Loma Linda University	San Bernardino, Muscoy
Andreas Beyersdorf	California State University, San Bernardino	San Bernardino, Muscoy
Tammy Yamasaki	Southern California Edison	San Bernardino, Muscoy
Hector Garcia	Our Lady of Victory	East LA, Boyle Heights, West Commerce
Marisa Blackshire	BNSF	East LA, Boyle Heights, West Commerce
Rafael Yanez	Active Resident	East LA, Boyle Heights, West Commerce
Manuel Pastor	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert
Madeline Wander (Alternate for Manuel Pastor)	Univ. Southern California, Sociology and American Studies & Ethnicity	Technical Expert

Participant	Affiliation	Community
Scott Fruin	Univ. Southern California, Preventive Medicine	Technical Expert
Cesunica (Sunny) Ivey	UC Riverside	Technical Expert
Luis Portillo	Inland Empire Partnership	Technical Expert
Ken Davidson	US EPA Region 9 Air Division, Air Toxics, Radiation, and Indoor Air Office	Technical Expert
Janet Whittick	California Council for Environmental and Economic Balance (CCEEB)	Technical Expert
Melissa Lunden	Aclima	Technical Expert

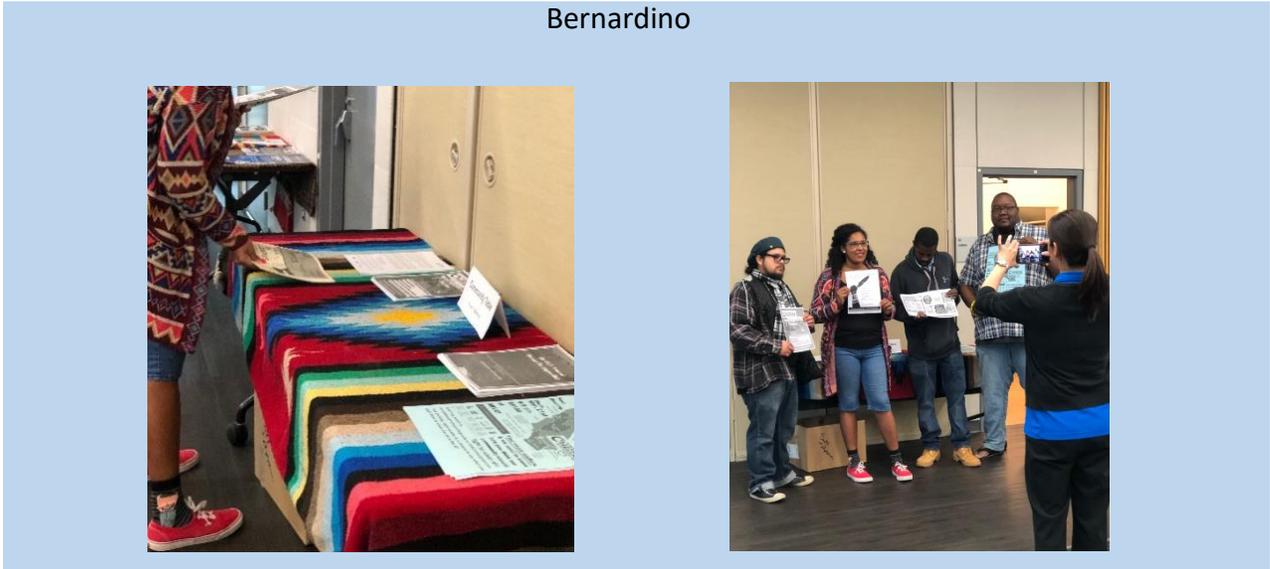
### Additional Community Engagement

In addition to establishing the CSC and convening monthly meetings, South Coast AQMD staff participated in one-on-one or small group meetings with members, and attended meetings led by various community organizations. These meetings gave CSC members an opportunity to communicate directly with staff. Additionally, these meetings give staff an opportunity to answer questions and clarify information requested from CSC members. Staff was able to gain a better understanding of the unique issues faced by each community by attending and participating in meetings led by community organizations.

Broader public engagement is also important to the AB 617 program. Suggestion boxes provided at the CSC meetings allow CSC members, as well as the general public, to provide input and suggestions on the AB 617 process. Staff reviews the comments after each CSC meeting, and responds as needed. Anonymous submissions are accepted. In addition, a Community Affairs Table at the CSC meetings provides a space for community members to share flyers and handouts about events and programs happening in the community (

Figure 2-11).

Figure 2-11: Community table and community member handouts for CSC meeting in San Bernardino



Throughout the development of the CERP, community liaisons and other staff met with community members, environmental justice organizations, industry and other stakeholders to provide assistance and/or prompt response to concerns raised about the CSC process. Community liaisons also attended meetings from local organizations, environmental justice groups, city and county government to promote participation in the development and implementation of the CERP. Staff attended meetings hosted by other entities in this community to give presentations on AB 617 CERP development, and had more than 25 in-person or phone meetings with CSC members to discuss the CSC process and seek input on the CERP actions. South Coast AQMD staff will continue to work with the CSC to implement the CERP actions and provide periodic community updates on the progress of implementing the plan. Community engagement is essential to the success of the CERP as well as the AB 617 program as a whole, and all parties are committed to build and improve upon existing outreach efforts.

Figure 2-12: Small group meeting in San Bernardino with some CSC members and South Coast AQMD staff



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# CHAPTER 3A:

## COMMUNITY PROFILE

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## Chapter 3a: Community Profile

### Introduction

It is essential to understand the characteristics of a community and the profile of air pollution sources in order to address community air quality priorities. The following community profile provides a general overview of the San Bernardino, Muscoy community, including the types of air pollution impacting the community, and a characterization of public health and socioeconomic factors. In addition, this section includes information about the community boundary that reflects input from the Community Steering Committee (CSC), a summary of the air pollution concerns identified by the community, and the air quality priorities based on CSC and public input. These air quality priorities are addressed in the Community Emission Reduction Plan (CERP) actions, described in Chapter 5.

#### Chapter 3a Highlights

- The community profile is based on input from the Community Steering Committee throughout the CERP development process
- The Community Steering Committee identified the top air quality priorities to be addressed in the CERP
- Data on land use, toxic air pollution impacts, public health factors, and social and economic factors in the community provides useful background information

and socioeconomic factors. In addition, this section includes information about the community boundary that reflects input from the Community Steering Committee (CSC), a summary of the air pollution concerns identified by the community, and the air quality priorities based on CSC and public input. These air quality priorities are addressed in the Community Emission Reduction Plan (CERP) actions, described in Chapter 5.

### Community Boundary, Air Quality Concerns and Air Quality Priorities

During the monthly CSC meetings, committee members, members of the public, and South Coast AQMD staff worked together to shape the elements and actions described in this Plan. Topics discussed with the CSC include:

- What should be the community **boundaries** for the AB 617 community plans?
- What **air quality concerns** does the community have?
- What are the top **air quality priorities** that the community would like to address through the AB 617 CERP?
- What **priority actions** should be included in the CERP?
- What should the **goals** for the priority actions include?
- Any additional **feedback on the Draft CERP**

The process is summarized in Table 3a-1. CSC members discussed which geographic areas should be included within the community boundary, shown in Figure 3a-1. The San Bernardino, Muscoy CSC established two distinct community boundaries to represent this community for the purpose of AB 617 community plan implementation. The “Impacted Community” boundary focuses on the places in the community where people live, work, go to school, and spend the majority of their time. The “Emissions Study Area” boundary includes both the Impacted Community and additional air pollution sources (e.g., facilities and major truck routes) that may affect the

Impacted Community. Regions within and near either community boundary will benefit from the emissions reductions within the boundary.

The CSC and members of the public participated in an interactive mapping activity to identify community air quality concerns, which were posted on the webpage<sup>i</sup>. These community air quality concerns are shown in Figure 3a-1 and listed in Figure 3a-2. Most of the concerns identified were within the Emissions Study Area. However, there were several warehouses along the Interstate 10 freeway that were also identified as concerns. While these warehouse are outside the community boundaries, the CSC stated that the trucks going to and from these warehouses drive through the community. Therefore, these trucks are within the Emissions Study Area and can be addressed through the CERP.

Next, the air quality concerns were grouped into categories (e.g., truck traffic, railyards, etc.), and the CSC and members of the public prioritized the top air quality concerns. CSC members were invited to provide ideas and input on CERP actions and also meet with South Coast AQMD staff to draft CERP actions together. The highest priority actions were included in the draft CERP based on input from the CSC members.

Because the work to implement the CERP and CAMP<sup>1</sup> is dynamic, certain action items have been written with built-in flexibility to permit necessary adjustments as new information becomes available. South Coast AQMD staff is committed to working with CSC members to evaluate ongoing actions and progress.

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<sup>i</sup> Interactive map of air quality concerns in the San Bernardino, Muscoy community: <https://scaqmd.online.maps.arcgis.com/apps/View/index.html?appid=c1c170ab526d462199b86c1cbe5a9ac5&extent=117.4450,34.0601,-117.1155,34.1933>

Table 3a-1. Process of CSC Input on CERP elements

CSC Meeting #	Discussion Topic(s)	What type of input did the CSC give?	How this CSC input was used in the CERP development process?
#1 November 2018	Community Air Quality Concerns and Community Boundary	Refined community <b>boundaries</b> . Identified community air quality <b>concerns</b> . <u>Outcome</u> : list of air quality concerns	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5). <b>Concerns</b> were prioritized for inclusion in Plans (see Meeting #3).
#2 January 2019	Community Boundary	Refined <b>community boundaries</b> . <u>Outcome</u> : community boundary	<b>Boundaries</b> were used to define focus area for CERP actions (see Meetings #4-5).
#3 February 2019	Air Quality Concern Prioritization	Prioritized which concerns would be addressed in Plans. <u>Outcome</u> : air quality priorities	Actions were developed for <b>air quality priorities</b> (Meetings #4 and #5)
#4 March 2019	Strategies & Proposed Actions (Part 1)	Ideas for <b>actions</b> can be written into the Plans. Staff will work with CSC members to write CERP actions. <u>Outcome</u> : draft focused list of actions for CERP	Feedback on actions were used to develop the list of <b>priority actions</b> (Meeting #6).
#5 April 2019	Strategies & Proposed Actions (Part 2), Draft CAMP, and Draft CERP Table of Contents & Action Template		
#6 May 2019	Focused list of CERP Actions (“priority actions”)	Provided feedback on which <b>priority actions</b> should be included in CERP. <u>Outcome</u> : list of priority actions for CERP	Feedback on actions were used to finalize the list of <b>priority actions</b> to be included in the <b>Draft CERP</b> .
#7 June 2019	Draft CERP, Goals for each CERP Action (Part 1)	Feedback on <b>Draft CERP</b> . Ideas for specific goals for each CERP action. <u>Outcome</u> : Revised Draft CERP	Feedback on <b>Draft CERP</b> and ideas for specific goals will be used to inform the <b>Draft Final CERP</b> in the Board package.
#8 July 2019	Goals for each CERP Action (Part 2)		
#9 August 2019	Final Discussion of Draft CERP	<b>Final revisions</b> for Draft CERP before it is submitted to South Coast AQMD Board for consideration. <u>Outcome</u> : Draft Final CERP and Appendices	Final comments to be addressed in <b>Draft Final CERP</b> that is part of the Board package.

Figure 3a-1. Impacted Community and Emissions Study Area boundaries of the San Bernardino, Muscoy community

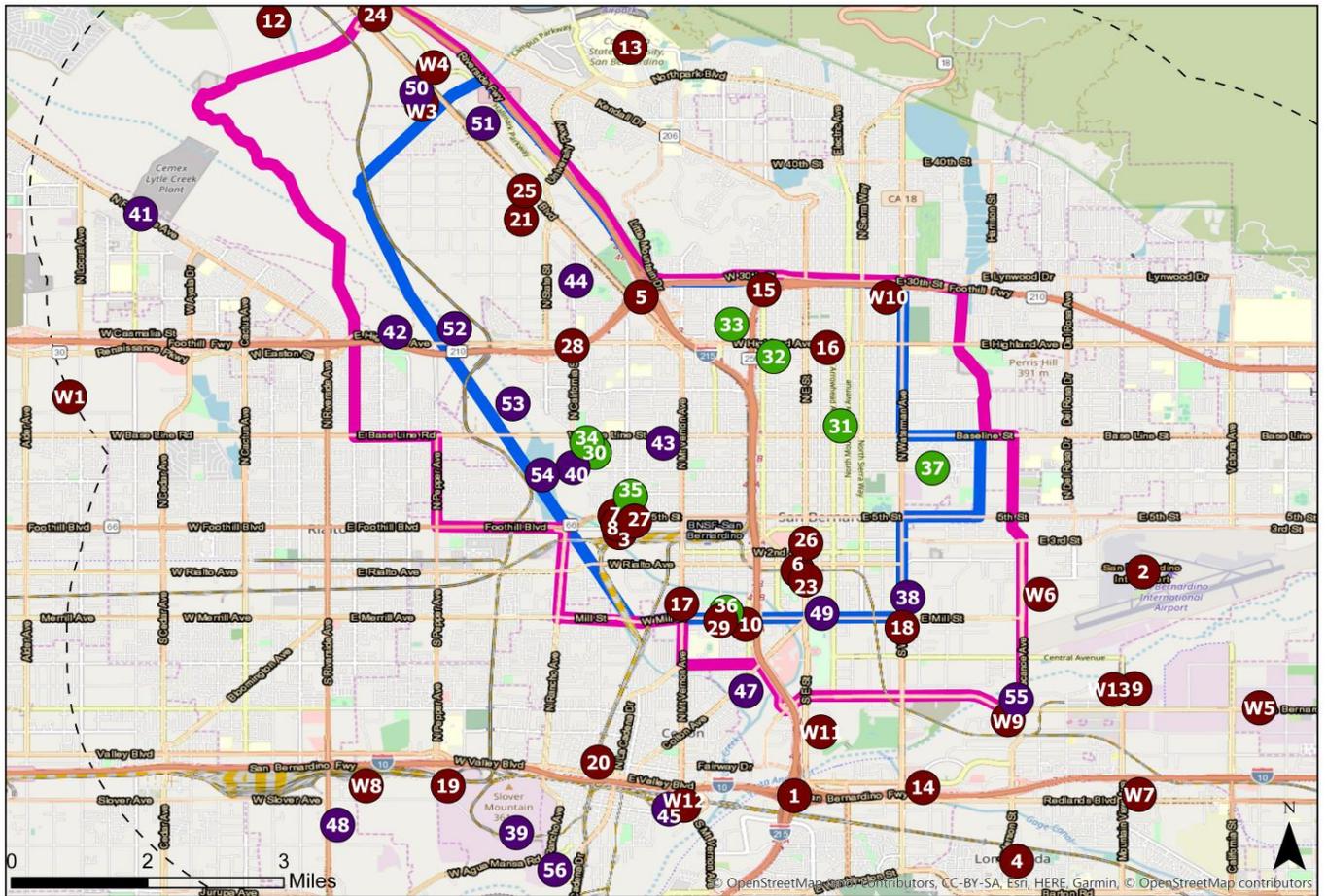


Figure 3a-2. List of air quality concerns identified by the San Bernardino, Muscoy CSC and members of the public

Label	Concern Name	Category	Label	Concern Name	Category
1	10/215 Fwy Interchange, Along 10 fwy	Mobile Source	36	School – Richardson Pre HI Middle School	Where People Spend Time
2	Airport	Mobile Source	37	Sierra High School, Roberts Elementary School	Where People Spend Time
3	BNSF railyard, JB hunt trucking company	Mobile Source	38	Auto Parts Scrap Yard	Need More Info
4	Construction and Demolition at Loma Linda Campus	Need More Info	39	Cement factory , Cal Portland	Stationary Source
5	Freeway and railway interchange	Mobile Source	40	Cement batch	Stationary Source
6	Metrolink	Mobile Source	41	Cement Facility (CEMEX)	Stationary Source
7	Omnitrans bus yard	Mobile Source	42	Cement manufacturer	Stationary Source
8	Park by BNSF railyard, JB hunt trucking company – Nunez Park	Where People Spend Time	43	Dairy Facility	Need More Info
9	Power Plant – SCE Mountain View	Stationary Source	44	Dust	Need More Info
10	Road Congestion	Mobile Source	45	Ecology Recycling	Stationary Source
11	San Manuel Amphitheater Traffic	Mobile Source	46	Mid-Valley Landfill	Stationary Source
12	The Washland- recreational off roading	Need More Info	47	Meat processing near valley view	Need More Info
13	Traffic at CSUSB	Mobile Source	48	Kinder Morgan Colton Terminal – Phillips 66	Stationary Source
14	Traffic near Hospitality Lane and 10 Fwy	Mobile Source	49	Paint/Auto body shops	Stationary Source
15	Traffic on H Street Exit	Mobile Source	50	Pet Food Facility – Mars Petcare	Stationary Source
16	Traffic	Mobile Source	51	Refinery	Need More Info
17	Mt Vernon Corridor	Mobile Source	52	Surface quarry	Stationary Source
18	Traffic On Waterman	Mobile Source	53	Surface quarry	Stationary Source
19	Train Station	Mobile Source	54	Surface quarry	Stationary Source
20	Trains	Mobile Source	55	East Valley Recycling and Transport	Stationary Source
21	Truck parking in neighborhoods	Mobile Source	56	Water Treatment Plant	Stationary Source
22	Truck parking in neighborhoods	Mobile Source	W1	Medline Warehouse	Mobile Source
23	Truck route	Mobile Source	W2	Fontana warehousing	Mobile Source
24	Truck stop, trucks idling	Mobile Source	W3	New development, warehousing	Need More Info
25	Truck stops	Mobile Source	W4	DCS Logistics	Mobile Source
26	Truck traffic	Mobile Source	W5	Warehouses	Mobile Source
27	Truck traffic Route 66	Mobile Source	W6	Warehouses	Mobile Source
28	Truck idling	Mobile Source	W7	Warehouses	Mobile Source
29	Truck idling near school	Mobile Source	W8	Warehouses	Need More Info

30	Arroyo Valley High School	Where People Spend Time	W9	Warehouses	Mobile Source
31	Lincoln Elementary	Where People Spend Time	W10	Warehouses	Need More Info
32	Neighborhood surrounded by freeways	Where People Spend Time	W11	Warehouses - ICEMA	Mobile Source
33	Neighborhood surrounded by freeways	Where People Spend Time	W12	Railyard Near Warehousing	Need More Info
34	Park - Maple Leaf Park	Where People Spend Time	W13	Warehousing	Mobile Source
35	Ramona Alessandro Elementary	Where People Spend Time			

The following air quality priorities for the CERP were identified by the CSC and members of the public for the San Bernardino, Muscoy community:

- Neighborhood truck traffic
- Warehouse on-site emissions
- Omnitrans bus yard
- Railyards
- Concrete batch plants, asphalt batch, and aggregate plants
- Exposure reduction for sensitive populations in schools, childcare centers, community centers, and homes

Actions to address each of these air quality priorities are described in Chapter 5.

The South Coast AQMD and the California Air Resources Board (CARB) both develop and enforce air pollution regulations to improve air quality and protect public health. While CARB has primary authority over mobile sources, the South Coast AQMD has authority over stationary sources and “indirect sources”, which are facilities that attract mobile sources. Examples of indirect sources include warehouses and rail yards. Specific information about ongoing rule development that is relevant to these air quality priorities is provided in Chapter 5.

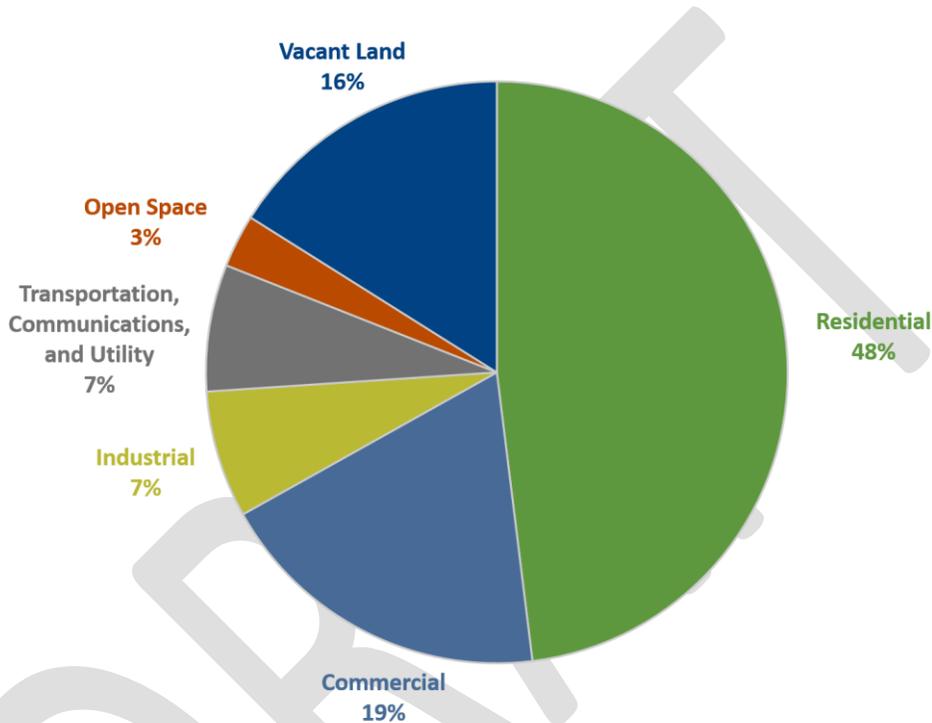
### Community Air Pollution Profile and Related Data

Understanding what air pollution sources exist in the community and what air pollutants come from these sources helps identify key sources that can be addressed through CERP actions. This section presents data based on previous cumulative impact studies<sup>ii</sup> to describe the impacts of toxic air pollutants in this community, as well as other environmental pollution, public health factors, and social and economic factors that make people more sensitive or vulnerable to the health effects of pollution.<sup>2</sup>

<sup>ii</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD’s website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

The San Bernardino, Muscoy community is shown in Figure 3a-1. The Impacted Community includes a land area of 17.30 square miles, and the Emission Study Area includes an area of 28.58 square miles. About 48% of this land area is used for residential living, 19% is zoned for commercial uses, 7% is zoned for industrial uses, and 7% is used for freeways, roadways, and land used for utilities and communications services (Figure 3a-3).<sup>iii</sup>

Figure 3a-3: Land use profile in San Bernardino, Muscoy



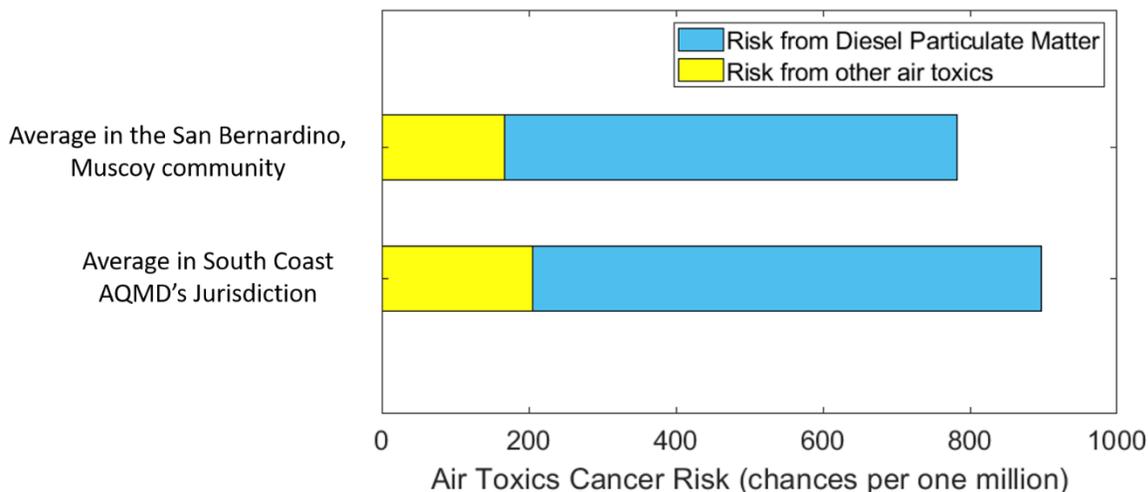
Air toxics are one group of air pollutants that can affect public health on a local community scale. This includes pollutants from diesel exhaust, metal air pollutants (e.g., hexavalent chromium, lead, arsenic, nickel, etc.), and gases (e.g., benzene, formaldehyde, etc.). The South Coast AQMD conducts the Multiple Air Toxics Exposure Study (MATES) every few years to understand the cumulative health impacts of air toxics in communities across the region. The most recently completed study was MATES IV, which was conducted in 2012-2013, and used air toxics monitoring, emissions inventories, modeling, and health risk assessment techniques to calculate the cancer risk due to toxic air pollutants (“air toxics cancer risk”).<sup>iv</sup> Based on MATES IV modeled

<sup>iii</sup> Land use refers to how certain areas of land are classified for development and use. Land use data is often used for city or county planning, such as the placement of housing developments and transportation hubs. Land use data is derived from the 2016 Southern California Association of Governments (SCAG) Regional Transportation Plan/ Sustainable Communities Strategy, which is based on 2012 data.

<sup>iv</sup> More information regarding MATES IV and the final report can be found on South Coast AQMD’s website at: <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/matesiv>.

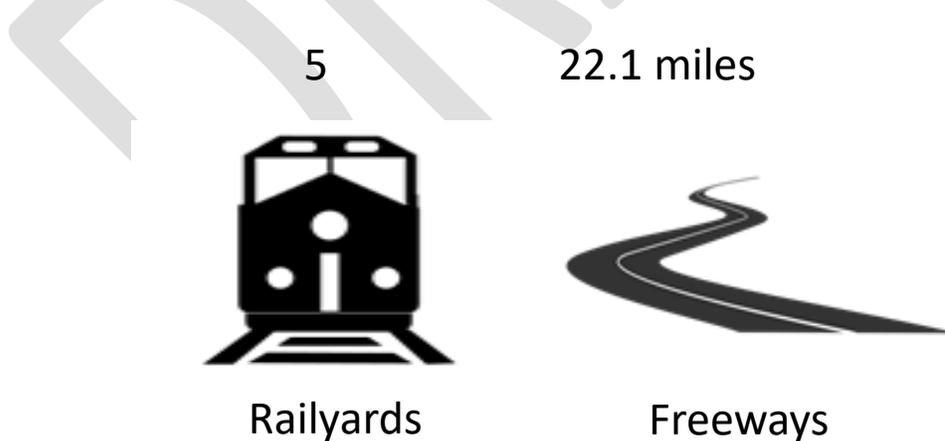
data, approximately three-quarters of the air toxics cancer risk in the Basin is due to diesel particulate matter (Figure 3a-4). The average air toxics cancer risk in the San Bernardino, Muscoy community is also shown in the figure, and this risk is also dominated by diesel particulate matter.

Figure 3a-4: Air toxics cancer risk, based on MATES IV modeled data



Mobile sources include trucks, ships, trains, cars, buses, and other mobile equipment. Much of this equipment is powered by diesel, which is the air toxic pollutant with the highest impact in this community. The community includes more than 22 miles of freeways and 5 railyards<sup>v</sup>, including a railyard that is located near residential areas (Figure 3a-5)

Figure 3a-5: Diesel mobile sources in San Bernardino, Muscoy



<sup>v</sup> Includes one intermodal railyard, and four maintenance yards. All five facilities are located west of the Interstate 215 freeway, south of W. 5th Street, and north of Rialto Avenue.

Understanding the community’s public health and socioeconomic profile helps to provide context for the work being done through this CERP. CalEnviroScreen 3.0 is a screening tool developed by the California Office of Environmental Health Hazard Assessment (OEHHA) that is used to identify communities that are most affected by various sources of pollution, and where people are especially vulnerable to pollution’s effects. The CalEnviroScreen 3.0 data show that this community has public health factors, as well as social and economic factors, that make the community more sensitive and vulnerable to the harmful effects of air pollution compared to statewide averages (Figure 3a-5 and

Figure 3a-6). These data show that, on average, the San Bernardino, Muscoy community has generally worse public health factors and more social and economic disadvantages compared to California as a whole. The public health factors specifically show that this community has higher rates of emergency department visits for asthma and heart disease, and more babies born low weight, compared to statewide averages.

Figure 3a-5. CalEnviroScreen 3.0 scores for public health factors in San Bernardino, Muscoy compared to statewide averages

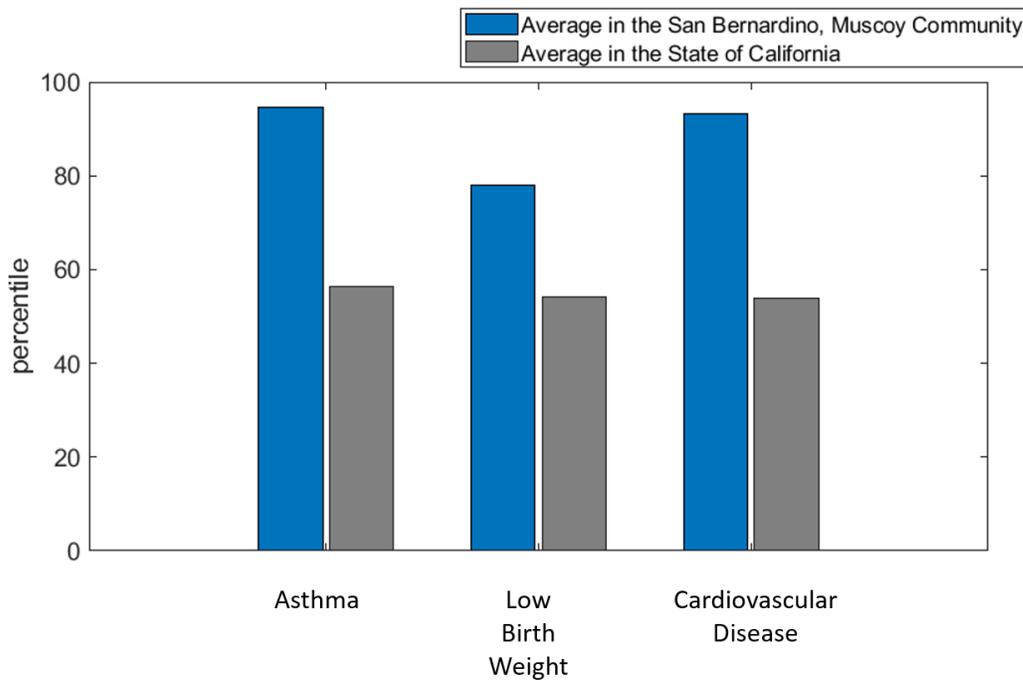
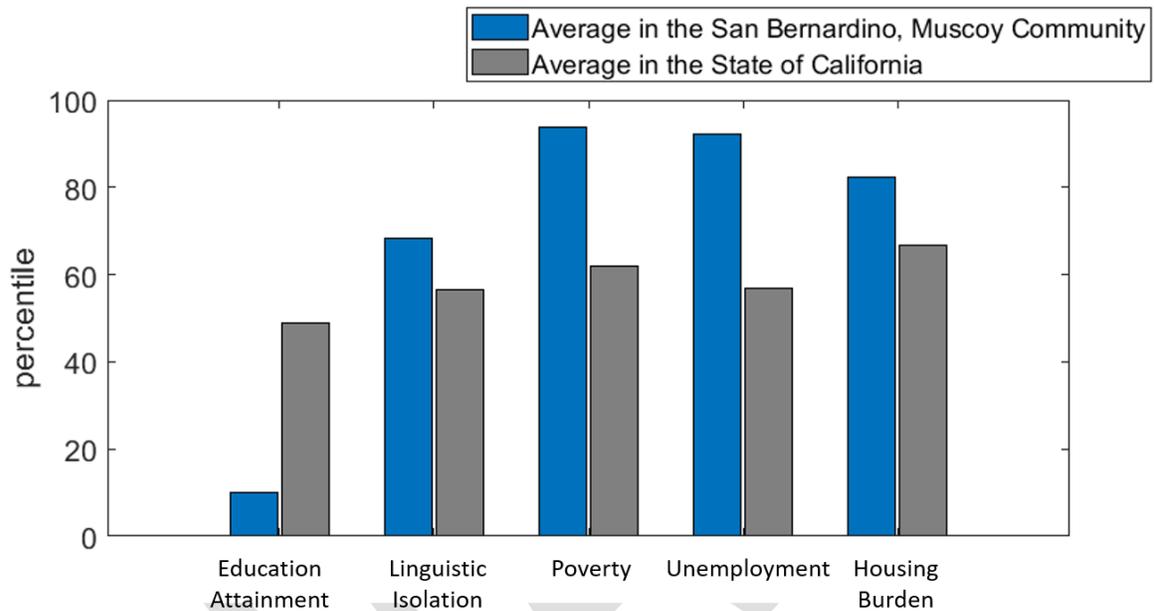


Figure 3a-6. CalEnviroScreen 3.0 scores for social and economic factors in San Bernardino, Muscoy compared to statewide averages



## References

1. Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy community: [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6)
2. Office of Environmental Health Hazard Assessment. CalEnviroScreen 3.0. <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>

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# CHAPTER 3B:

## COMMUNITY PROFILE SOURCE ATTRIBUTION

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## Chapter 3B: Emissions and Source Attribution

### Introduction

The Community Emissions Reduction Plan (CERP) needs to identify air pollution challenges that each community faces, and define strategies to reduce the exposure burden from sources of criteria air pollutants (CAPs) and toxic air contaminants (TACs). Identifying air quality priorities for the CERP is accomplished through listening to the community's input and expertise, along with evaluating technical data on emission sources in the community. A rigorous accounting of sources and their resulting emissions is needed to produce an accurate emissions inventory that will serve as a baseline reference from which emission reductions can be measured. This rigorous accounting of sources, their emissions and their contribution to the cumulative exposure burden is what the CARB guidelines identify as the source attribution analysis. Per the direction of CARB guidelines, source attribution is required to meet the following AB 617 statutory requirements:

A rigorous accounting of sources and their resulting emissions is needed to produce an accurate emissions inventory that will serve as a baseline reference from which emission reductions can be measured. This rigorous accounting of sources, their emissions and their contribution to the cumulative exposure burden is what the CARB guidelines identify as the source attribution analysis. Per the direction of CARB guidelines, source attribution is required to meet the following AB 617 statutory requirements:

*California Health and Safety Code § 44391.2 (b) (2) directs CARB to provide “[a] methodology for assessing and identifying the contributing sources or categories of sources, including, but not limited to, stationary and mobile sources, and an estimate of their relative contribution to elevated exposure to air pollution in impacted communities...”*

The CARB guidelines recommended five potential technical approaches for the source attribution analysis. The options presented are: developing an emissions inventory, air quality modeling, targeted air monitoring/back trajectory/pollution roses/inverse modeling, chemical mass balance and positive matrix factorization. Among these options, based on the availability of data and resources, this source attribution analysis employs the emissions inventory and air quality modeling analysis approaches to identify sources contributing to air pollution levels in the community, with an emphasis on identifying sources within the community (emissions inventory). More information on source attribution methods is included in the Source Attribution Methodology report<sup>1</sup>. The most recent air quality modeling analysis was conducted as part of the Multiple Air Toxics Exposure Study (MATES IV) in 2015, which showed that Diesel Particulate Matter (DPM) was the air pollutant that contributed most to the air toxics cancer risk in the South

#### Chapter 3B Highlights

- Information about the sources of air pollution in this community is presented in a “source attribution” analysis
- Diesel particulate matter is currently the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources
- In future years, diesel emissions decrease substantially due to CARB regulations, but continues to be the main driver of air toxics cancer risk in this community
- Other key air toxic pollutants in this community are 1,3-butadiene (mostly from the chemical industry) and hexavalent chromium (mostly from brake wear)

<sup>1</sup> Methodology for Source Attribution Analyses for the first year AB 617 Communities in the South Coast Air Basin (Technical Report), 2019. [add URL when available]

Coast Air Basin. While the San Bernardino, Muscoy (SBM) community had slightly lower cancer risk compared to the overall average (**Figure 3-5**), the SBM has some of the highest ozone levels in the Basin. A community-specific emissions inventory was developed for criteria air pollutants (CAPs) and TACs based on the most recent available datasets.

The SBM community contains some obvious sources of air pollution, including major freeways and major rail yards within the community that support the goods movement industry. The community also includes a wide range of industrial facilities, including asphalt, concrete and other mineral production processes, and 43 warehouses larger than 100,000 square feet, which attract heavy-duty truck traffic. The source attribution analysis highlights that in the year 2017, on-road and off-road mobile sources were the predominant sources of DPM, with the major contributors being heavy-heavy duty trucks, medium-heavy duty trucks, off-road diesel equipment, and trains. In this community, stationary and area sources contribute to the emissions of 1,3-butadiene, benzene and formaldehyde, with the chemical industry as the major source for 1,3-butadiene emissions, and fuel combustion in residential and commercial sectors as the major source of benzene and formaldehyde. The analysis presented in this chapter provides further details on the sources of NO<sub>x</sub>, VOCs and PM<sub>2.5</sub>. Projected emissions in future years show decreases in DPM emissions, although DPM continues to be the main contributor to cancer risk.

The community-level emissions and their sources are discussed in this report. The detailed methodology to develop these emissions is provided in the Source Attribution Methodology report. Base year emissions of CAPs and TACs are provided in section 2. Future year emissions of CAPs and TACs are discussed in section 3, and a summary is provided in section 4.

## Base year emissions inventory and source attribution

### Overall profiles of CAPs and TACs

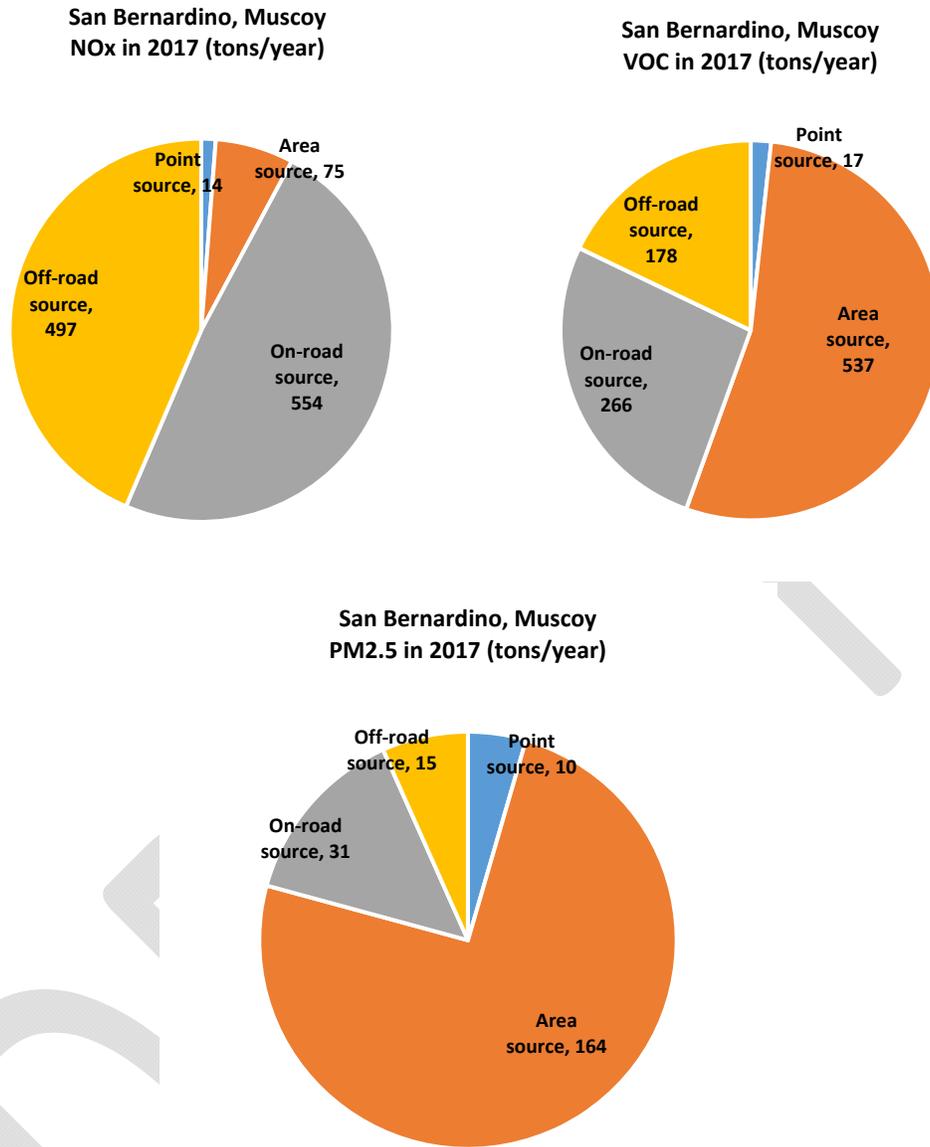
A variety of sources contribute to the emissions of criteria pollutants in the San Bernardino and Muscoy community, with different sources emitting different air pollutant species (**Figure 1**). NO<sub>x</sub> emissions are primarily from combustion sources. On-road mobile sources are the largest emitters of NO<sub>x</sub>, with heavy-duty trucks being the largest contributor in this community. Off-road mobile sources, including trains and off-road equipment, are the second largest contributor to NO<sub>x</sub> emissions. Area sources of NO<sub>x</sub> are mainly from fuel combustion for space and water heating at commercial businesses and homes, whereas point sources of NO<sub>x</sub> include fuel combustion at industrial facilities.

VOC emissions mostly come from area sources, specifically from consumer products and outdoor paints (architectural coatings), as well as vehicle exhaust. The largest contributors to PM<sub>2.5</sub> emissions are area sources, such as commercial cooking, residential wood burning (residential fuel combustion), and paved road dust. PM is also emitted from mobile sources via vehicle exhaust and tire and brake wear. While paved road dust is also related to vehicles traveling on roads, it is considered as an area source rather than a mobile source. It is important to note that ambient PM<sub>2.5</sub> concentrations in the community have decreased steadily in the past decades

due to the reductions of PM<sub>2.5</sub> precursor emissions such as NO<sub>x</sub>, SO<sub>x</sub>, and VOC. Ambient PM<sub>2.5</sub> can be either formed through chemical reactions of its precursor pollutants or be emitted directly from sources. In the South Coast Air Basin including in this community, the majority of ambient PM<sub>2.5</sub> is from secondary chemical reactions in the atmosphere rather than directly emitted from local sources. Accordingly, although local PM<sub>2.5</sub> emissions have decreased marginally over the past decade, the ambient PM<sub>2.5</sub> concentrations have been improved substantially, and the South Coast Air Basin is close to attainment of the U.S. EPA's ambient air quality standards for PM<sub>2.5</sub>.

TAC emissions from point sources were compiled from the emissions reported by facilities. TAC emissions from area, on-road, and off-road sources were calculated using chemical speciation profiles applied to PM or TOG emissions. Details on the chemical speciation profiles are provided in a separate Source Attribution Methodology report<sup>1</sup>. In total, 22 air toxic pollutants were analyzed and included in this report. This list of air toxic pollutants is consistent with the list of TACs that facilities are required to report under the South Coast AQMD Annual Emissions Reporting (AER) program, except chlorofluorocarbons (CFCs) and ammonia were not included. CFCs do not have an associated cancer risk, whereas ammonia is included in the CAPs inventory because it is a PM precursor.

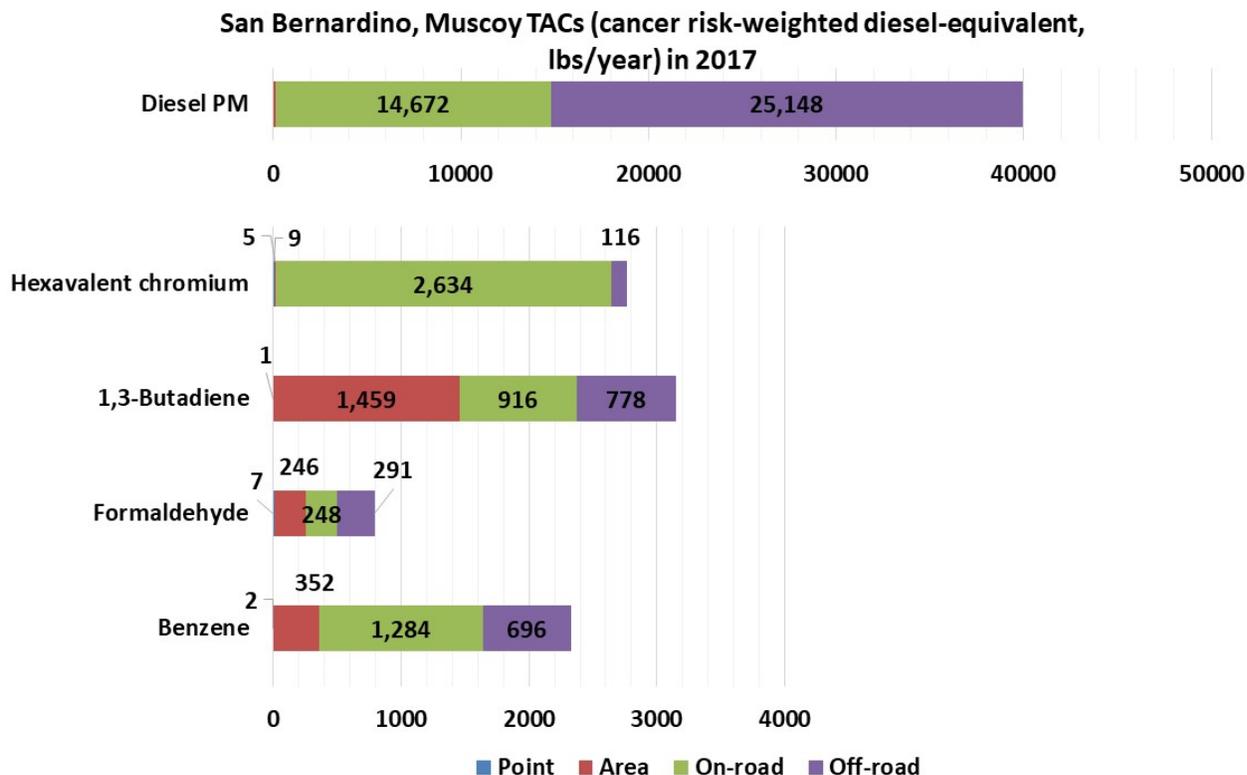
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**Figure 1.** Contribution of major sources to NO<sub>x</sub> emissions, VOC emissions, PM<sub>2.5</sub> emissions in San Bernardino and Muscoy in 2017 (tons/year)

The contribution from point, area, on-road and off-road emission sources to TACs emissions in this community are presented in **Figure 2**. Note that the emissions in the figure are weighted based on the air toxics cancer risk (hereafter referred to as “cancer risk”) of each TAC relative to DPM. For example, Cr6+ has a cancer risk that is approximately 464 times higher than that of DPM. Thus, Cr6+ emissions are multiplied by 464 to estimate the cancer-risk-weighted emissions of Cr6+. The units in the cancer-risk-weighted DPM-equivalent emissions are expressed in pounds per year (lbs/year). This weighting approach enables comparisons across the contribution of each

TAC to overall cancer risk using a consistent, toxicity-weighted scale. **Figure 2** shows that DPM is the biggest contributor to the overall cancer risk in the community, followed by 1,3-butadiene, hexavalent chromium, and benzene. **Figure 2** also shows the major source categories of these main TACs. Most of the DPM and Cr<sup>6+</sup> is emitted from mobile sources. A detailed emission inventory by major source categories is provided in the Appendix.

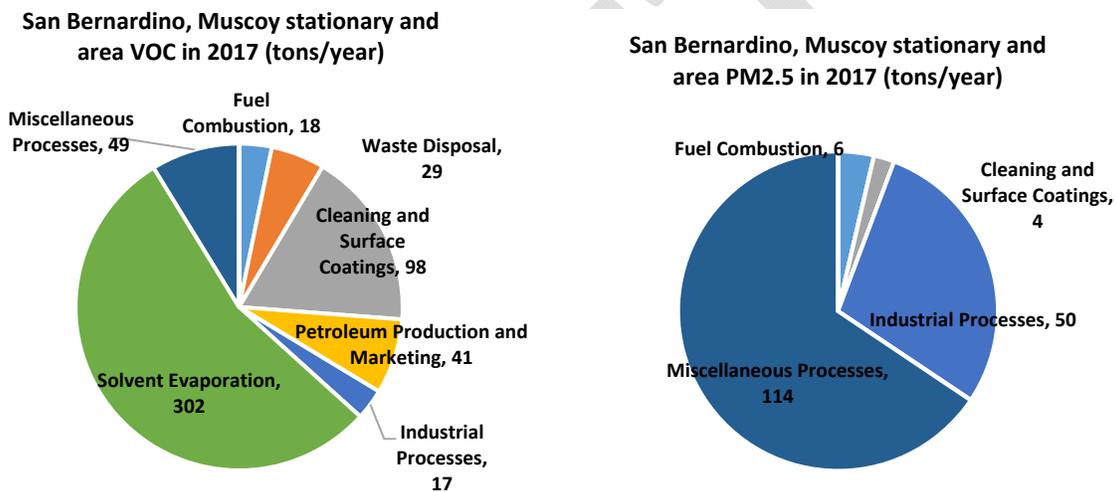


**Figure 2.** Contribution of major sources to toxic air contaminant emissions in the San Bernardino and Muscoy community in 2017 (shown in lbs/year, weighted by air toxics cancer risk). Note the different scale for DPM with respect to the other air toxics.

**Stationary and area sources**

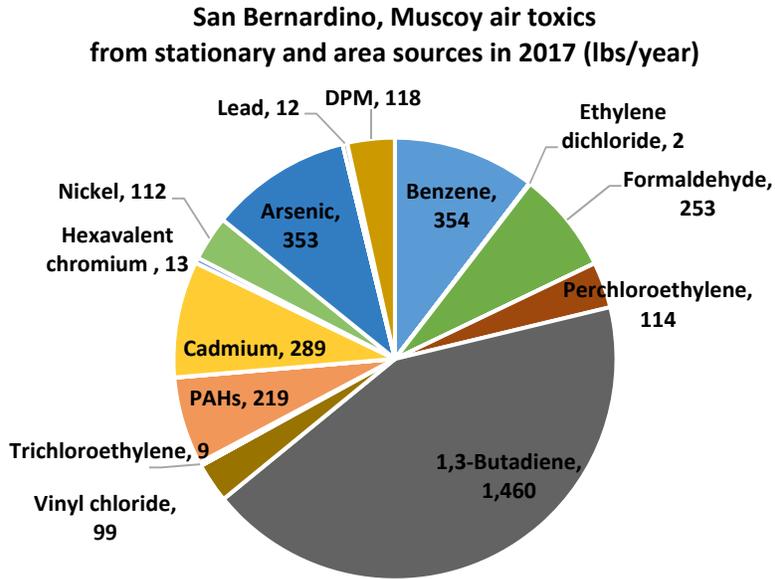
**Figure 3** provides a summary of the sources of VOC and PM2.5 emissions from stationary and area sources in the SBM community in 2017. The largest contribution to VOC emissions is solvent evaporation from consumer products. A wide range of industries also contribute significantly to the total VOC emissions from stationary sources, with degreasing and surface coating being the second largest source, and gas stations (petroleum marketing) also being a third significant source of VOC emissions.

Direct emissions of PM2.5 in the SBM community originate from a wide range of activities, including commercial cooking, residential and commercial fuel combustion, and paved road dust. In addition, emissions from various industries, including mineral processing and manufacturing, contribute to total PM2.5 emissions.



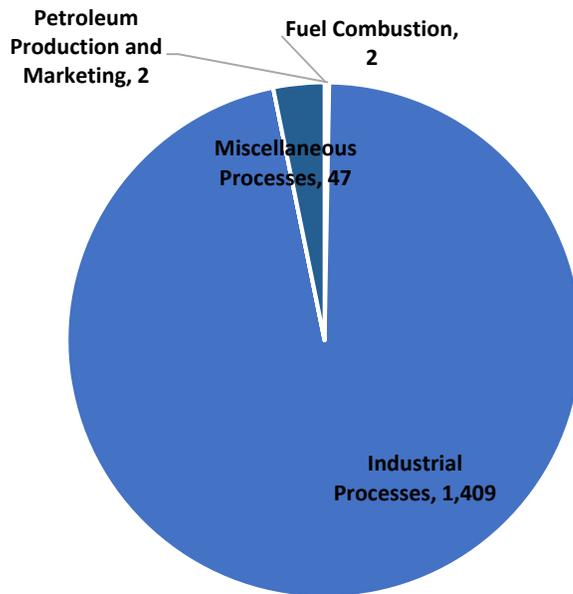
**Figure 3.** Source attribution of VOC emissions and PM2.5 emissions from stationary and area sources and area in the San Bernardino and Muscoy community for the year 2017

**Figure 4** illustrates the emissions of the major TACs from stationary and area sources in the community. The emissions of each pollutant are weighted by their cancer risk relative to DPM. In this community, 1,3-butadiene is the most predominant air toxic from stationary and area sources. The major source for 1,3-butadiene emissions is industrial processes (**Figure 5**), mostly from chemical industries.



**Figure 4.** Toxic air contaminant emissions, weighted by cancer risk, from stationary sources in the San Bernardino and Muscoy community for the year 2017 (in lbs/year)

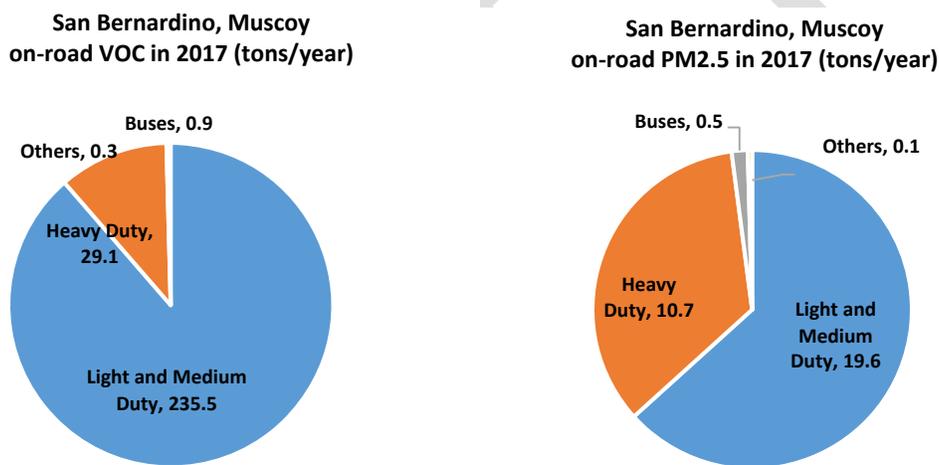
**San Bernardino, Muscoy 1,3-Butadiene  
from stationary and area in 2017 (lbs/year)**



**Figure 5.** Source attribution of 1,3-butadiene emissions from stationary and area sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

**On-road mobile sources**

In this community, passenger vehicles and light- and medium-duty vehicles contribute to the majority of VOC and PM2.5 emissions (**Figure 6**). VOC emissions are mostly from gasoline vehicles<sup>2</sup>, and, as a result, passenger cars are the main contributor to VOC emissions because of the large number of vehicles and miles traveled by these types of vehicles. PM2.5 emissions from on-road sources are from fuel combustion as well as from tire and brake wear. Light and medium duty vehicles are the main contributors to the total emissions of PM2.5, because these vehicles travel the most miles within the community. Even though heavy-duty trucks drive less than 10% of the total vehicle miles traveled in San Bernardino County, heavy-duty trucks contribute to more than 30% of the total PM2.5 emissions from on-road sources<sup>3</sup>.



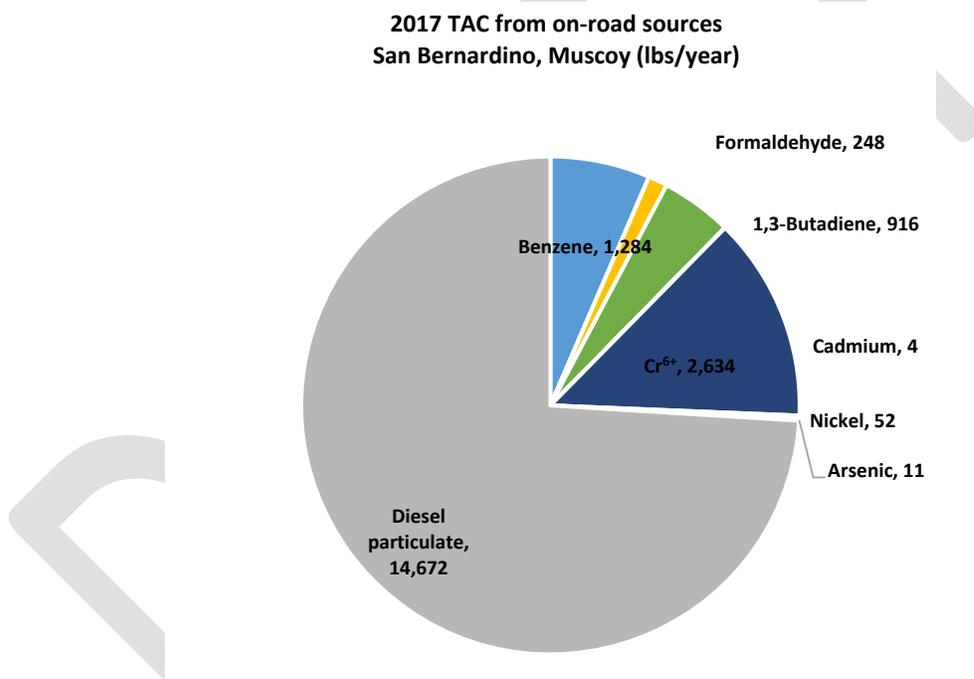
**Figure 6.** Source attribution of VOC emissions and PM2.5 emissions from on-road sources in the San Bernardino and Muscoy community for 2017

<sup>2</sup> These emissions are largely related to evaporative and running losses

<sup>3</sup> Heavy-duty diesel vehicles tend to have higher PM exhaust and tire and brake wear emissions per mile driven compared to gasoline cars.

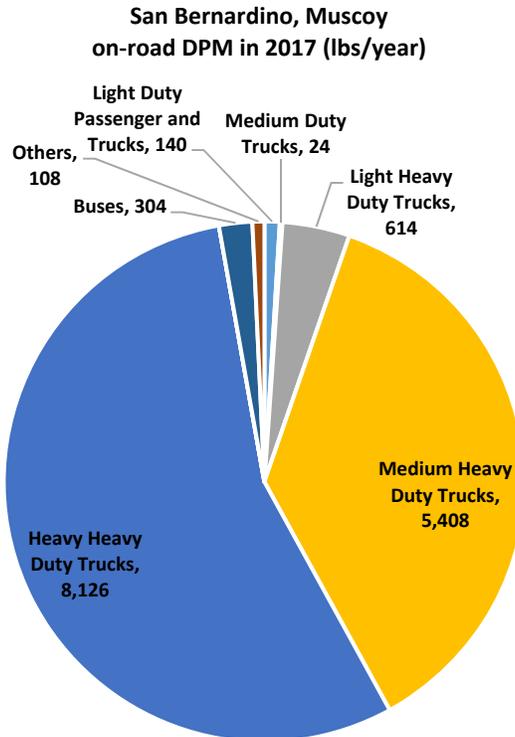
Toxic emissions from on-road sources are largely dominated by DPM (**Figure 7**). The largest contributor to DPM emissions is diesel-fueled heavy-duty trucks, so the largest impacts from on-road sources in the community are concentrated along the main goods movement corridors. The second largest contributor to cancer risk from on-road sources is hexavalent chromium, which is emitted from brake wear<sup>4</sup> and, to a smaller extent, from fuel combustion.

Other TACs emitted from on-road sources include benzene, 1,3-butadiene and formaldehyde. The source of benzene is evaporative losses and the incomplete combustion of gasoline, whereas formaldehyde and 1,3-butadiene emissions are generated from fuel combustion.



**Figure 7.** Distribution of air contaminant emissions from on-road sources in San Bernardino and Muscoy for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

<sup>4</sup> A small fraction of hexavalent chromium was considered to originate from vehicle brake wear. The emission factors were empirically adjusted for the MATES IV analysis. While this approach worked reasonably well for the MATES analysis, further evaluation may be required for adapting this adjustment to more recent data. For example, an adjustment may be required to reflect cleaner vehicle fuels compared to those in use during previous MATES.



**Figure 8.** Source attribution of toxic air contaminant from on-road sources in the East Los Angeles, Boyle Heights and West Commerce community for the years 2017 (shown in lbs/year), weighted by air toxics cancer risk)

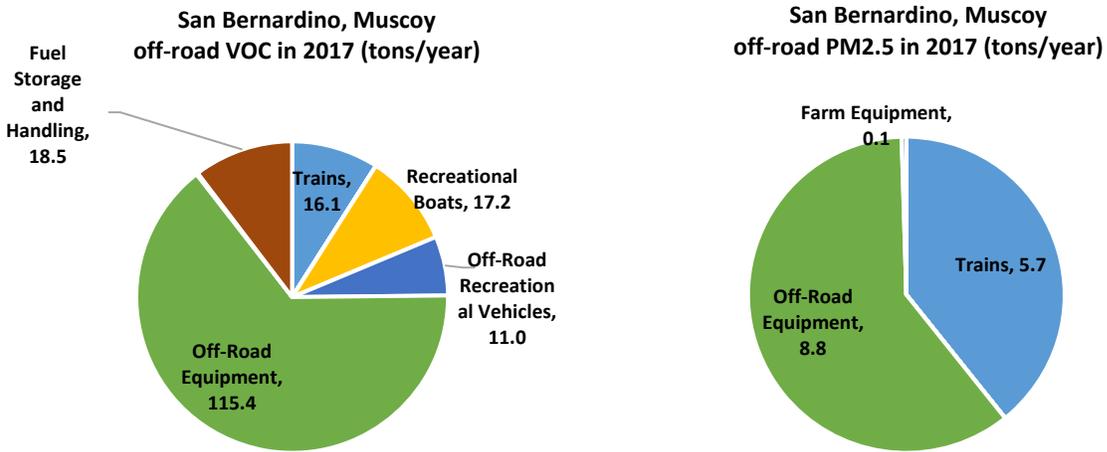
### Off-road mobile sources

**Figure 9** presents the major sources of VOC and PM<sub>2.5</sub> emissions from off-road mobile sources. The largest contributor to total VOC from off-road mobile sources in the community is small off-road equipment. This category contains small off-road spark-ignition engines that include lawn and garden equipment, industrial and commercial utility equipment, golf carts, and specialty vehicles. Other significant sources of VOC include evaporative emissions from fuel storage and handling, recreational boats, recreational vehicles, and emissions from trains. Although there is no major waterway or waterbody in the SBM community, boats that are parked in the community still emit pollutants through fuel evaporation.

The largest off-road source contributing to PM<sub>2.5</sub> emissions is off-road equipment, both small commercial and large industrial equipment. The second largest contribution to PM<sub>2.5</sub> emissions from off-road sources in the community is trains. There is 1 intermodal railyard and 4 maintenance railyards within the community boundaries, and some of them are near residential areas.

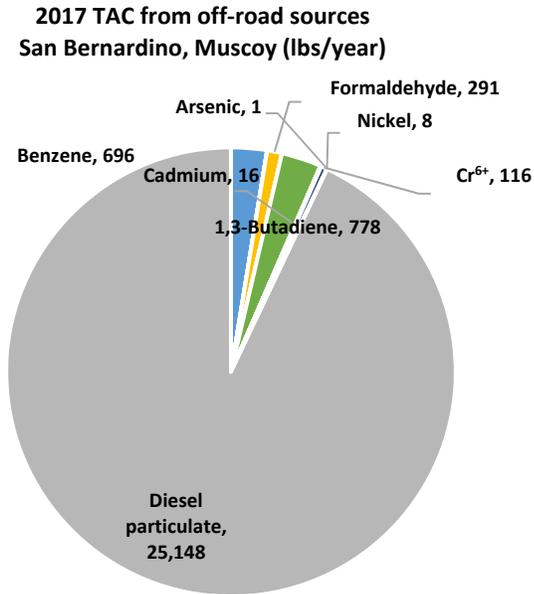
**Figure 10** presents the contribution of TAC emissions from off-road sources in the SBM community. DPM is the toxic air contaminant that contributes the most to total cancer risk in

the community from off-road mobile sources. The two main sources of DPM are trains and diesel off-road equipment (**Figure 11**).

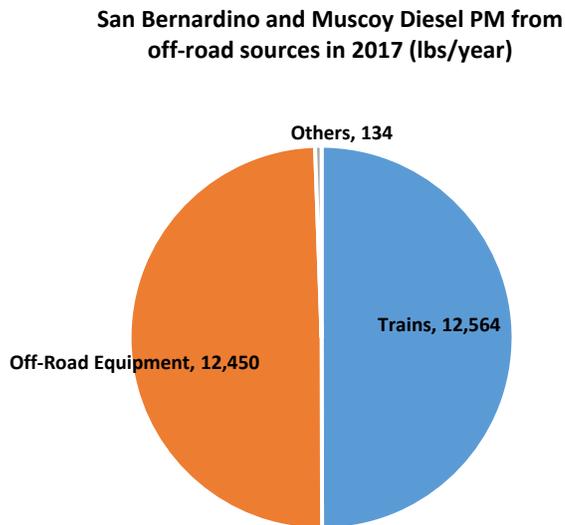


**Figure 9.** Source attribution of VOC emissions and PM2.5 emissions from off-road mobile sources in the San Bernardino and Muscoy community for the years 2017

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**Figure 10.** Contribution of toxic air contaminant from off-road mobile sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)



**Figure 11.** Source attribution of DPM from off-road mobile sources in the San Bernardino and Muscoy community for 2017 (shown in lbs/year, weighted by air toxics cancer risk)

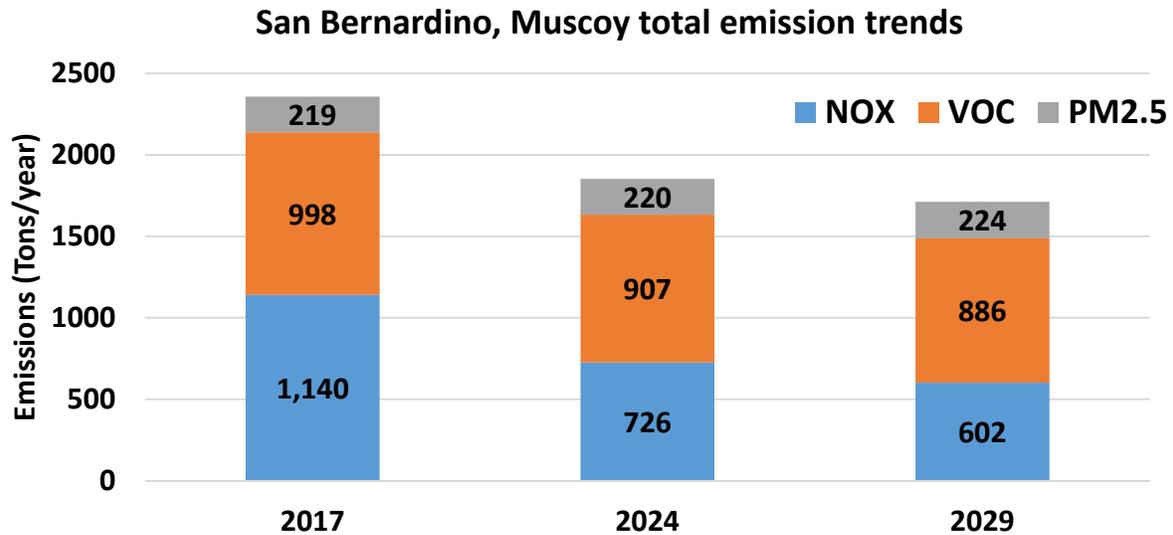
## Future year emissions inventory and source attribution

### Trends of emission changes for CAPs and TACs

Future emissions of CAPs and TACs in the SBM community are projected using the best available information on population growth, economic growth and emission adjustments reflecting ongoing regulations that reduce specific air pollutants. Regulations reflected in these adjustments include South Coast AQMD regulations and CARB regulations.

Heavy-duty diesel vehicles in this community will be subject to the CARB truck and bus regulation, with implementation dates after 2017. Off-road diesel equipment is also subject to existing state regulations that will reduce DPM emissions from these sources. The South Coast AQMD is developing various regulations to reduce NO<sub>x</sub> and VOC emissions since the adoption of the 2016 AQMP in March 2017. However, control factors for these future regulations and programs are still under development and not reflected in the current inventory. The current inventory for area and stationary sources reflects NO<sub>x</sub> and VOC rules adopted as of December 2015 and TACs rules adopted as of December 2017. Future versions of the emission inventory will reflect the more recently adopted regulations.

**Figure 12** presents the projected major CAPs emissions (NO<sub>x</sub>, VOC and PM<sub>2.5</sub>) in the SBM community in the two future milestone years 2024 and 2029, along with the base year 2017. The NO<sub>x</sub> emissions in the community are expected to decrease substantially between the year 2017 (1,140 tons/year) to the year 2024 (726 tons/year), due to the existing regulations on mobile sources and the emission reduction commitments under the RECLAIM program. The NO<sub>x</sub> emissions in 2029 are projected to continue decreasing (to 602 tons/year) despite the expected increase in industrial and mobile source activity. VOC emissions are expected to decrease by 11% between the years 2017 and 2029, mostly due to cleaner vehicle emissions. Unlike NO<sub>x</sub> and VOC emissions, PM<sub>2.5</sub> emissions increase by 2%, during the period from 2017 to 2029, due to increase in industrial and vehicle activity.



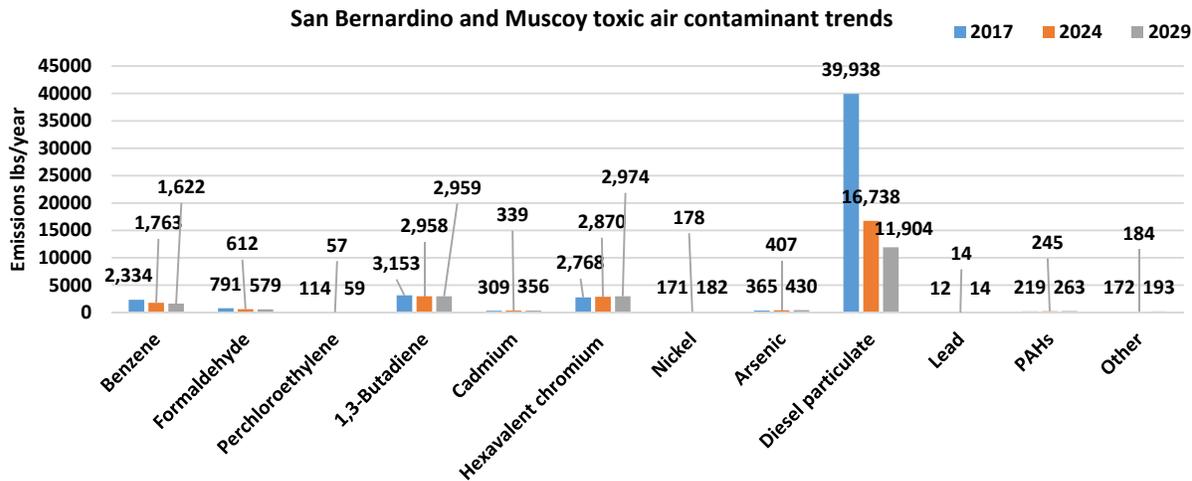
**Figure 12.** The community total emission trends for NOx, VOC & PM2.5 (tons/year) for the year of 2017, 2024 and 2029

Trends for TAC emissions are shown in **Figure 13**. DPM continues to dominate the TAC emissions inventory in future years, despite a significant reduction in DPM from heavy-duty trucks. DPM emissions decrease by 58% between 2017 (39,938 lbs/year) and 2024 (16,738 lbs/year), and continues to decline through 2029 (11,904 lbs/year). 1,3-butadiene is the second largest contributor to TAC, and these emissions remain relatively unchanged due to slight increases in industrial emissions offset by reductions in emissions from vehicles. The third largest contributor to TACs is hexavalent chromium, which increases slightly between 2017 and 2029, due to the increase in brake wear emissions and projected industrial activity growth. Benzene and formaldehyde emissions decrease throughout the 12-year period due to decreases in the emissions from vehicles, whereas emissions of metals such as cadmium, nickel, arsenic and lead, show a steady increasing trend due to projected industrial activity growth, and from paved road dust emission.

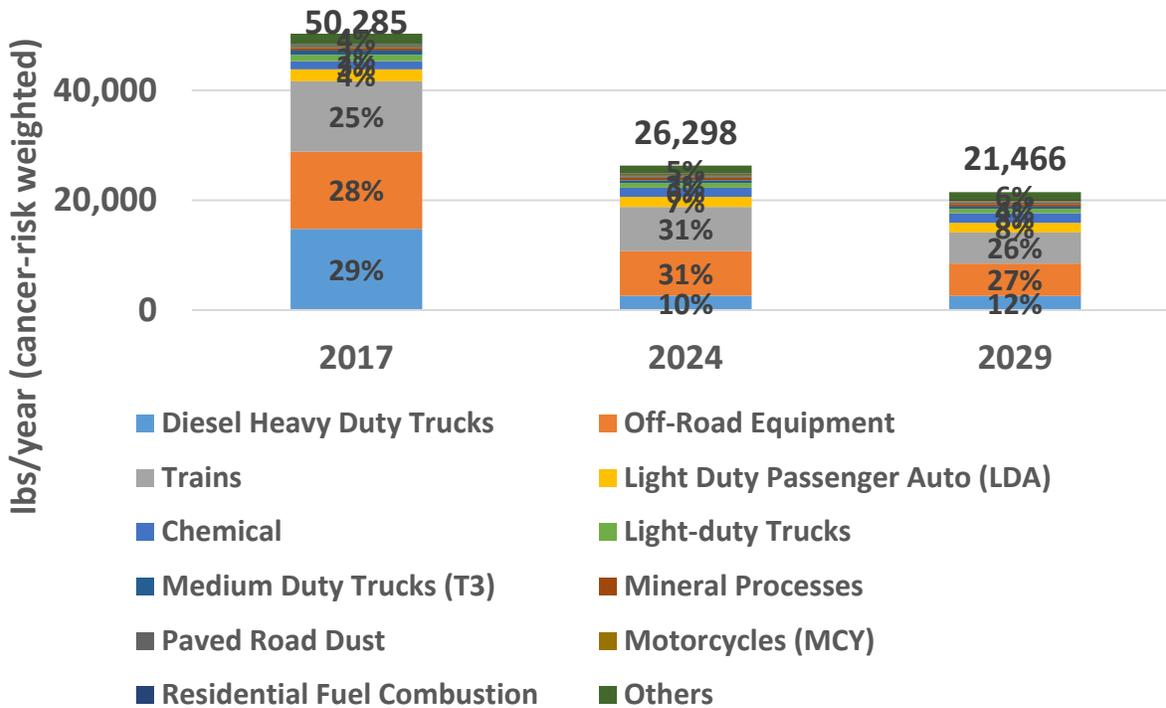
**Figure 14** presents the cumulative TAC emissions by the major categories for the base and two future milestone years. The overall cancer-risk-weighted emissions decrease between 2017 and 2029. The decrease is more pronounced in the first 7 years due to the emission reductions in diesel heavy duty trucks and off-road equipment.

It is important to note that many of the South Coast AQMD regulations addressing toxic metal pollution emissions from industrial facilities (e.g. South Coast AQMD Rule 1407 and Rule 1469) include requirements that reduce fugitive emissions from these facilities. Fugitive emissions can often account for the vast majority of the toxic metal emissions from a facility. Unfortunately,

the methods available to create an emissions inventory are not able to reflect fugitive emissions from these facilities. Therefore, while the inventory may not show an overall decrease in toxic metal emissions, the regulations result in overall decreased emissions due to reductions in fugitive emissions.



**Figure 13.** The community total emission trends for toxic air contaminants for the year of 2017, 2024 and 2029 (shown in lbs/year, weighted by air toxics cancer risk).



**Figure 14.** Toxic air contaminant emissions from all sources in the San Bernardino, Muscoy community, shown by major categories. Emissions are weighted based on their cancer risk relative to DPM.

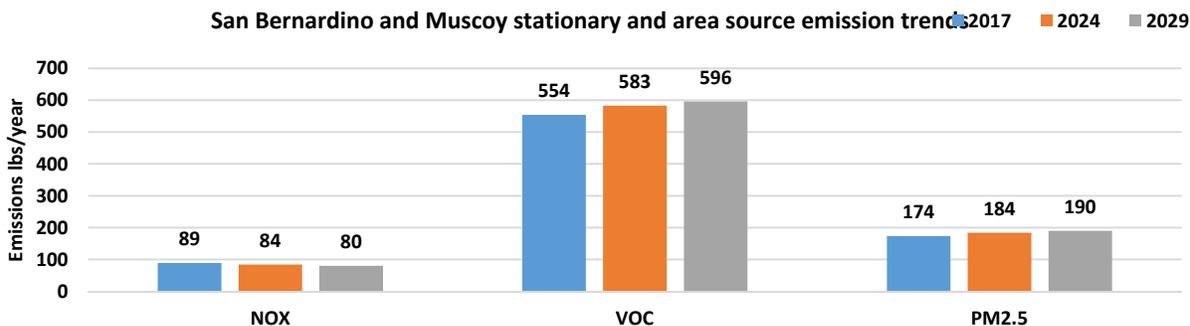
**Stationary and Area Sources**

The trends in total emissions of NOx, VOC and PM2.5 from stationary and area sources in this community are shown in **Figure 15**. NOx emissions are expected to decline from 2017 to 2024, due to the emission reductions from RECLAIM facilities.<sup>5</sup> VOC and PM2.5 emissions are expected to grow gradually due to the projected growth in population and economic and industrial activities.

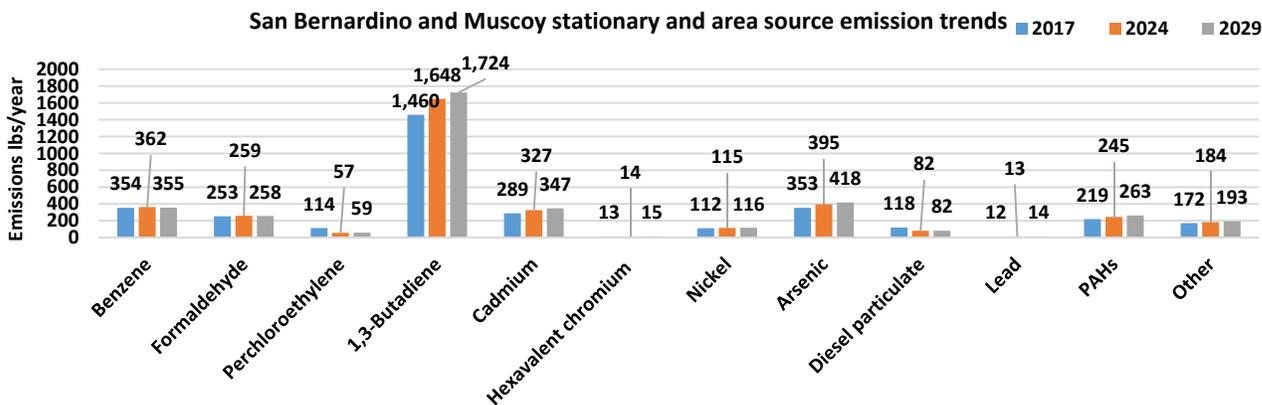
1,3-Butadiene is the largest contributor to total toxic emissions from area and stationary sources (**Figure 16**), and its emission is expected to grow from 2017 to 2029 due to the projected industrial activity growth during the same period. The major source for 1,3-butadiene emissions is the chemical industry. Emissions of other TACs that are primarily emitted from industrial

<sup>5</sup> NOx RECLAIM is an emission cap-and-trade program that includes larger stationary sources located in the Basin. The current regulation, Rule 2002 requires 12 tons per year of NOx emission reductions from 2016 to 2022. When the rule is fully implemented in 2022, no significant changes in NOx are expected except for a slight increase from 2024 to 2029 due to the growth in economic, industrial, and commercial activities. The 2016 AQMP includes a control measure to target an additional 5 tons per year of NOx reduction from the RECLAIM facilities by 2031. The impact of the additional “NOx shave” is not reflected in the community inventory since December 2015 was the cut off for stationary source regulations to reflect on the inventory. The rulemaking to achieve additional 5 TPD NOx is still ongoing and will be reflected on the inventory when it is finalized.

activities, i.e., formaldehyde, cadmium, arsenic, nickel, and lead, are also expected to increase due to industrial growth. Only DPM and perchloroethylene emissions are expected to decline due to on-going regulations.



**Figure 15.** Trends in NOx, VOC and PM25 emissions from stationary and area sources in the San Bernardino and Muscoy community. Emissions are presented in pounds per year



**Figure 16.** Trends in toxic air contaminant emissions from stationary and area sources in the San Bernardino, Muscoy community (shown in lbs/year, weighted by air toxics cancer risk).

**On-road mobile sources**

Trends for on-road emissions are presented in **Figure 17**. On-road emissions are expected to decline significantly between 2017 and 2024, due to the turnover of light-duty passenger vehicles

and heavy-duty trucks. NOx emissions will continue decreasing after 2024 but at a slower rate, because the effect of regulations will be partially offset by the increase in vehicle activity (**Table 1**).

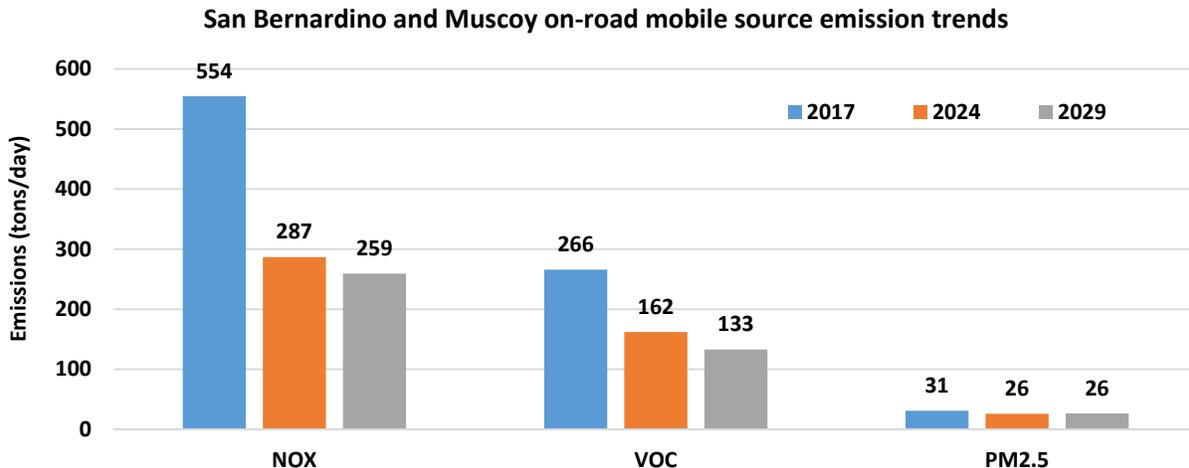
VOC emissions are expected to decline for all vehicle types except for motorcycles, whose emissions grow steadily between 2017 and 2029. PM2.5 emissions are expected to decline for all vehicle types between 2017 and 2024. After 2024, the effect of vehicle regulations on light-, medium- and heavy-heavy duty trucks is offset by their activity growth. Emissions of PM2.5 from heavy-duty trucks are expected to increase slightly, offsetting passenger vehicle PM2.5 emission reductions. As a result, overall PM2.5 emissions from vehicles are expected to remain unchanged between 2024 and 2029.

**Figure 18** presents the trends in emissions of TACs from on-road sources. DPM is the predominant TAC in 2017, followed by hexavalent chromium. However, DPM emissions decline drastically between 2017 and 2024, due to regulations on heavy-duty diesel trucks, and continue decreasing through 2029. Hexavalent chromium emissions are predominantly from brake wear, which is directly related to VMT, with a small contribution from fuel combustion. Because VMT from vehicles are expected to increase, emissions of hexavalent chromium are also expected to increase from this source. However, it is important to note that there is uncertainty in the amount of hexavalent chromium emissions associated with vehicular activities especially in brake wear. While the emission factors need further evaluation, the increase in VMT would still certainly contribute to the increase in vehicular emissions. Benzene emissions are projected to decline due to reductions in evaporative emissions from vehicles. Formaldehyde and 1,3-butadiene emissions are projected to decrease due to expected reductions in VOC emissions from vehicle exhaust.

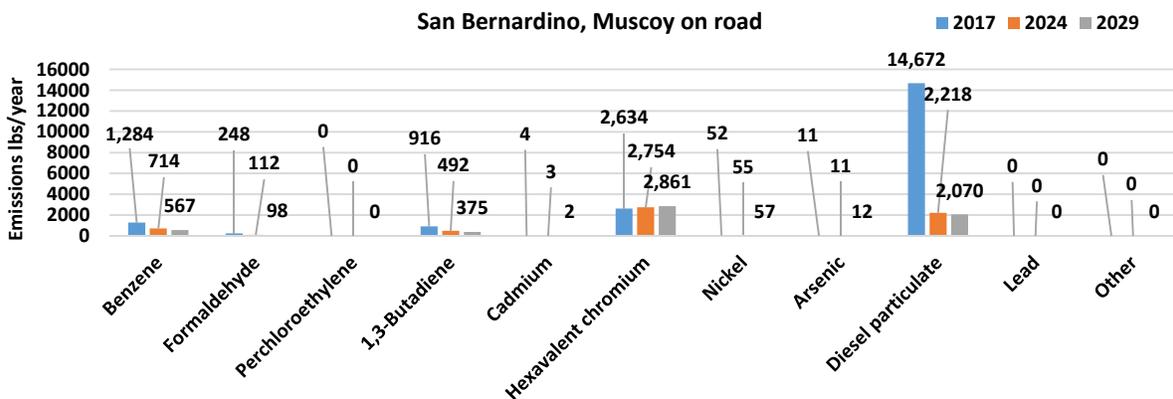
**Table 1.** Trends in vehicle miles traveled (VMT) from on-road mobile sources in the San Bernardino and Muscoy community

Year	Vehicle Categories					Total
	Light and Medium Duty	Light Heavy Duty	Medium Heavy Duty	Heavy Heavy-Duty	Buses	
2017	2,793	66	43	82	7	2,991
2024	2,855	49	57	106	7	3,074
2029	2,914	43	59	114	7	3,137

Unit in 1000 miles



**Figure 17.** Trends in NOx, VOC and PM25 emissions from on-road mobile sources in the San Bernardino and Muscoy community. Emission values in tons per year.



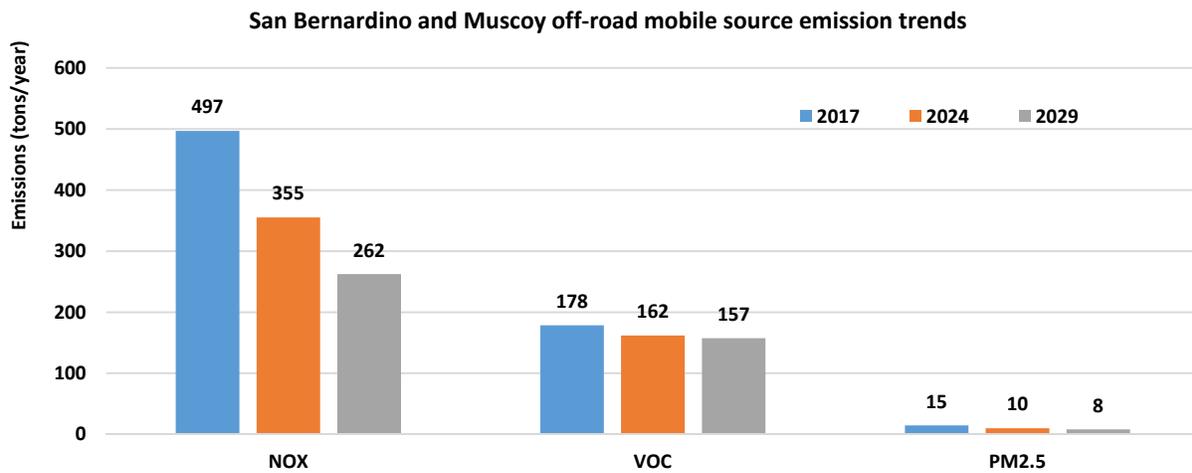
**Figure 18.** Trends in toxic air contaminant emissions from on-road sources in the San Bernardino, Muscoy community (shown in lbs/year, weighted by air toxics cancer risk)

**Off-road mobile sources**

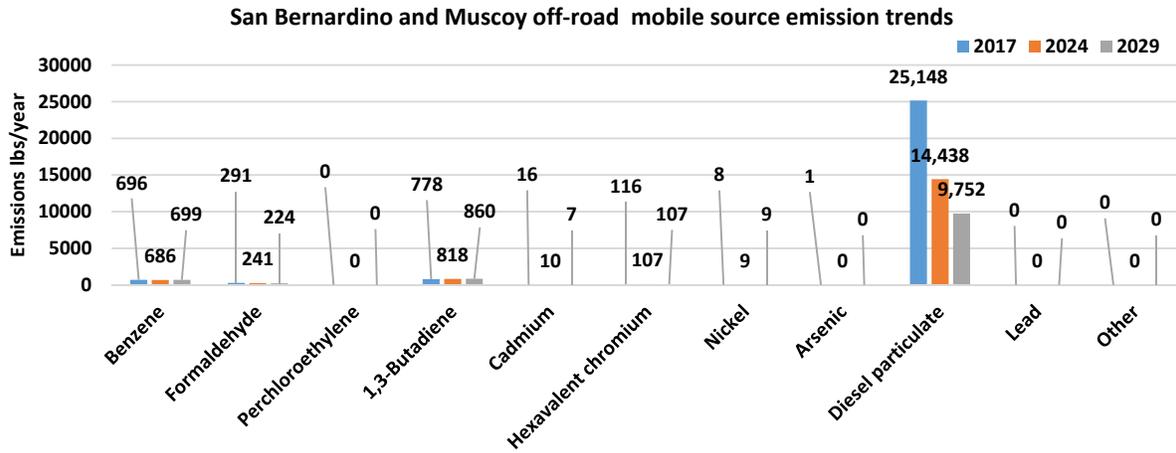
Trends in emissions of NOx, VOC, and PM2.5 from off-road mobile sources in the SBM community are presented in **Figure 19**. All three pollutants are projected to decline steadily between 2017 and 2029. In general, emissions are expected to decline due to emission reductions from trains and industrial off-road equipment, due to turnover of older equipment to newer, cleaner

equipment. Reductions in evaporative emissions from fuel storage handling and recreational vehicles drive the overall VOC reductions in the community.

Trends in toxic air contaminant emissions are presented in **Figure 20**. Emissions from off-road mobile sources are still dominated by diesel emissions from trains and off-road equipment in 2024 and 2029. Off-road equipment regulations reduce the overall TACs in the community. While benzene and 1,3-butadiene decrease between 2017 and 2024, the projected increase in industrial activity through 2029 offsets the effect of regulations in the 2017-2024 period. The emissions of the rest of relevant TAC are projected to decline as a result of regulations.



**Figure 19.** Trends in NOx, ROG and PM25 emissions from off-road mobile sources in the San Bernardino, Muscoy community. Emission values in tons per year.



**Figure 20.** Trends in toxic air contaminant emissions from off-road mobile sources in San Bernardino and Muscoy (shown in lbs/year, weighted by air toxics cancer risk)

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## Source Attribution Summary

The main sources of air pollution emissions in the SBM community are on-road traffic, trains, off-road equipment, and certain industrial activities.

NO<sub>x</sub> emissions in this community are dominated by mobile sources – both on-road and off-road – which account for more than 90% of the total emissions. Heavy-duty truck traffic, trains, and off-road equipment are the largest sources for NO<sub>x</sub>. Stationary and area sources contribute to less than 10% of NO<sub>x</sub> emissions in this community, mostly from fuel combustion in the residential, commercial, and industrial sectors.

VOC emissions are dominated by area sources, with consumer products being the largest source. Passenger vehicles and off-road equipment, such as lawn mowers and small gasoline engines, are the largest contributors to VOC from on-road and off-road mobile sources, respectively. Three quarters of PM<sub>2.5</sub> emissions are from miscellaneous area sources that include commercial cooking, residential fuel combustion, construction, and paved road dust.

TAC emissions in the SBM community are dominated by DPM from diesel fueled vehicles and equipment such as heavy-duty trucks, trains and heavy industrial off-road equipment. 1,3-butadiene is the second largest component of TACs based on cancer-risk-weighted emissions, and its major sources include chemical industry and on-road vehicles. Other significant TAC species include hexavalent chromium, predominantly from brake wear from on-road mobile sources.

Future NO<sub>x</sub> emissions in the community are expected to decrease due to the regulations on mobile sources. VOC emissions are also expected to decline, albeit at a slower pace than NO<sub>x</sub>. Emissions of DPM associated with heavy-duty trucks are also expected to decrease due to recent regulations, and CARB's in-use off-road diesel-fueled fleets regulation will also contribute to reducing DPM. Emissions of 1,3-butadiene from stationary and area sources are expected to increase slightly in the future years, due to increased industrial activity. However, in future years, DPM continues to be the main contributor to cancer risk in this community.

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# CHAPTER 4:

## ENFORCEMENT SUMMARY

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## Chapter 4: Enforcement Plan

### Introduction

This chapter describes the enforcement history and overall approach to enforcement by the South Coast AQMD and the California Air Resources Board (CARB). In addition, the Community Emissions Reduction Plan (CERP) includes focused enforcement actions, which are described within Chapter 5. It is important that enforcement actions are part of the overall AB 617 program actions, which enables the program to be more effective in addressing this community's air quality priorities.

### Overview of Air Quality Related Enforcement Program - Purpose and Jurisdiction

The primary goal of enforcement activities is for regulated entities to achieve compliance with air quality rules and regulations, and to protect public health. Part of this process involves consistently identifying and resolving violations, thereby ensuring a level playing field for all regulated entities and preventing unfair advantages for violators.

Both CARB and South Coast AQMD regulate and enforce air pollution regulations. Both agencies have the right to conduct inspections of air pollution sources, and the right to issue violations that can lead to penalties.<sup>i</sup>

An air pollution source can be a specific piece of equipment, a business, a government agency, or any other entity that creates air pollution. CARB is primarily responsible for enforcement of rules applying to trucks, buses, and other mobile sources, while South Coast AQMD is primarily responsible for enforcement of rules applying to facilities (e.g., stationary sources).<sup>ii</sup>

### Chapter 4 Highlights

- From 2016 to 2018, CARB has conducted over 1900 inspections and South Coast AQMD conducted approximately 99 inspections and responded to approximately 300 complaints in the San Bernardino, Muscoy community.
- Both CARB and South Coast AQMD will continue to design their programs to most effectively address sources within their respective jurisdictions.
- An enforcement approach that utilizes specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further emission reductions.

<sup>i</sup> More information about penalties is provided in the Appendix 4.

<sup>ii</sup> In some cases, CARB may have agreements that give local air districts delegated authority to enforce a particular CARB rule. Other regulations, such as CARB's truck idling regulation, expressly allow enforcement by local air quality regulators.

Table 4-1: Overview of regulatory authority for South Coast AQMD and CARB

Air Pollution Source Category	Examples	Main Regulatory Agency
<b>Mobile sources<sup>iii</sup></b>	Trucks, buses, ships, boats, cargo handling equipment	CARB
<b>Stationary sources</b>	Refineries, power plants, oil and gas facilities, manufacturing plants; indirect sources	South Coast AQMD
<b>Area-wide sources</b>	Paint used on buildings, dust	South Coast AQMD
<b>Sources of greenhouse gases</b>	Methane and volatile organic compound emissions from facilities	CARB and South Coast AQMD

### Enforcement History

Over the years, both CARB and South Coast AQMD enforcement staff have had a significant presence in the community of San Bernardino, Muscoy (SBM). This section provides the most recent 3-year enforcement history for each agency in this community.

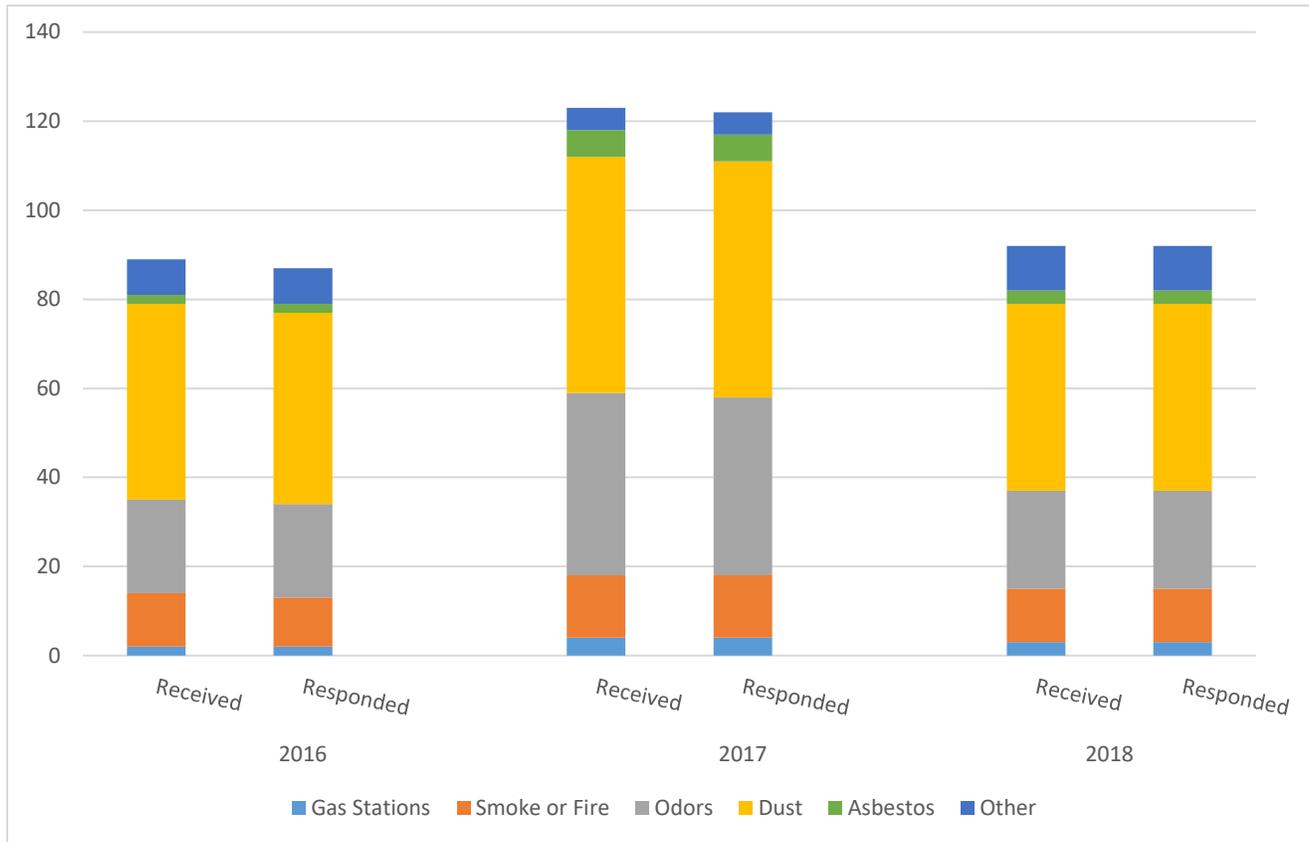
#### South Coast AQMD Enforcement History in this Community

South Coast AQMD's enforcement presence includes many different compliance-related activities including, but not limited to, investigating complaints, responding to breakdowns, and performing facility inspections.

Responding to complaints is a crucial part of South Coast AQMD's enforcement program. By taking complaints directly from members of the public, inspectors can focus their efforts to identify and address air pollution problems that matter to the community. South Coast AQMD's enforcement team gives priority to complaints and attempts to respond to every air quality complaint received. The process of responding to a complaint can be unique for each complaint, depending on factors such as whether the air quality concern is ongoing, the type of source, the time of day, and the number of complaints for that air quality concern. For example, South Coast AQMD responds to off-hour complaints based on the number of complaints that are received for a particular air quality concern. Figure 4-1 shows the number and types of complaints received by South Coast AQMD in this community, for the 2016 to 2018 time period. A large portion of the complaints in the SBM community are due to dust and odor concerns.

<sup>iii</sup> Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions.

Figure 4-1: Number of complaints (by type) in the San Bernardino, Muscoy community.



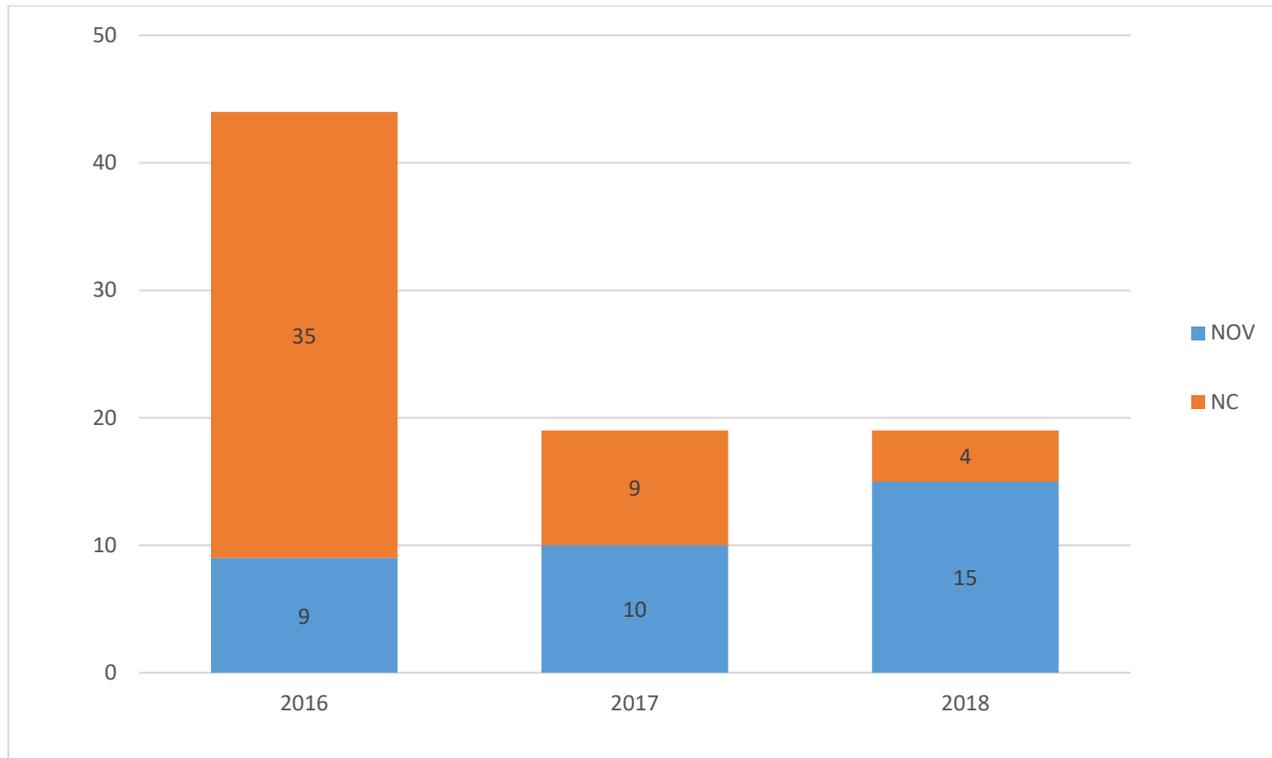
Additionally, South Coast AQMD's enforcement staff perform inspection activities at facilities and other air pollution sources. These activities can include onsite inspections for permitted and non-permitted equipment, leaks, and compliance with rules, as well as surveillance activities in the community, such as to trace the source of an odor. As of May 2019, there are approximately 154 facilities permitted by the South Coast AQMD in this community.

Enforcement actions typically involve issuing one of two types of notices:

- *Notice to Comply* (NC) – requiring a facility to quickly correct a minor violation or to provide specified records; or
- *Notice of Violation* (NOV) – formally identifying a violation of particular rules or regulations, which may result in civil penalties or, in some cases, referral for criminal prosecution.

Between 2016 and 2018, South Coast AQMD conducted approximately 99 facility inspections and issued 34 NOVs in the San Bernardino, Muscoy community. Figure 4-2 shows the number of NCs and NOVs in this community during 2016 and 2018. A list of these compliance actions is available in the Appendix 4.

Figure 4-2: Number of Notices to Comply (NCs) and Notices of Violation (NOVs) issued in the San Bernardino and Muscoy community



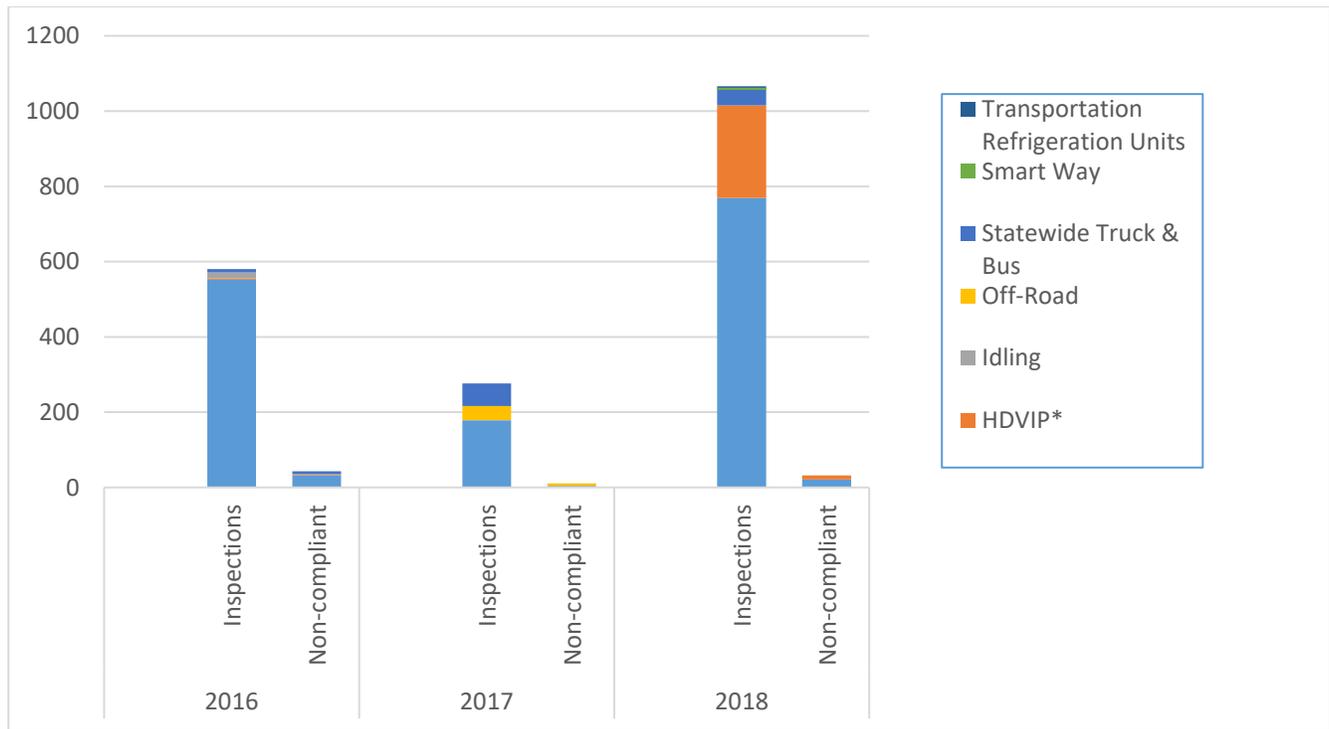
#### CARB Enforcement History in this Community

CARB's enforcement process is two-pronged, including conducting field inspections and fleet-wide audits. For field inspections, the focus has been on enforcing heavy-duty diesel vehicle (HDDV) regulations, such as the statewide truck and bus rule, off-road rule, and the heavy-duty vehicle inspection program (HDVIP); at the refineries and fueling stations enforcing fuel formulation regulations; and in the ports enforcing regulations related to shore power, ocean-going vessels, commercial harbor craft and cargo handling equipment. As Figure 4-3 shows, of the vehicles inspected in the San Bernardino, Muscoy community, compliance with CARB's regulations overall appears high, but has varied (see Appendix 4 for CARB's 2016 - 2018 Three-Year Enforcement History) annually. This is potentially dependent on a few factors, including the number of vehicles inspected, the method of selecting vehicles for inspection (e.g., targeting vehicles that might fail inspection), and a number of other factors outside the scope of this analysis. CARB's enforcement has been focused on HDDV regulations, such as the Drayage Truck and the Statewide Truck and Bus rules, as well as the Heavy-duty Vehicle Inspection Program (HDVIP) in this area, with over 1900 inspections conducted in the community in the past three years. Of those vehicles inspected, less than 90 were not in compliance with CARB's regulations. Specifically, over 1000 inspections were conducted at the railyards in 2018. Of the 1066 inspections conducted at BNSF's railyards in SBM in 2018, there were 32 violations, of which 27 were non-emissions violations (e.g., lack of labeling or reporting).

For fleet-wide audits, generally fewer heavy-duty vehicle enforcement inspections have occurred in the area during this time-frame, however beginning in 2018, CARB added the Streamlined Truck Enforcement Program (STEP) to enhance its ability to enforce the Statewide Truck and Bus regulation. Between January 2018 and May 2019, CARB audited 176 fleets in SBM. Of the 353 vehicles in the audit, CARB placed California Department of Motor Vehicles (DMV) registration holds on 198 of those vehicles. This represents a compliance rate of 44 percent with the Statewide Truck and Bus rule. The STEP and CARB’s roadside inspection program complement each other. In CARB’s roadside inspections, which represent a snapshot of heavy duty vehicle activity, the overall compliance rate from 2016 – 2018 was 93 percent (based on inspecting 112 vehicles). As of May 2019, owners have brought 17 of those vehicles audited in STEP into compliance. While the STEP process can assess more trucks quicker than in-person roadside inspections, CARB believes that compliance with the Statewide Truck and Bus regulation will continue to improve next year as compliance is tied to California DMV vehicle registration<sup>iv</sup>.

For some of CARB’s regulations, enforcement staff have not yet conducted extensive enforcement activities on the concerns that the CSC has raised. However, CARB’s enforcement efforts are being enhanced in this community to address community concerns.

Figure 4-3: CARB Heavy-duty Diesel Vehicle Enforcement History by Program Type in the San Bernardino and Muscoy Community.



In summary, between 2016 and 2018, both CARB and South Coast AQMD have conducted a range of compliance activities in the community including more than 1900 inspections from CARB enforcement

<sup>iv</sup> State Bill 1 ([https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill\\_id=201720180SB1](https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201720180SB1))

staff related to heavy-duty diesel vehicles. Of those inspections, the vast majority of vehicles were in compliance, with less than 90 not in compliance. South Coast AQMD enforcement staff conducted approximately 100 facility inspections, responded to approximately 300 complaints, and conducted numerous other investigation activities in SBM. South Coast AQMD issued 34 Notices of Violation. Considering that a portion of these compliance actions are focused on the same facilities, the compliance rate may not be an effective indicator of overall compliance within the area.

Due to the air pollution concerns in this community, an enforcement approach by both agencies that fully utilizes their specialized program structures, outreach efforts in the community, use of technology, and interagency partnerships can lead to further reductions in non-compliance and emissions. Both South Coast AQMD and CARB will continue to work closely with the CSC to identify and investigate air quality issues within the community.

### Enforcement Approach - Program Structures

Both CARB and South Coast AQMD have designed their programs to most effectively address sources under their respective jurisdictions.

#### South Coast AQMD's Office of Compliance and Enforcement

The structure of this group is based on teams that focus on source type, and inspectors are also assigned by geographic region. The organizational structure based on source type enables inspectors to become technical specialists on the air pollution regulations that apply to the types of industries or facilities assigned to that team. In addition, assigning inspectors by geographic area improves the agency's ability to respond in a timely manner to complaints or compliance issues in that area.

For example, an office building may have a diesel backup generator that would be inspected by the Industrial team. This team has the broad knowledge to inspect a wide variety of source types and equipment. A wastewater treatment plant may also have a diesel backup generator, but these are inspected by the Toxics & Waste Management team which has the training and personal protective equipment (PPE) to conduct inspections at facilities with Toxic Air Contaminants. However, certain facilities may be inspected by multiple teams to ensure that the approach is focused enough to address a variety of sources, yet flexible enough to handle complex facilities.

For most teams, the inspectors conduct regular inspections at their assigned facilities or within their assigned geographic regions. The frequency of regular inspections depends on the type of facility. For example, a chrome plating facility is inspected more frequently than an auto body shop. It is important to consider that there are approximately 110 chrome plating facilities in the South Coast Air Basin, compared to over 1,500 auto body facilities in the region. When considering limited resources, inspection priority is typically given to higher risk pollution sources – that is, those facilities that emit the more toxic air pollutants and/or are close to schools, hospitals, and residential areas.

The following teams operate in the SBM community:

Figure 4-5: South Coast AQMD Enforcement Program teams



The **Industrial team** focuses on the widest variety of sources, ranging from dry cleaners to large manufacturing facilities to idling truck sweeps. Inspectors in this team are assigned a geographic region and normally spend much of their time in the field. From this team, 2 inspectors regularly conduct compliance activities in SBM.



The **Major Sources team** focuses on sources that are in the REgional Clean Air Incentives Market (RECLAIM)\* program. Examples of these sources include power plants, oil production sites, and large manufacturing facilities. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities, some of which are in SBM.



The **Service Station team** Focuses on gasoline service stations that serve the public, which can emit volatile organic compounds (VOCs). Inspectors in this team are assigned a geographic region. From this team, 2 inspectors regularly conduct compliance activities in SBM.



The **Toxics team** focuses on facilities that emit Toxic Air Contaminants, including hexavalent chromium, lead, and other toxic metals. Examples of these facilities include landfills, waste treatment facilities, water treatment facilities, lead acid battery manufacturers, and chromium plating and anodizing shops. Inspectors in this team are assigned a geographic region, and 1 inspector regularly conducts compliance activities in SBM.

The following teams are a part of OCE, but do not regularly conduct compliance activities in SBM:



The **Energy team** focuses on crude oil production, energy storage sites, and bulk petroleum terminals. Inspectors in this team usually work in pairs for safety, as well as the need to operate portable equipment. Inspectors in this team are assigned by facility, with each inspector assigned a set of facilities.



The **Refinery team** focuses on all the refineries, auxiliary hydrogen plants, and marine terminals in the South Coast Air Basin. Inspectors in this team are assigned by facility, with each inspector dedicated to a refinery and auxiliary plants. This team is based full-time in the Long Beach Field Office to ensure close proximity to the refinery sources that it regulates.

\*RECLAIM, for REgional Clean Air Incentives Market, is a program that requires participating facilities to manage their total nitrogen oxides (NOx) and/or sulfur oxides (SOx) emissions (which reduce over time) by adding pollution controls, changing their equipment or processes, or buying credits from other RECLAIM facilities that have lower emissions than their cap. The program is currently being transitioned to a command-and-control regulatory program.

### CARB Enforcement's Program Structure

Through targeted enforcement or public complaints, CARB identifies a potential violation. CARB then contacts the responsible party to explain the enforcement process and to obtain additional information. Enforcement staff evaluates the information collected and works with CARB's Legal Office to determine violations of statutory and/or regulatory requirements. When violations are substantiated, CARB can take enforcement action, at which point the responsible party is provided an opportunity to respond to the violation.

This outcome includes taking appropriate enforcement action within the scope of CARB's enforcement authority, which may include issuing cease and desist orders, Notices of Violation, mitigation, or pollution prevention actions. Cases can be resolved via civil and criminal litigation. In lieu of litigation, cases typically are settled through CARB's mutual settlement program. Penalties are sought that provide adequate deterrence to future non-compliance or public nuisance.

For example, in 2017, settlement agreements were made with Union Pacific Railroad Company (UP) and BNSF Railway regarding drayage truck regulations. Under CARB's Drayage Truck Regulation, California ports and Class I rail terminals must report non-compliant heavy-duty diesel trucks entering their facilities. For years, BNSF and UP failed to accurately report to CARB information on non-compliant trucks entering their facilities, which hampered CARB's ability to enforce the regulatory requirements. The settlements resulted in UP turning away non-compliant trucks from their facilities and BNSF accurately reporting truck data to CARB for enforcement, resulting in reduced diesel emissions from heavy-duty diesel trucks around both UP and BNSF facilities.<sup>8</sup>

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP)<sup>v</sup>. Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the SBM community through the proposal process.<sup>9</sup> CARB has over 50 enforcement programs that focus on specific source types.

A few of the programs that are relevant to enforcement activity in SBM community are:

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<sup>v</sup> Other examples of enforcement settlement cases can be found in CARB's Annual Enforcement Reports (<https://www.arb.ca.gov/enf/reports/reports.htm>).

Figure 4-6: CARB Enforcement Program teams relevant to the SBM community



CARB conducts **idling** sweeps to ensure regulatory truck and bus idling limits are not exceeded.



**Drayage** vehicles move goods by certified heavy-duty vehicles (HDV). HDV that enter the port or intermodal facility are required to be certified to meet clean emission standards.



Regulations aimed at cleaning up **'off-road'** construction equipment such as bulldozers, graders, and backhoes. These requirements are in place to help ensure that diesel soot filters are installed on off-road equipment.



**SmartWay**: The Tractor-Trailer Greenhouse Gas Regulation requires 53-foot or longer dry van or refrigerated van trailers and the tractors that pull them on California highways to use certain equipment that meets US EPA efficiency standards.



**Transport Refrigeration Units (TRUs)**: Inspect secondary engines to ensure TRUs meet labeling and clean air requirements.



**Cargo handling equipment** investigations are led by CARB to identify opportunities to reduce emissions from idling at ports and intermodal rail yards.



For the **Heavy-Duty Vehicle Inspection Program**, CARB regularly conduct inspections for:

- Diesel Emission Fluid (DEF): a liquid used as a reductant in heavy duty diesel engines to reduce NOx emissions.
- Emission Control Label (ECL): Engine certification labeling requirements
- Smoke/Tampering: Requires heavy duty trucks/buses to be inspected



**Statewide Truck and Bus** program requires all vehicles with 2009 or older engines weighing over 14,000 pounds to reduce exhaust emissions by upgrading to 2010 or newer engines by 2023. Non-compliant vehicles will be denied DMV registrations.

## How the Public Helps Reduce Air Pollution

Members of the public play an important role in communicating air quality concerns to both South Coast AQMD and CARB. The complaint process helps both agencies identify issues that are directly affecting the SBM community. The most effective way to contact the agencies is through the complaint hotlines. In addition to South Coast AQMD's mobile application, both agencies can be contacted by phone and online:

<p style="text-align: center;"><b>CARB - Mobile Sources</b></p> <p style="text-align: center;"><b>Automobiles, Trucks, Off-road Equipment, or other Vehicles</b></p> <p style="text-align: center;">Phone: 1-800-END-SMOG</p> <p style="text-align: center;">Online: <a href="http://calepa.ca.gov/enforcement/complaints">calepa.ca.gov/enforcement/complaints</a></p>	<p style="text-align: center;"><b>South Coast AQMD - Stationary Sources</b></p> <p style="text-align: center;"><b>Odors, Smoke, Dust, or other Air Contaminants</b></p> <p style="text-align: center;">Phone: 1-800-CUT-SMOG</p> <p style="text-align: center;">Online: <a href="https://www.aqmd.gov/home/air-quality/complaints">https://www.aqmd.gov/home/air-quality/complaints</a></p>
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Both CARB and South Coast AQMD value input from those who live and work every day in the community, and communicating air quality issues directly to the agencies with the information below is the best way to address an air pollution concern. Letting us know of an issue when it is occurring rather than after the fact helps South Coast AQMD's and CARB's ability to find the source of the problem.

An effective complaint should contain information with specific details. This information helps inspectors conduct a thorough investigation and take appropriate enforcement action. The following information is valuable to a thorough complaint investigation:

- Type of air quality concern (odor, smoke, dust, etc.)
  - o Odors: description of odor
  - o Smoke: color of smoke; does the smoke disappear or hang in the air?
  - o Dust: type of dust
- Location of air pollution concern
- Name or address of potential source
- Time of day that the air quality issue began, and is the concern still occurring?
- Has the concern occurred before, and do other people in your community experience it as well?
- Contact information for the person reporting the complaint<sup>vi</sup>

## Technology

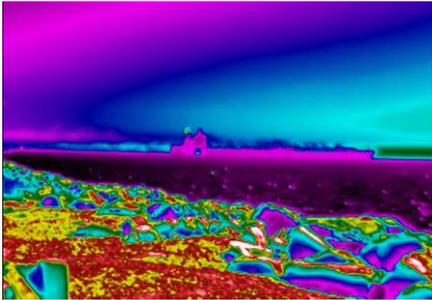
Both South Coast AQMD and CARB enforcement staff have embraced the use of technology as a means for more efficient and effective inspections. South Coast AQMD inspectors have access to advanced

<sup>vi</sup> Although anonymous complaints are accepted, staff have found that having contact information helps with getting additional information to help with the investigation.

instruments to help identify air pollution issues in real-time. The following portable instruments are available to inspectors:

Figure 4-7: Portable instruments used by South Coast AQMD inspectors in the field

*Toxic Vapor Analyzers (TVA):* Inspectors can use TVAs to provide information about the level of certain gases in a specific area. This includes methane and volatile organic compounds (VOCs), which are emitted by petroleum sources and other types of sources.



*Infrared Cameras:* Inspectors can use specialized infrared cameras to view emissions of gases (including methane and VOCs) that would otherwise be invisible to the naked eye. This equipment enables inspectors to scan areas for emissions and quickly check for any large leaks at a facility.

*X-Ray Fluorescence (XRF):* Inspectors can use this handheld instrument to identify the types of chemicals that are on a surface or in a dust pile. This tool helps identify potential pollutants that are particles. For example, an XRF can be used to scan surfaces at a facility to identify which specific toxic metals may be deposited in that location, and which locations have the highest levels of those toxic metals.



*H<sub>2</sub>S Analyzers (Jerome Meters):* Inspectors can use this handheld instrument to measure hydrogen sulfide gas levels in the air. This information can be used to identify a potential source of rotten egg type odors.

In addition, inspectors are trained on how to collect field samples, including air samples, liquid samples, or bulk material samples. These samples can then be provided to the South Coast AQMD laboratory or contract laboratories for analysis. The results of these analyses can be used as evidence to support investigations and/or Notices of Violation issued to air pollution sources.

South Coast AQMD regulates over 25,000 facilities, receives approximately 10,000 public complaints per year, and operates a vast air quality monitoring network; and CARB regulates a significant number of mobile sources throughout the state. Analyzing the data that results from these efforts can provide

insight into the trends and sources of air pollution as well as new enforcement opportunities. Both agencies use information technology to enhance the ability to conduct investigations and enforce regulations. As an example, for CARB's truck fleet enforcement program, the traditional approach was to inspect several thousand trucks annually through fleet-based inspections. Starting in January 2018, CARB began the Streamlined Truck Enforcement Process (STEP), and is now able to conduct 20,000 to 25,000 inspections per year through the use of a data-driven approach, non-compliance letters, and a scheduled settlement process. South Coast AQMD's investigation of crude oil tankers is another example of using information technology in enforcement activities. Inspectors used mapping software, weather data, and ship databases to help identify an oil tanker as a potential source of emissions. The oil tanker was later issued a Notice of Violation when it berthed at a port. These multi-faceted approaches can be applied to address other air pollution concerns in SBM. Providing transparent access to the information that both agencies possess will lead to a stronger partnership with the community.

### The Interagency Approach

CARB and South Coast AQMD are committed to working with other agencies on joint initiatives that will directly result in cleaner air. The combined resources, expertise, and legal authorities of different agencies can create a well-rounded approach to the regulatory process that leverages their respective strengths to address issues that cumulatively impact public health. For example, San Bernardino County Fire Department partnered with South Coast AQMD to conduct targeted inspections of spray booths with the Industrial team and inspections of gas stations with the Service Station team.

Figure 4-8: Examples of agencies that collaborate with South Coast AQMD and CARB



CARB partners with local agencies to create memoranda of understanding (MOUs), such as an agreement with South Coast AQMD to enforce CARB's greenhouse gas standards at certain facility types. In addition, CARB has already established partnerships with California DMV working on implementing registration holds for non-compliant trucks and buses, California Highway Patrol (CHP) to conduct roadside inspections, and other state and regional agencies to ensure we are supporting each other's enforcement efforts. Both South Coast AQMD and CARB have demonstrated experience working in close

collaboration with other regulatory agencies, cities and counties, public health agencies, and local police and fire departments to conduct investigations and provide public information about local air pollution sources.

## Enforcement Considerations

An effective enforcement program must be flexible and adaptable to address the needs of the communities. Part of being adaptable is the ability to identify and address gaps in the enforcement process, such as previously unknown facilities or new pollutants of concern. As revealed over the course of the public process for CERP development, one such gap has been a lack of communication with members of the community, who have firsthand experience with local emissions sources and whose input can be quite valuable to enforcement efforts. South Coast AQMD has therefore prioritized outreach and added new positions to interact directly with the AB 617 communities, including dedicated compliance staff assigned in those communities. Because South Coast AQMD organizes its enforcement division both by source type for technical specialization and by geographic region, there is not a single dedicated team for AB 617; rather, the effort is spread across multiple existing teams so that a larger number of complaints and potential violations of air quality rules can be identified and addressed.

In addition, both CARB and South Coast AQMD currently maintain extensive records of compliance-related activities through the use of databases and other digital resources. OCE uses these resources to track metrics such as complaints, inspections, and enforcement actions. The data provided in this chapter and Appendix 4 are derived from those databases. The particular statistics being tracked are also routinely reevaluated. For example, OCE recently added an Agency Technical Assistance metric for instances where South Coast AQMD was asked by another agency to assist in that agency's efforts, often by way of collecting samples or providing ambient air monitoring. CARB and South Coast AQMD will both continue to evaluate new metrics that may help to track and analyze inspectors' efforts in the AB 617 communities in order to attempt to identify more effective allocations of resources and/or potential solutions to air quality issues.

Finally, enforcement mechanisms exist that are designed to promote, and, if necessary, compel, compliance by regulated sources. As discussed above, after South Coast AQMD inspectors investigate complaints and/or conduct facility inspections, they can issue notices to comply or notices of violations. While notices to comply will generally require further action by a source, notices of violation are referred to the Office of the General Counsel, where penalties are negotiated. If no settlement is reached, a civil lawsuit can ultimately be filed in superior court. Ongoing non-compliance, however, may lead to a petition for an order of abatement before the Hearing Board, which would have the authority to require a facility to take certain actions to achieve compliance. CARB and South Coast AQMD have each had a presence in this community that has led to various enforcement actions against local facilities.<sup>vii</sup>

In sum, the compliance process seeks to ensure that all rules and regulations are followed through a fair and robust enforcement program, resulting in reduced air pollution emissions. Adaptability is crucial,

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<sup>vii</sup> Additional detail on South Coast AQMD and CARB enforcement actions can be found in Appendix 4.

whether in the programs overall, or in day-to-day operations, to ensure that community concerns are addressed quickly and that enforcement action is taken when violations are identified. Both CARB and South Coast AQMD enforcement teams will continue to search for innovative strategies, lead in community transparency, and take swift action to address non-compliance.

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# CHAPTER 5A:

## ACTIONS TO REDUCE AIR POLLUTION EMISSIONS OR EXPOSURES - OVERVIEW

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## Chapter 5a: Actions to Reduce Community Air Pollution

### Introduction

The CERP provides an overall path to reducing air pollution in the San Bernardino, Muscoy community. Through the development of the CERP the CSC identified air quality priorities based on sources of air pollution (e.g., neighborhood truck traffic, warehouses, railyards) that are of concern to the community. To reduce air pollution from these sources, the CSC developed a set of actions to be implemented by government agencies, organizations, businesses, and other entities.

### Community Air Quality Priorities

The community of San Bernardino and Muscoy identified neighborhood truck traffic, warehouses, the OmniTrans bus yard, railyards, and concrete batch plants and asphalt/aggregate plants as air quality priorities. These sources of air pollution are often located close to homes, schools, and other community areas where the public can be exposed to harmful pollutants. As a result, exposure reduction at schools, childcare centers, and homes is also a priority for the community.

### Ongoing efforts

The South Coast AQMD, CARB, and U.S. EPA have air quality regulations to reduce air pollution that apply to facilities in various source categories. The relevant agencies enforce these regulations. Additionally, the South Coast AQMD and CARB have begun the process of developing new requirements that would further reduce air pollution from sources prioritized by the community.

### Opportunities for Action

In addition to the ongoing efforts described above, the CSC developed new actions to reduce air pollution in the community. Each action is to be carried out based on a set of strategies, goals, and timelines. The entity (e.g., government agency or organization) responsible for the actions is also identified. The actions set forth in this chapter define a path to further reduce air pollution

### Chapter 5 Highlights

- Many new actions will be taken to address the community's air quality priorities
- South Coast AQMD will use many different strategies, such as regulation, incentives, outreach, enforcement, monitoring, and more
- Many actions also rely on effective collaborations with agencies, organizations, businesses, and others
- The estimated emission reduction targets resulting from incentives supported by actions in this CERP are:
  - NOx: 40 to 50 tons per year
  - PM: 0.5 to 0.6 tons per year
- Additional emission reductions are achieved through actions that include strategies, such as, rule development and enhanced enforcement

from sources in the San Bernardino, Muscoy community and provide additional protections for children at their schools.

### Emissions Reduction Targets

The actions in the CERP prioritize emissions reductions in the San Bernardino, Muscoy community. Implementation of the CERP is estimated to reduce nitrogen oxides (NO<sub>x</sub>) emissions by 40 to 50 tons per year and particulate matter (PM) emissions by 0.5 to 0.6 tons per year. These emissions estimates are based on data from past incentive projects<sup>i</sup> (e.g., replacing heavy-duty trucks with cleaner trucks, replacing cargo handling equipment at railyards). Additionally, the estimated emissions reductions consider potential future incentive projects that are targeted by the actions in this chapter. For example, Subchapter 5b – Neighborhood Truck Traffic, includes an action to reduce emissions from heavy-duty trucks. The CERP contains measures focused on outreach efforts to incentivize the replacement of older equipment with newer, less polluting equipment. These measures are coupled with commitments from South Coast AQMD staff to conduct public outreach events in the community to recruit potential applicants for incentives.

Some actions in this chapter are likely to result in additional emissions reductions that are not quantifiable at this time. For example, Subchapter 5e – Railyards, includes an action that would reduce emissions from the BNSF railyard. The target for this action is to pursue strategies to reduce air pollution from railyards through the development of indirect source requirements. However, reductions from this action would be quantified during the rule development process for Facility Based Mobile Source Measures to provide staff an opportunity to evaluate technologies that would reduce emissions at railyards.

Based on the air quality priorities identified by the CSC, the actions in this chapter also emphasize emissions reductions from fugitive emissions sources. For example, the CERP includes an action to address fugitive emissions and particulate matter from concrete batch, asphalt batch, and aggregate plants. This action requires enhanced air monitoring along with follow-up strategies (e.g., enforcement activities) to target emissions reductions from these sources. Based on the information available, emissions reductions from these actions cannot be estimated at this time. However, the CSC has recommended that these sources of fugitive emissions should be addressed by the CERP to improve air quality in the San Bernardino, Muscoy community.

South Coast AQMD is working with CARB to address emissions from mobile sources. CARB has committed to considering amendments to their rules and regulations within the CERP to address the air quality priorities in this community. The emissions reduction targets expected from the implementation of these rules and regulations is *[CARB to insert emission reductions]*.

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<sup>i</sup> Data was based on 2018 incentive projects.

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# CHAPTER 5B:

## NEIGHBORHOOD TRUCK TRAFFIC

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## Neighborhood Truck Traffic

### Background

The Inland Empire, including San Bernardino County, plays an important role in the goods movement industry, serving as a gateway between the Southern California ports and the rest of the continental United States.<sup>1</sup> The community of San Bernardino and Muscoy is home to an intermodal railyard, which includes the operation of locomotives, off-road equipment and heavy-duty trucks that contribute to the air pollution in the community. Warehouses near the Interstate-10 freeway just south of this community also attract truck traffic, which passes through the San Bernardino, Muscoy community. Trucks are used to deliver goods to and from railyards, warehouses, and retail stores.

It is important to note that many of the industries in this community rely heavily on regional and local truck transportation,<sup>2</sup> not only to receive goods, but also as a source of income for those who are hired to transport, store, and distribute these goods. The large volume of trucks adversely impacts the members of this community by creating diesel air pollution, congestion, accelerated deterioration of the local infrastructure (e.g., roads), and noise pollution.<sup>2</sup> Trucks often travel near and through local neighborhoods to reach their destinations, thus exposing residents to harmful air pollutants.

### Community Air Quality Priorities – Idling Trucks, Enhanced Enforcement of Existing Regulations and City Ordinances, Air Pollution from High Volume of Trucks, and Cleaner Technology Options

Diesel air pollution from trucks is an air quality priority for the San Bernardino, Muscoy community. Heavy-duty diesel trucks and vehicles that operate in the community include, heavy-duty trucks, trash trucks, transport refrigeration units, and other commercial vehicles. CSC members asked for regulations and incentives that result in the adoption of zero-emission trucks on the road as soon as possible. CSC members noted that there were many trucks driving through and idling in this community, and also noted that some trucks park for long periods of time on neighborhood streets.<sup>3</sup> CSC members recognize the limited resources of the City of San Bernardino, which impacts the City's ability to enforce local ordinances and designated truck routes. The County's policy plan is currently available for public review, which includes designating truck routes as a focus for one of its measures.<sup>4</sup> The CSC has requested that the AB 617 program increase enforcement of truck<sup>5</sup> and anti-idling<sup>6</sup> regulations, and utilize existing traffic information and available technology (e.g., Automatic License Plate Readers (ALPRs<sup>7</sup>)) to help identify potential truck routes and incentives for replacing older, higher-emitting trucks with cleaner technologies.

To address this source, the CSC identified ways to reduce emissions from trucks, such as:

- Regulations and incentives for zero-emission trucks on the road, when commercially available

- Increased enforcement of idling rules to reduce diesel emissions (including during non-business hours)
- Gather existing traffic information from local authorities (e.g., Caltrans) and from available databases, and implement new technology such as ALPR to collect data on truck traffic and assess the potential impact of truck emissions near schools. Provide data to local land use agencies to help prioritize truck routes that need to be reclassified in the general plan<sup>1,2</sup> or the community plan<sup>3</sup>. Use data to target truck owners of older, higher-polluting trucks for incentive programs to replace trucks with cleaner technology, including zero-emissions technology when feasible and commercially available
- Additional and new incentive and financing opportunities, especially for small businesses and independent truck drivers, for truck replacements with prioritization of zero-emission technologies once they become feasible and commercially available, and near zero-emission technologies until that time
- Working with the City and County of San Bernardino on efforts to design or redesign truck routes in the community
- Improving the complaint response system to report truck idling or a violation of City or County ordinance regarding air quality
- Enhancing outreach to commercial fleets, warehouses, and other facilities that operate heavy-duty diesel trucks in the community and provide them with information on the availability of zero-emission vehicles and incentive funding opportunities that are available

### Ongoing Efforts

#### *U.S. EPA and Statewide Efforts*

CARB's Airborne Toxic Control Measure (ATCM) places limits on idling of diesel-fueled trucks.<sup>6</sup> This regulation is enforced by CARB and South Coast AQMD, and will be a focal point of the enforcement activities in AB 617 communities. CARB continues to address truck diesel emissions reductions through existing and upcoming regulations, such as the Drayage Truck Regulation<sup>8</sup> and the Truck and Bus Regulation,<sup>9,10</sup> which include emission standard requirements. CARB is also responsible for enforcing the Commercial Vehicle Idling Regulation, where commercial vehicles (gross vehicle weight rating greater than 10,000 pounds) are prohibited from idling for more than five minutes.<sup>11</sup> In addition, to help cities address idling, CARB has developed an "Options for Cities to Mitigate Heavy-Duty Vehicle Idling" guidance document.<sup>12</sup> CARB has many new requirements that are also being considered that would further reduce emissions from trucks. Table 5-1 below illustrates the key upcoming activities from U.S. EPA and CARB.

Table 5b-1: Upcoming Rule Development/Activities from U.S. EPA and CARB

Agency	Proposed Action	Expected Decision	Expected Phase-in Period
U.S. EPA	<u>Cleaner Truck Initiative</u> <sup>13</sup> – In response to a petition from the South Coast AQMD, U.S. EPA has committed to updating its truck engine standard to reduce NOx emissions.	2020-2021	2024-?
CARB	<u>Drayage Truck Rule</u> <sup>8</sup> – Updated regulation to transition to zero-emission trucks.	2022	2026-?
CARB	<u>Advanced Clean Truck Rule</u> <sup>14</sup> – Mandate for truck manufacturers to sell zero-emission trucks and would require fleet reporting. By 2030, there will be a zero-emission truck/chassis sales requirement.	2019	2024-2030
CARB	<u>Zero-Emission Fleet Rule</u> <sup>15</sup> – Would require fleets to transition to zero-emissions.	2022	2024-?
CARB	<u>Heavy-Duty Low NOx Rule</u> <sup>16</sup> – Would set new statewide engine standards for trucks. 60-75% NOx reduction between 2024-2026. Additional reductions in 2027 and beyond.	2020	2024-?

#### *South Coast AQMD Efforts*

The South Coast AQMD funds projects to help develop zero-emission technologies for heavy-duty Class 7-8 trucks (e.g., battery electric, fuel cell). These projects are in the design and demonstration phase and the technologies are not yet commercially available. Additionally, the South Coast AQMD staff administers incentive programs for truck owners and operators to replace older polluting trucks with ones that are cleaner than required.<sup>17</sup> For example, South Coast AQMD's Voucher Incentive Program (VIP) is designed for smaller businesses with fleets of 10 or fewer vehicles that primarily operate within California.<sup>18</sup> VIP helps truck owners with older more polluting trucks reach current emissions standards. Also, the Carl Moyer Program<sup>19</sup> is another resource for truck owners to obtain trucks that are cleaner than required.

Another strategy could be the use of automated license plate readers (ALPRs), which is currently being explored by South Coast AQMD staff. These are high-speed, computer-controlled camera systems that can capture license plate numbers that come into their view. ALPR data, when cross-referenced with DMV data, can provide more information about vehicles (e.g., the chassis model-year and weight class for trucks) which can help build a picture of the fleet makeup that pass a specific location over time. Assumptions for relating chassis model year and engines installed on

a chassis can be used to estimate emissions from heavy-duty diesel trucks. South Coast AQMD staff is exploring the possibility of using this information to notify heavy-duty diesel truck owners that may qualify for incentive programs to replace their truck with newer cleaner models. The use of an ALPR system would require the development of a policy to ensure any data collected using an ALPR system protects the privacy of the registered truck owners.<sup>20</sup>

South Coast AQMD is actively looking into the feasibility of utilizing the ALPR system to address this community’s concerns but must first understand any possible issues or limitations.

**Opportunities for Action**

The CSC’s strategy to reduce the community’s exposure to air pollution from trucks is described in the actions below.

<b>Action 1: Reduce Emissions from Illegal Heavy-Duty Truck Idling in the Community</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>• Conduct focused enforcement for idling trucks in high traffic areas with the highest priority for areas near schools and residential. Other areas prioritized by the CSC include locations near distribution centers and high traffic corridors (e.g., on Juana Street and Cabrera Street, on both streets between Fourth Street and Fifth Street, Kingman Street between Tia Juana Street and Mt. Vernon Avenue, etc.)</li> <li>• Collaborate with the CSC to inform community members on how to report idling trucks</li> <li>• Provide community outreach on existing complaints/response systems on reporting idling trucks. If existing complaint/response system is determined to be ineffective, assess where improvements are feasible for the existing complaint/response system and improve, as needed.</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Enforcement</li> <li>• Collaboration</li> <li>• Public Information and Outreach</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Conduct, at minimum, quarterly idling sweeps and focused inspections for one calendar year, to be evaluated thereafter with community input</li> <li>• Organize two outreach events within the implementation period of this CERP to inform community members how to report idling trucks</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Beginning Fall of 2019, provide quarterly updates to the CSC</li> </ul>	

<ul style="list-style-type: none"> <li>Beginning Fall of 2019, work with CARB’s enforcement team (and CHP) to coordinate, at a minimum, quarterly idling sweeps and focused inspections for a period of one year             <ul style="list-style-type: none"> <li>Based on results of the sweeps, and continued input from CSC members, adjust idling inspections accordingly</li> </ul> </li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Conduct idling sweeps (which may require coordination with local law enforcement)</li> <li>Organize outreach events in collaboration with local entities</li> </ul>
California Air Resources Board (CARB)	Coordinate idling truck inspections with the California Highway Patrol
CSC Members	Work with the South Coast AQMD, and other local entities to disseminate information on how to report idling trucks in the community (e.g., outreach events, flyers)
<b>Additional information:</b>	
<ul style="list-style-type: none"> <li>Requirements for idling trucks: <a href="https://www.arb.ca.gov/enf/diesel.htm">https://www.arb.ca.gov/enf/diesel.htm</a></li> <li>Vehicle pollution complaint lines for CARB and South Coast AQMD:             <ul style="list-style-type: none"> <li>CARB: <a href="https://ww2.arb.ca.gov/our-work/programs/environmental-complaints">https://ww2.arb.ca.gov/our-work/programs/environmental-complaints</a>, and (800) END-SMOG or (800) 363-7664</li> <li>South Coast AQMD: (800) CUT-SMOG or (800) 288-7664</li> </ul> </li> </ul>	

<b>Action 2: Reduce Emissions from Heavy-Duty Trucks Transiting the Community</b>
<b>Course of Action:</b>
<ul style="list-style-type: none"> <li>Work with the City or the County to identify opportunities to develop enforceable truck routes and establish designated truck parking areas</li> <li>Collaborate with local businesses, agencies, and organizations to conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs</li> <li>Identify South Coast AQMD and other additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks</li> <li>Continue to support the accelerated adoption and prioritization of zero-emission technology based on feasibility, availability, and cost-effectiveness</li> <li>Target incentive funds for local small businesses and independent owner/operator (e.g., Voucher Incentive Program)</li> </ul>

<ul style="list-style-type: none"> <li>• Continue to develop Facility Based Mobile Source Measures - Indirect Source Rules (see Warehouses and Railyards)</li> <li>• Provide training on complaint reporting for trucks transiting the community</li> <li>• Participate in CARB’s rule development as an advocate for the community for future amendments to their truck regulations</li> <li>• Conduct focused enforcement of CARB’s Drayage Truck Rule and Truck and Bus Rule</li> </ul>
<p><b>Strategies:</b></p> <ul style="list-style-type: none"> <li>• Incentives</li> <li>• Public Information and Outreach</li> <li>• Collaboration</li> <li>• Rules and Regulations</li> <li>• Enforcement</li> </ul>
<p><b>Goals:</b></p> <ul style="list-style-type: none"> <li>• Organize one incentive outreach event (e.g., incentive fair, workshop) per year during the implementation period of this CERP, to be evaluated thereafter with community input</li> <li>• Provide biannual updates on incentive outreach events, CARB’s and South Coast AQMD’s rule development for truck regulations, and seek community input on progress</li> <li>• Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target</li> <li>• Coordinate with CARB staff on using community priorities to focus future enforcement efforts</li> </ul>
<p><b>Estimated Timeline:</b></p> <ul style="list-style-type: none"> <li>• 2020, begin working with the City or the County to identify opportunities to develop enforceable truck routes and establish designated truck parking areas</li> <li>• First quarter 2020, begin collaborating with local businesses, agencies, and organizations to conduct outreach to truck owners and operators in this community to provide information about community ordinances, restricted truck routes, trucking regulations, and available incentive programs</li> <li>• Continue to identify other additional incentive funding opportunities to accelerate adoption of cleaner equipment and trucks</li> <li>• 2020, when incentive programs are available, conduct incentive outreach events and provide quarterly or biannual updates to the CSC</li> <li>• Continue to develop Facility Based Mobile Source Measures - Indirect Source Rules (see Warehouses and Railyards)</li> <li>• Continue to provide training on complaint reporting for trucks transiting the community</li> <li>• 2024-2030, CARB’s New Regulations phase in</li> </ul>

<ul style="list-style-type: none"> <li>Beginning January 2020, based on findings from idling sweeps, the CSC identified community priorities, and additional community observations/input from CSC meetings, CARB will adjust enforcement in the community to address the identified concerns and report back to the CSC biannually for future adjustments</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>Provide targeted outreach for truck incentive programs in this community</li> <li>Provide updates to the CSC about applications that are submitted for truck incentives that could reduce emissions in the community</li> <li>Provide training to community leaders or organizations that provide application assistance for incentive programs</li> <li>Continue development of Facility Based Mobile Source Measures – Indirect Source Rules</li> <li>Provide training for effectively reporting complaints about heavy-duty trucks with excessive exhaust emissions</li> </ul>
CARB	<ul style="list-style-type: none"> <li>Continue rule development for amendments to regulations affecting trucks</li> <li>Conduct focused enforcement of existing Drayage Truck and Truck and Bus Regulations</li> <li>Provide training for effectively reporting complaints about heavy-duty trucks with excessive exhaust emissions</li> </ul>
County of San Bernardino	<ul style="list-style-type: none"> <li>Work with South Coast AQMD to provide the community with information about local truck routes, air pollution requirements for trucks, and incentives for cleaner trucks</li> <li>Conduct outreach to local law enforcement about opportunities to enforce truck routes and reduce illegal heavy-duty truck idling</li> </ul>
CSC Members (including businesses, community organizations, and agencies)	<ul style="list-style-type: none"> <li>Work with South Coast AQMD to conduct outreach to truck owners and operators</li> <li>Provide application assistance to potential applicants for incentive programs. Seek funding support to provide this service, (e.g., through CARB Community Air Grants).</li> <li>Participate in CARB and South Coast AQMD rulemaking efforts (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for regulations pertaining to trucks</li> </ul>
Additional information:	

- CARB Drayage Truck Regulation: [www.arb.ca.gov/drayagetruck](http://www.arb.ca.gov/drayagetruck)
- CARB Community Air Grants: <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants>
- CARB Truck and Bus Regulation: <https://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>
- Restricted truck routes in the general plans for this community:
  - City of San Bernardino: <http://www.ci.san-bernardino.ca.us/pdf/DevSvc/General%20Plan%20Document.pdf>
  - San Bernardino County: <http://www.sbcounty.gov/Uploads/lus/GeneralPlan/FINALGP.pdf>
  - Countywide Plan: [http://countywideplan.com/wp-content/uploads/2019/05/CWP\\_PolicyPlan\\_PubReviewDraft\\_20190515.pdf](http://countywideplan.com/wp-content/uploads/2019/05/CWP_PolicyPlan_PubReviewDraft_20190515.pdf)
  - Community of Muscoy: [http://countywideplan.com/wp-content/uploads/2019/05/01\\_Muscoy\\_CAG\\_2019.pdf](http://countywideplan.com/wp-content/uploads/2019/05/01_Muscoy_CAG_2019.pdf)
- Vehicle pollution complaint lines for CARB and South Coast AQMD:
  - CARB: <https://ww2.arb.ca.gov/our-work/programs/environmental-complaints>, and (800) END-SMOG or (800) 363-7664
  - South Coast AQMD: (800) CUT-SMOG or (800) 288-7664

### Action 3: Utilize Existing Traffic Information and New Technology to Identify Older Trucks for Incentive Programs

#### Course of Action:

- Gather existing traffic information from local authorities and other available databases, implement new technology (e.g., ALPR) to collect useful data on truck traffic, and assess the potential impact of truck emissions near schools and residences
- Explore the possibility of using ALPR system along with DMV data to identify trucks that frequently travel through the community that may be older and more polluting than newer trucks, and contact the owner to provide information about incentive funding programs for truck replacement

#### Strategies:

- Monitoring
- Incentives
- Public Information and Outreach
- Collaboration

#### Goals:

<ul style="list-style-type: none"> <li>• Explore the possibility of using ALPR systems in this community and prioritize locations for deployment based on community input</li> <li>• Once ALPR systems have been deployed, work with City and County to provide information about the overall results</li> <li>• Provide quarterly or biannual updates to the CSC on progress made to collect and use data from these systems</li> <li>• Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• 2020, work with CARB and community to prioritize locations for these systems</li> <li>• 2021, begin implementation of ALPR systems at priority community locations, compile data and provide quarterly or biannual updates to the CSC</li> <li>• Once data is available, review data obtained and begin targeted outreach to owners with older dirtier trucks and dirty trucks that frequently travel through this community to provide information on incentive programs</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Work with CSC to explore the feasibility of using ALPR systems and prioritize locations for implementation. Once data are received, provide incentives and targeted outreach to truck owners for incentive programs in this community</li> <li>• Provide updates to the CSC on implementation of the ALPR system</li> </ul>
CARB	Continue testing of ALPR systems to improve accuracy. Provide technical assistance to South Coast AQMD to implement these systems
City of San Bernardino and County of San Bernardino (Muscoy)	Work with South Coast AQMD to obtain necessary approvals to install cameras for ALPR systems
CSC members	Work with South Coast AQMD and CARB to prioritize locations for the ALPR systems
<b>Additional information:</b>	
<ul style="list-style-type: none"> <li>• CARB's ALPR system:             <ul style="list-style-type: none"> <li>-Presentation: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf</a></li> <li>-CARB's ALPR Privacy and Usage Policy: <a href="https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf">https://www.arb.ca.gov/enf/arb_alpr_privacy_usage_policy_050317.pdf</a></li> <li>-Facebook Live presentation: <a href="https://www.facebook.com/southcoastaqmd/videos/1248687388632139/">https://www.facebook.com/southcoastaqmd/videos/1248687388632139/</a></li> </ul> </li> </ul>	

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# CHAPTER 5C:

## WAREHOUSE ON-SITE EMISSIONS

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### Community Air Quality Priority – Warehouse Development Standards and Indirect Source Rules

Air pollution from warehouse operations is an air quality priority for the San Bernardino, Muscoy community as identified by the CSC. To address this source, the CSC identified potential ways to reduce emissions and the residents' exposure to emissions from warehouse operations. For example, the CSC prioritized land use development standards for warehouses that could establish buffers and orient warehouse loading docks away from residences. Development standards for warehouses could reduce the community's exposure to harmful air pollutants from heavy-duty diesel trucks that operate at warehouse facilities. Additionally, the CSC prioritized the pursuit of indirect source rules that would require emission reductions from warehouse operations.

### Ongoing Efforts

A number of ongoing efforts led by the Ports, South Coast AQMD, CARB and the U.S. EPA are designed to reduce emissions from heavy-duty diesel trucks. These trucks serve warehouses throughout the South Coast Air Basin, therefore, emissions reduced from these efforts will also benefit air quality in the San Bernardino, Muscoy community.

Several requirements from CARB are modernizing the trucking industry and are reducing truck-related air pollution by phasing out the oldest, dirtiest diesel trucks. The primary regulation from CARB is the Truck and Bus Rule which requires that nearly all trucks in California must be no older than a 2010 engine model year by 2023.<sup>4</sup> New trucks built in 2010 and later are required to control particulate matter and also nitrogen oxides. Also, many new requirements are being considered that would further reduce emissions from trucks (see Table 5c-1: Upcoming U.S. EPA, CARB, and Ports Actions).

South Coast AQMD administers funding for truck owners and operators to replace older polluting trucks with ones that are cleaner than required, including smaller zero emission trucks that are commercially available.<sup>5</sup> In addition to providing incentive funds for heavy duty trucks that reduce NOx emissions by at least 90% (near-zero emission trucks (NZE)), South Coast AQMD also funds development and demonstration projects to help develop and commercialize zero-emission technologies for heavy-duty Class 7-8 trucks (e.g., battery electric, fuel cell). These projects are in the design and demonstration phase. South Coast AQMD staff is currently developing strategies to reduce emissions from warehouse operations though requirements for indirect sources (e.g., emissions from trucks that serve warehouse facilities). Additionally, South Coast AQMD will develop a series of surveys to identify which warehouse(s) may have the highest air quality impact on nearby residents. This includes mobile measurements near the identified warehouses and in nearby residential areas. These type of measurements could also be used to inform approaches to reduce air quality impacts from warehouses.

In May 2019 San Bernardino County released the Draft Muscoy Community Action Guide for public review. The Community Action Guide is a framework to create the future character and

independent identity of the community through the completion of community actions. The guide is strategic in nature and provides focus and action statements from the community that led to creation of an action plan that can be implemented at the grass-roots level within the community.

CARB is also developing a Freight Facilities Handbook that identifies practices for siting, design, construction and operation of freight facilities.<sup>6, ii</sup> CARB staff anticipate holding public workshops on the Freight Facilities Handbook in 2019.

In May 2018 the Public Utilities Commission approved \$343 million for Southern California Edison (SCE) to install infrastructure to support medium- and heavy-duty electric vehicles.<sup>7, iii</sup> This decision requires SCE to install infrastructure for 870 electrical charging sites in the next five years, supporting about 8,500 vehicles and equipment. A minimum of 40% of SCE’s budget for this program must be spent in disadvantaged communities, and also a minimum of 25% of the budget must serve vehicles operating at ports and warehouses. SCE is implementing this decision through its recently launched Charge Ready Transport program.<sup>8</sup> South Coast AQMD is closely coordinating with SCE to deploy infrastructure for commercially available electric school buses and electric truck demonstration projects.

### Opportunities for Action

In addition to the ongoing efforts described in this chapter, the CSC identified specific actions to address community priorities related to warehouses. The actions are described below.

## Action 1: Conduct Outreach to Local Governments to Encourage Avoidance of Air Quality Impacts from New Warehouse Development

### Course of Action:

- Work with the City of San Bernardino and San Bernardino County staff to discuss and enhance land use policies (e.g., development standards) that reduce residents’ exposure to emissions from old diesel trucks visiting warehouse facilities. The outreach would focus on ways to reduce local air quality impacts from the development of warehouse facilities, such as:
  - Buffer zones between warehouses and sensitive land uses (e.g., residences);
  - Warehouse design (e.g., orientation of loading docks)
  - Truck routes and truck parking (e.g., keep trucks away from sensitive land uses)
  - Green infrastructure (e.g., electric charging and solar power)
  - Community outreach (e.g., signage that discourages unnecessary idling)
  - Development of Air Quality Mitigation/Community Benefit Funds

### Strategies:

<sup>ii</sup> A summary of this action is available on page 11:

[https://www.arb.ca.gov/gmp/sfti/revised\\_freight\\_facility\\_concepts\\_advance\\_materials\\_03142018.pdf](https://www.arb.ca.gov/gmp/sfti/revised_freight_facility_concepts_advance_materials_03142018.pdf)

<sup>iii</sup> A summary of the decision from California Public Utilities Commission may be found here:

<http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442457607>

<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Public Information and Outreach</li> <li>• Exposure Reduction</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Provide technical input to local land use agencies on reducing air quality impacts from warehouse land uses, (e.g., during general plan and community plan updates)</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Second quarter 2020, begin consulting with the City of San Bernardino and San Bernardino County planning staff, industry, and community members on developing and implementing standard approaches for new warehouse development</li> <li>• First quarter 2021, provide biannual status updates to the CSC on work with the City of San Bernardino and San Bernardino County planning staff on implementing standard approaches for warehouse development</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	South Coast AQMD staff will work with local governments and stakeholders to identify and promote standard approaches for warehouse development
City of San Bernardino	Work with South Coast AQMD on developing standard approaches for warehouse development that reduce local air quality impacts
County of San Bernardino	Work with South Coast AQMD on developing standard approaches for warehouse development that reduce local air quality impacts
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• San Bernardino County's Draft Muscoy Community Action Guide (available for public review): <a href="http://countywideplan.com/muscoy/draft/">http://countywideplan.com/muscoy/draft/</a></li> <li>• San Bernardino County's General Plan update (available for public review): <a href="http://countywideplan.com/">http://countywideplan.com/</a></li> <li>• City of San Bernardino General Plan: <a href="http://www.sbcity.org/cityhall/community_development/planning/planning_documents.asp">http://www.sbcity.org/cityhall/community_development/planning/planning_documents.asp</a></li> </ul>	

## Action 2: Develop Proposed Indirect Source Rule for Warehouses

### Course of Action:

- Continue developing proposed Indirect Source Rule (ISR) for warehouses

### Strategies:

<ul style="list-style-type: none"> <li>• Regulation</li> <li>• Public Information and Outreach</li> <li>• Collaboration</li> <li>• Exposure reduction</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Provide quarterly updates to CSC on rule development for warehouses</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Fall 2019, hold a meeting in the Inland Empire to discuss proposed ISR for warehouses</li> <li>• Late 2019/early 2020, bring proposed ISR for warehouses to South Coast AQMD Governing Board for consideration</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Continue development of ISR for warehouses</li> <li>• Conduct outreach to CSC for ISR working groups, workshops, meetings, and other opportunities to provide rule feedback</li> </ul>
CSC Members	<ul style="list-style-type: none"> <li>• Participate in South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for ISR for warehouses</li> </ul>
<b>Additional Information:</b>	
Warehouse ISR rule development: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/warehs-distr-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/warehs-distr-wkng-grp</a>	

### Action 3: Promote Installation of Infrastructure Needed to Support Zero-Emission Vehicles and Equipment

#### Course of Action:

- Collaborate with local governments and utilities to promote the installation of fueling infrastructure needed to support zero-emission trucks/vehicles, transport refrigeration units and cargo handling equipment. Specific efforts will include:
  - Sharing information with Southern California Edison (SCE) and other applicable entities when applicants are awarded funds from South Coast AQMD for zero-emission vehicles to identify likely partners for infrastructure projects
  - Working with SCE and other entities to identify potential partners and prioritize funding for zero-emissions infrastructure within the San Bernardino, Muscoy community

<ul style="list-style-type: none"> <li>- Prioritizing zero-emission technology, when commercially available or technologically feasible</li> <li>- Working with local governments and utilities to develop design standards for medium- and heavy-duty vehicle/equipment electrical infrastructure for new warehouse projects</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• South Coast AQMD and SCE will provide outreach to all 43 existing warehouses within the San Bernardino, Muscoy community to encourage installation of infrastructure needed to support zero-emission vehicles and equipment</li> <li>• Provide outreach to any new/planned future sites (and project partners) and determine feasibility to install zero-emission electric infrastructure, serving potential zero-emission vehicles and/or equipment in the San Bernardino, Muscoy community. South Coast AQMD and SCE will track adoption of zero-emission infrastructure and provide updates to the CSC</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• December 2020, development of preliminary design standards for electrical infrastructure for new warehouse projects that local governments can use</li> <li>• July 2021, begin identifying potential sites for installation of electrical infrastructure</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	Work with SCE and project partners to plan for increased zero-emission vehicle infrastructure
Southern California Edison and other fueling providers	Work with South Coast AQMD, local agencies, and site owners/operators to identify potential sites for installation of zero-emission vehicle electric infrastructure
<b>Additional Information:</b>	
SCE Charge Ready Transport: <a href="https://www.sce.com/business/electric-cars/charge-ready-transport">https://www.sce.com/business/electric-cars/charge-ready-transport</a>	

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  7. California Public Utilities Commission, Summary of Decision on Transportation Electrification Program Proposals from the Investor-Owned Utilities, <http://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442457607>, Accessed June 2019.
  8. Southern California Edison, Charge Ready Transport Program, <https://www.sce.com/business/electric-cars/charge-ready-transport>, Accessed June 2019.

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# CHAPTER 5D:

## OMNITRANS BUS YARD

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## Omnitrans Bus Yard

### Background

Omnitrans<sup>1</sup> is a public transit agency established in 1976 that serves the San Bernardino Valley. Omnitrans operates local and express bus routes, including bus transit (sbx), shuttle (OmniGo), and a wheelchair-accessible service for people with disabilities (Access).<sup>2</sup> Omnitrans carries approximately 11 million passengers each year throughout its 480 square mile service area, covering 15 cities and portions of the unincorporated areas of San Bernardino County, and employs almost 700 people at its two operating and maintenance facilities, including one in San Bernardino and one in Montclair. An Omnitrans bus yard is located at 1700 W. 5<sup>th</sup> Street, San Bernardino (Figure 5-1). The bus yard is used to park, service and refuel 121 buses on a daily basis. The buses operate on pipeline compressed natural gas (CNG). CNG is odorless; however, Mercaptan is added to CNG as a leak-detection safety feature. People can smell Mercaptan, which contains sulfur, at very low levels.

Figure 5-1: Location of Omnitrans Bus Yard



### Community Air Quality Priority – Odors and Zero-Emission Buses

Odors detected by residents near the Omnitrans bus yard are a priority for the CSC. The CSC recommends that the South Coast AQMD work with Omnitrans to determine if the bus yard is a source of odor emissions detected by the community. Additionally, the CSC prioritized zero-emission buses (e.g., electric buses) to improve the air quality in the San Bernardino, Muscoy community.

### Ongoing Efforts

CARB’s Innovative Clean Transit Regulation<sup>3</sup> is a statewide effort to transition public transit agencies to 100% zero-emission bus fleets by 2040.<sup>4</sup> To address this, Omnitrans expects to replace the total fleet with zero-emission buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040). Recent efforts by Omnitrans to transition to cleaner buses even earlier includes applying for grant funding through the Low or No Emission Grant Program.<sup>5</sup> As a collaborative effort, the South Coast AQMD provided a letter of support for Omnitrans’s proposal.

Omnitrans is subject to South Coast AQMD Rule 1192 - Clean On-Road Transit Buses. Rule 1192 requires public transit fleets with 15 or more transit vehicles or urban buses to acquire alternative fuel heavy-duty vehicles when buying or leasing public transit vehicles.<sup>6</sup> Also, equipment, such as gasoline dispensing devices, emergency engines and paint spray booths that are operated at the bus yard are subject to certain South Coast AQMD rules (e.g., Rule 461 – Gasoline Transfer and Dispensing). South Coast AQMD enforcement staff conducts unannounced inspections at the facility to determine compliance with these rules.

### Identifying Opportunities for Action

The CSC identified actions to reduce emissions from Omnitrans’ operations. The details of these actions are described below.

<b>Action 1: Conduct Air Monitoring to Identify the Composition and Level of Emissions Near the Omnitrans Bus Yard</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>• Air monitoring near the Omnitrans Bus Yard</li> <li>• Based on emissions information collected (i.e., from air monitoring, site visits, facility inspections, etc.) identify potential sources of emissions</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Monitoring</li> <li>• Collaboration</li> <li>• Public Information and Outreach</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Conduct monitoring near Omnitrans to identify potential sources of emissions</li> <li>• Provide quarterly or biannual updates to the CSC on air monitoring data results and information collected</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Third quarter 2019, begin mobile air monitoring</li> <li>• First quarter of 2020, begin quarterly updates to the CSC</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>

South Coast AQMD	<ul style="list-style-type: none"> <li>• Conduct air monitoring near the Omnitrans bus yard and in the surrounding community, and gather information through facility inspections and outreach</li> <li>• Provide the updates to the CSC</li> </ul>
<b>Additional Information:</b>	
San Bernardino, Muscoy Community Air Monitoring Plan: <a href="https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf">https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf</a>	

<b>Action 2: Support Omnitrans' Transition to Zero-Emission Buses</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>• Support Omnitrans' efforts to accelerate the deployment of zero-emission buses and supporting infrastructure (e.g., letters of support)</li> <li>• Provide Omnitrans with information on incentive opportunities for zero-emission buses and supporting infrastructure</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> </ul>	
<b>Goal:</b>	
<ul style="list-style-type: none"> <li>• Develop proposals and apply for grant opportunities that are designed to accelerate the deployment of zero-emission buses and electric vehicle chargers, in collaboration with Omnitrans</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• Replace the total fleet with electric buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040)</li> <li>• Provide annual updates to the CSC on work with Omnitrans to transition to zero-emission buses</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Provide Omnitrans letters of support for grant applications that accelerate the deployment of zero-emission buses</li> <li>• Provide information to Omnitrans for opportunities to seek zero-emission buses and electric vehicle chargers</li> </ul>
Omnitrans	<ul style="list-style-type: none"> <li>• Submit application materials for grants or funding towards zero-emission buses and electric vehicle chargers (e.g., the Low or No-Emission Grant Program)</li> <li>• Continue ongoing efforts to transition to a 100% zero-emission fleet by 2040 or earlier</li> </ul>
<b>Additional Information:</b>	

- Omnitrans: <http://www.Omnitrans.org/about/>
- Low or No-Emission Grant Program:  
<https://www.transit.dot.gov/funding/applying/notices-funding/low-or-no-emission-low-no-program-fy-2019-notice-funding>

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# CHAPTER 5E:

## RAILYARDS

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## Railyards (On-site Emissions)

### Background

Railyards are used to store, sort, or load and unload railroad cars. Common loads include containers (stacked or on trailers), tankers with chemical or petroleum products, and bulk products such as construction materials or grain. Containers can be transported to and from warehouses for storage and sorting before reaching their final destination. Regional rail volumes are projected to more than double between 2012-2040 in response to growing international trade,<sup>1</sup> however the potential amount of growth at railyards such as the BNSF San Bernardino railyard is unknown.

BNSF Railway Company (BNSF) operates many railyards<sup>2</sup> throughout California. The San Bernardino BNSF Railyard is located next to residential areas within the San Bernardino, Muscoy community and has been identified as a major air quality concern (Figure 5e-1).<sup>3</sup> The BNSF San Bernardino Railyard is located at 1535 West 4th Street in San Bernardino, and encompasses about 168 acres. Most of the railyard is located in a commercial and manufacturing area. However, several residential areas are next to the facility on the north and west sides, with some homes within 200 feet of the fenceline. The facility operates 24 hours a day, 365 days a year.<sup>4</sup>

### Community Air Quality Priority – Emissions from Railyards

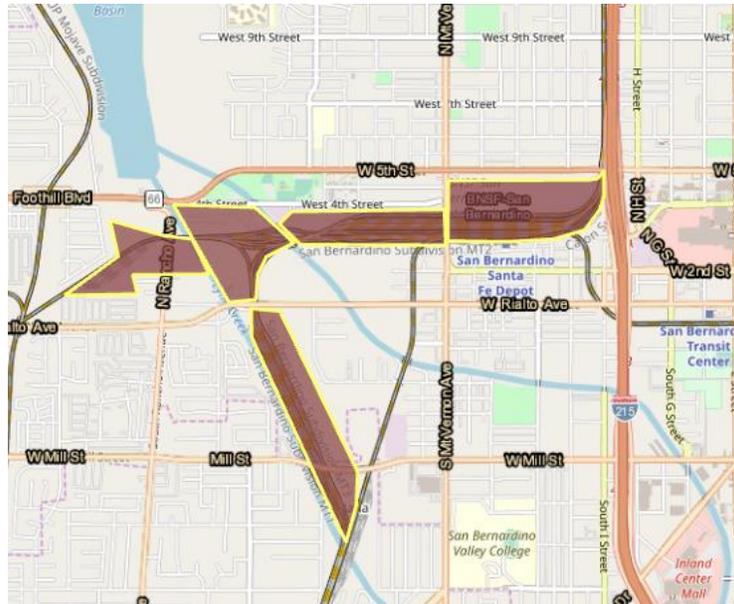
Air pollution is generated by equipment and vehicles that are used for railyard operations. These vehicles and equipment move containers and railcars into and around the railyard to load, unload, and transport goods in and out of the railyard. Emissions can also be generated during maintenance activities (e.g., track maintenance). Examples of equipment used for railyard operations include:

- Locomotives (including ‘switchers’ that build and deconstruct trains, often within railyards, and larger ‘line-haul’ locomotives that pull trains hundreds of miles between railyards)
- Drayage trucks (i.e., on-road tractors that pull trailers loaded with containers, often from the ports)
- Cargo handling equipment (e.g., gantry cranes, top picks, and off-road yard trucks)
- Transportation Refrigeration Units (e.g., truck refrigeration units and refrigerated railcars), and
- Miscellaneous equipment (e.g., fuel trucks)

The CSC prioritized addressing air pollution from the BNSF railyards in the CERP. Specifically, the CSC expressed concerns about diesel emissions from trains and other diesel equipment at the San Bernardino BNSF railyard. The CSC also cited health studies conducted in the nearby community as part of their reasoning for prioritizing this issue.<sup>5,6</sup> Potential opportunities to reduce emissions from diesel equipment used at railyards, include replacing older equipment

with newer, less polluting equipment (e.g., replacing diesel-fueled yard trucks with electric yard trucks), and ensuring that the replacement or re-power of equipment is based on the cleanest technology available.

Figure 5e-1. The BNSF Railyard within the San Bernardino, Muscoy Community



### Ongoing Efforts

A short summary is provided below of the key regulations and programs that are in place or are being developed at the national, state, and local level to address emissions from railyards.

#### *Federal Actions*

Railroads operations are regulated at the federal level primarily by the Federal Railroad Administration and the Surface Transportation Board, and locomotive emissions are regulated by the U.S. EPA. These agencies' regulatory authority may preempt certain federal, state, and local regulatory authorities and actions. However, the U.S. EPA has used its authority under the Clean Air Act to require new diesel locomotives to be built to meet the cleanest emission standard (also known as Tier 4).<sup>7</sup> This requirement also applies to certain locomotives that are remanufactured.<sup>i</sup> These regulations require the installation of devices that reduce idling on newly manufactured<sup>ii,8</sup> and remanufactured locomotives<sup>9</sup> and mandate the use of ultra-low sulfur diesel fuel.<sup>10</sup> However, these regulations do not require railroads to reduce their usage of existing older, higher-emitting locomotives. Locomotives must meet federal emissions standards when they are remanufactured, and may become cleaner at that time. In 2017, CARB also petitioned

<sup>i</sup> Remanufacturing can include activities like replacing an old engine in a locomotive with a new engine. The useful life of a locomotive is typically at least ten years.

<sup>ii</sup> The U.S. EPA defines newly manufactured as freshly manufactured.

the U.S. EPA to develop a new regulation requiring engine manufacturers to meet a cleaner Tier 5 emission standard for new engines. The CARB petition is under review by the U.S. EPA. Because locomotive engines can last over 30 years, locomotive fleet turnover is slow, so even if the U.S. EPA were to develop a Tier 5 emission standard, it would not result in immediate emission reductions.

#### *State Actions (CARB)*

CARB has two agreements<sup>11, 12</sup> with BNSF to reduce locomotive emissions in and around railyards. An agreement in 1998 required BNSF to meet a fleet average of Tier 2 locomotives in the South Coast Air Basin every year between 2010 and 2030. BNSF has met this commitment every year. The second agreement in 2005 focused on railyards and required: implementation of a locomotive idling-reduction program, maximizing the use of ultra-low sulfur diesel fuel, preparation of health risk assessments, evaluation of measures to further reduce diesel particulate emissions, and an assessment of remote sensing technology to identify high-emitting locomotives. CARB has discussed the potential for two new regulations that would reduce emissions from locomotives, including regulation to reduce idling activity and a regulation to address non-preempted locomotive use in the state through retrofit, replacement and other actions. Also, CARB staff plans to develop amendments to the Cargo Handling Equipment Regulation, Transportation Refrigeration Unit Regulation, and its Drayage Truck Regulation to begin the transition to zero-emission technology starting in 2026.<sup>13</sup>

#### *South Coast AQMD*

South Coast AQMD previously adopted rules<sup>iii</sup> that would have required railroads to reduce idling, conduct recordkeeping, and prepare emissions inventories and health risk assessments for railyards. However, the railroads sued the South Coast AQMD, and the courts determined that the rules cannot currently be enforced as they are preempted by federal law. South Coast AQMD is evaluating potential new strategies to reduce emissions from railyards, including developing a potential regulation affecting railyards called an Indirect Source Rule (ISR), and/or other potential partnering strategies that could reduce emissions. This ISR was initially intended to address regional air pollution, in particular through reducing NOx emissions. The CSC has made it clear that an ISR must also focus on reducing localized impacts from railyards. The railroads have participated in workshops related to Facility Based Mobile Source Measures and will continue to work with District staff and the community.

South Coast AQMD funds projects to help develop technology that can lower emissions from locomotives (e.g., natural gas hybrid, battery electric, and fuel cell). These projects are in the design and demonstration phase and not yet commercially available. Additionally, the South Coast AQMD provides incentives for rail operators that purchase technologies for locomotives and cargo handling equipment that is cleaner than required.

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<sup>iii</sup> Regulation XXXV: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xxxv>

### Identifying Opportunities for Action

South Coast AQMD staff conducted air monitoring near SBM during the Multiple Air Toxics Exposure Study (MATES) in 2013, which identified high levels of black carbon (BC) and ultrafine particulate matter (PM) near the BNSF railyard. The community near this railyard was part of the pilot communities for the South Coast AQMD Clean Communities Plan (CCP), which included significant community engagement activities, and emissions and exposure reduction efforts (e.g., air filtration projects, use of low-VOC paints, and other emission reduction measures). South Coast AQMD also funded the Environmental Railyard Research Impacting Community Health (ENRRICH) study, which consisted of a community health assessment and public health outreach project led by the late Dr. Sam Soret of Loma Linda University.

The South Coast AQMD continues to seek opportunities to reduce air pollution from railyards. The actions below have been identified by the CSC to reduce emissions from railyards.

#### Action 1: Reduce Emissions from Railyards

##### Course of Action(s):

- Pursue strategies to reduce air pollution from railyards through the development of indirect source requirements and other measures, including reducing localized emissions and exposures
- Work with CARB on the development of new requirements to reduce air pollution from railyards
- Work with local utilities and state agencies like the California Energy Commission (CEC) and the Public Utilities Commission (PUC) to encourage the installation of infrastructure needed to fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard
- Continue to support CARB's petition<sup>iv</sup> to the U.S. EPA for new national locomotive emission standards
- Work with the BNSF railyard in the San Bernardino, Muscoy community to replace diesel-fueled equipment with cleaner technologies<sup>v</sup>
- Conduct fence-line and/or mobile monitoring around railyards to identify activities that may cause increased levels of air pollution. Mobile measurements (and fixed monitoring, when appropriate) will extend into the community to assess how railyard related emissions may contribute to the overall air pollution burden in this community

<sup>iv</sup> CARB Locomotive Petition to U.S. EPA (April 2017): <https://ww2.arb.ca.gov/resources/documents/carb-petitions-us-epa-strengthen-locomotive-emission-standards>.

<sup>v</sup> A variety of technology assessments have been conducted to assist in this effort. Examples include: <https://ww2.arb.ca.gov/resources/documents/technology-and-fuels-assessments>; <http://www.cleanairactionplan.org/documents/draft-2018-feasibility-assessment-for-cargo-handling-equipment.pdf/>.

<ul style="list-style-type: none"> <li>• Use emissions inventory and monitoring information to identify opportunities for emission reductions</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Rules and Regulations</li> <li>• Incentives</li> <li>• Collaboration</li> <li>• Monitoring</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Provide biannual updates and engage the CSC on new requirements being developed by CARB and South Coast AQMD</li> <li>• Provide quarterly or annual updates to the CSC on air monitoring results</li> <li>• Replace two line haul and two switcher locomotives at the BNSF railyard through incentive funding programs</li> <li>• Emissions Reduction Target: emissions reduced from this action contribute to the mobile source incentives target</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• 2020, South Coast AQMD to consider new ISR and/or other measures on railyards</li> <li>• Between 2020 and 2022, CARB to consider new regulations and/or other measures: <ul style="list-style-type: none"> <li>-Between 2020 and 2022, for locomotives</li> <li>-By 2020, amendments for zero-emission refrigeration units (TRUs)</li> <li>-By 2022, amendments for zero-emission drayage trucks and cargo handling equipment</li> </ul> </li> <li>• 2020, begin working with local utilities and state agencies such as CEC and PUC to encourage the installation of infrastructure for fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard</li> <li>• Continue to support CARB’s petition to the U.S. EPA for new national locomotive standards</li> <li>• 2020, work with BNSF railyard in the San Bernardino, Muscoy community to replace diesel-fueled equipment with cleaner technologies</li> <li>• Second half of 2019, South Coast AQMD to conduct air monitoring at railyards and nearby communities</li> <li>• When available, use emissions inventory and monitoring information to identify opportunities for emission reductions</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibilities:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Pursue indirect source requirements and other measures for railyards, and improve community access to rule development process by holding a working group meeting in or near this community. Provide updates to the CSC on the development of indirect source requirements for railyards</li> </ul>

	<ul style="list-style-type: none"> <li>• Work with CARB on the development of new requirements to reduce air pollution from railyards. Continue to support CARB’s petition to U.S. EPA for new national locomotive standards</li> <li>• Work with local utilities and state agencies to encourage the installation of infrastructure for fuel/charge zero-emission vehicles and on-site equipment at the BNSF Railyard</li> <li>• Work to allocate incentive funding to replace on-site diesel equipment with the cleanest technologies available</li> <li>• Work with BNSF to provide updates to the CSC on emission reduction progress within the San Bernardino BNSF railyard</li> <li>• Work with CARB to identify opportunities for new incentives in this community</li> <li>• Conduct air monitoring in community areas near the BNSF railyard and provide updates to the CSC</li> </ul>
CSC Members	Participate in CARB and South Coast AQMD rule development process (e.g., attending working group meetings, providing comments on draft rule materials, etc.) for regulations affecting railyards
CARB	<ul style="list-style-type: none"> <li>• Pursue regulations and/or other measures (e.g., incentives) to achieve additional emission reductions at railyards</li> <li>• Prioritize enforcement (e.g., for cargo handling equipment) in this community</li> </ul>
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• Indirect Source Rule for Railyards: <a href="http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp">http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/facility-based-mobile-source-measures/rail-fac-wkng-grp</a><sup>9</sup></li> <li>• Carl Moyer Program: <a href="http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades">http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&amp;parent=vehicle-engine-upgrades</a><sup>14</sup></li> <li>• CARB’s proposed regulations to reduce emissions from locomotives: <a href="https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives">https://ww2.arb.ca.gov/resources/documents/evaluation-and-potential-development-regulations-reduce-emissions-locomotives</a><sup>15</sup></li> <li>• <u>Additional information on CARB’s actions to minimize community health impacts from freight and estimated timelines is available at :</u> <a href="https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf">https://www.arb.ca.gov/board/books/2019/032119/19-3-2pres.pdf</a></li> </ul>	

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# CHAPTER 5F:

## CONCRETE BATCH PLANTS, ASPHALT, AND AGGREGATE PLANTS

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## Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants

### Background

Concrete batch, asphalt batch, and rock and aggregate plants can pose dust and particulate matter (PM<sub>10</sub>) problems due to the type and size of the materials being used for the processes. Hot mix asphalt batch plants may also pose an odor nuisance from the heating of materials. Concrete is a common material used for construction and is manufactured at concrete batch plants, where it is made by combining several ingredients including water, cement, and aggregate (e.g., sand, rock, gravel). The main equipment used at concrete batch plants include mixers, bins/hoppers/silos (to hold or store concrete or aggregate), conveyors, and dust collectors (e.g., baghouses).<sup>1</sup> The ingredients for concrete are introduced into the mixer where they undergo agitation. This process is typically vented into baghouses to prevent dust emissions. Dry-concrete batch plants do not use water, which can create more dust. Wet-concrete batching usually uses aggregate material that has been washed to remove silt and clay. As a result, the material arrives in moist conditions and should not pose a dust problem.

Figure 5f-1: Concrete batch plant



Figure 5f-2: Asphalt being used for paving



A hot mix asphalt batch plant heats, mixes, and combines aggregate and asphalt to create hot mix asphalt. The hot mix asphalt is usually transported by trucks to be used for paving (e.g., roads, roofing). A typical hot mix asphalt batch plant consists of a drum dryer, a screening system, weight boxes for asphalt cement and aggregate, a mixer, and conveying equipment. The moist aggregate is typically transported into the drum dryer to be dried out. This process is typically vented to a baghouse, as dried aggregate is the largest source of dust emissions from asphalt batch plants. Finally, oil is added to the aggregate to create the hot mix asphalt. Smoke is released from the hot oil and the hot mix asphalt and can cause odor nuisances.

Rock and aggregate (gravel) plants supply sand and various-sized aggregates for construction and paving industries. Aggregates are processed by separating out various-sized pieces of gravel

Figure 5f- 3: Aggregate or rock plant



through different sized screens. Oversized aggregates can be crushed into smaller pieces. Dust is created as rocks are crushed and the dry surfaces are exposed, especially as the rocks are more finely crushed.

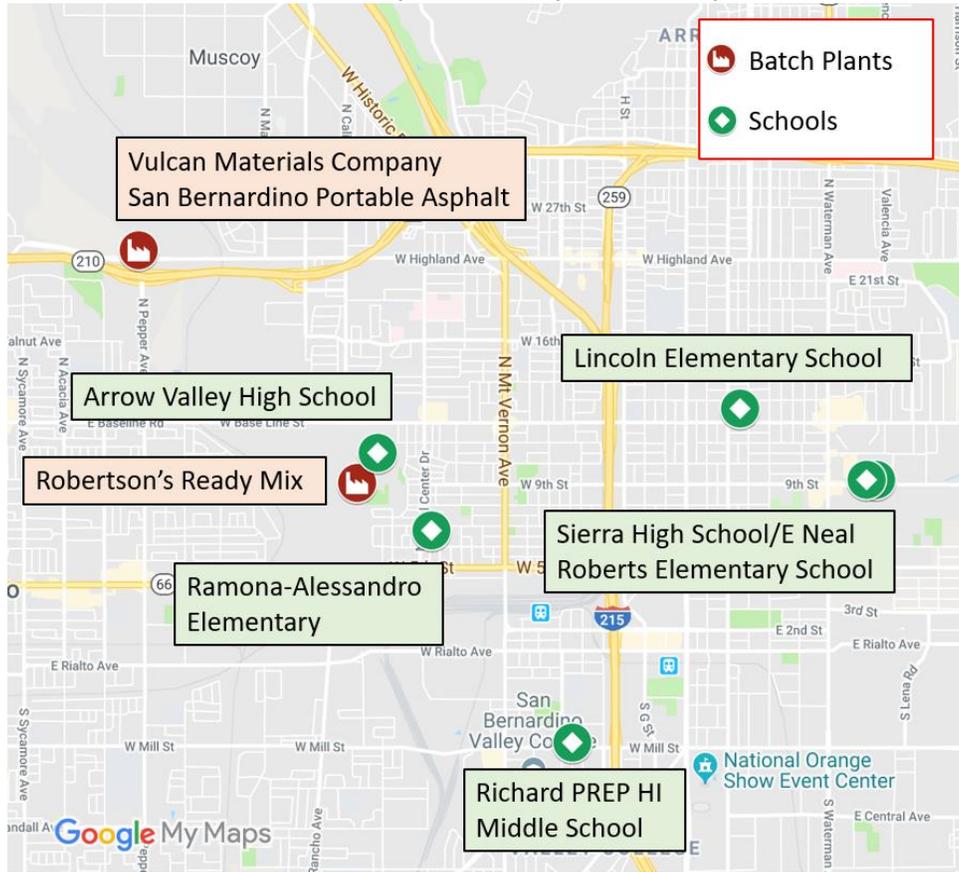
[Community Air Quality Priority – Fugitive Dust, Particulate Matter \(PM10\) Emissions, and Odors](#)

The community of San Bernardino, Muscoy identified fugitive dust, particulate matter, and odors from concrete batch, asphalt batch, and rock aggregate

batch plants as an air quality concern. There are two plants within the community boundary: Robertson’s Ready Mix and Vulcan Materials Company San Bernardino Portable Asphalt. Robertson’s Ready Mix is a concrete batch plant. Vulcan Materials Company San Bernardino Portable Asphalt is an asphalt batch and rock and aggregate plant.

The CSC emphasized addressing fugitive dust and particulate matter emissions from batch plants within close proximity to schools (see Figure 5f-4). For instance, Robertson’s Ready Mix borders Arroyo Valley High School and is one half of a mile from Ramona-Alessandro Elementary School. To reduce exposure to these emissions, the CSC recommended the installation of air filtration systems at schools. More information on the air filtration systems at schools can be found in Chapter 5g.

Figure 5f-4: Map of Concrete Batch and Asphalt Batch and Rock and Aggregate Plants in the San Bernardino, Muscoy Community and Nearby Schools



### Ongoing Efforts

South Coast AQMD has rules to address fugitive dust and PM10 emissions from concrete batch, asphalt batch, and rock and aggregate plants.

Odor nuisances from asphalt batch plants can also be addressed through South Coast AQMD Rule 402 - Nuisance.<sup>2</sup> South Coast AQMD inspectors investigate complaints and a public nuisance violation can be issued if an inspector confirms odors with a considerable number of persons or the public.

South Coast AQMD Rule 403 – Fugitive Dust<sup>3</sup> reduces the amount of particulate matter in the air by requiring actions to prevent, reduce or mitigate fugitive dust emissions. Fugitive dust is any solid particulate matter that becomes airborne, but is not emitted from an exhaust stack. Fugitive dust can result from man-made activities, such as mining operations, agriculture, and construction activities. Some of the requirements to minimize fugitive dust emissions can include washing down vehicle undercarriages or tires, paving surfaces, or limiting the amount of track out.

South Coast AQMD Rule 1155 – Particulate Matter (PM) Control Devices,<sup>4</sup> establishes requirements for air pollution control devices that reduce particulate matter (e.g., baghouses). This rule applies to operators of air pollution control devices venting processes that have direct particulate matter emissions, such as concrete batch plants, asphalt batch plants, and rock and aggregate plants. The requirements may include monitoring, recordkeeping, or operational standards to ensure an air pollution control device is working properly.

South Coast AQMD Rule 1157 - PM10 Emission Reductions from Aggregate and Related Operations,<sup>5</sup> reduces PM10 emissions from all permanent and temporary aggregate and related operations by requiring these operations to comply with certain best practices outlined in the rule (e.g., using dust suppressants).

### Identifying Opportunities for Action

The CSC identified an action to reduce emissions from concrete batch, asphalt batch, and rock and aggregate plants. Details about the action is described below.

<b>Action 1: Reduce Fugitive Dust, Particulate Matter (PM10), and Odors from Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants</b>
<b>Course of Action:</b>
<ul style="list-style-type: none"> <li>• Provide public outreach information for the community on Rules 402, 403, 1155, and 1157 requirements, and South Coast AQMD’s complaint system<sup>6</sup>, which address odors, fugitive dust, and PM10 emissions from aggregate and related operations</li> <li>• Conduct focused air monitoring near the concrete batch, asphalt batch, and rock and aggregate plants to check for elevated any potential levels of emissions</li> <li>• If persistent elevated levels are detected at locations through air monitoring activities, conduct appropriate follow-up investigations (e.g., on site testing or other types of data review)</li> </ul>
<b>Strategies:</b>
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Monitoring</li> <li>• Enforcement</li> </ul>
<b>Goals:</b>
<ul style="list-style-type: none"> <li>• Hold a public outreach event for the first year of the implementation period to explain the requirements of Rules 402, 403, 1155, and 1157, and the South Coast AQMD’s complaint process. If necessary, determine if additional annual outreach events are needed</li> <li>• Provide quarterly or biannual updates to the CSC on enforcement activities</li> <li>• Conduct air monitoring near these two facilities in one year</li> </ul>
<b>Estimated Timeline:</b>

<ul style="list-style-type: none"> <li>• 2020, hold a public outreach event for the first year on requirements for Rules 402, 403, 1155, and 1157, and the South Coast AQMD’s complaint process. Reevaluate annually, if additional annual outreach events are necessary</li> <li>• Fall 2019, begin air monitoring activities</li> <li>• Mid-2020, begin quarterly or biannual updates to the CSC on outreach and enforcement activities, or if new information becomes available</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibilities:
South Coast AQMD	<ul style="list-style-type: none"> <li>• Conduct community outreach on Rules 402, 403, 1155, and 1157, and South Coast AQMD’s complaint system</li> <li>• Conduct monitoring and follow-up with enforcement actions, as needed</li> <li>• Provide updates to CSC</li> </ul>
Additional Information:	
<ul style="list-style-type: none"> <li>• Requirements for Rule 402 (Nuisance): <a href="http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf">http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf</a></li> <li>• Requirements for Rule 403 (Fugitive Dust): <a href="https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf">https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf</a></li> <li>• Requirements for Rule 1155 – Particulate Matter (PM) Control Devices: <a href="http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1155.pdf">http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1155.pdf</a></li> <li>• Requirements for Rule 1157 - PM10 Emission Reductions from Aggregate and Related Operations: <a href="https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1157.pdf">https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1157.pdf</a></li> <li>• Smoke, Dust, and Odor Complaints: <a href="http://www.aqmd.gov/home/air-quality/complaints/smoke-dust-odor">http://www.aqmd.gov/home/air-quality/complaints/smoke-dust-odor</a></li> </ul>	

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# CHAPTER 5G:

EXPOSURE REDUCTION FOR  
SENSITIVE POPULATIONS IN  
SCHOOLS, COMMUNITY CENTERS,  
CHILDCARE CENTERS, AND HOMES

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## Schools, Childcare Centers, Community Centers, and Homes – Exposure Reduction

### Background

The San Bernardino, Muscoy communities identified children’s exposure to harmful air pollutants while at school as a priority with a focus on children in schools, childcare centers, community spaces such as parks and community centers, and homes. A major pollutant of concern in this community is diesel particulate matter (PM), generated by truck traffic, warehouses, and the railyards. The CSC also expressed concern about emissions from concrete batch, asphalt, and aggregate plants and the Omnitrans bus yard. Like many environmental justice communities, the San Bernardino, Muscoy community may experience a disproportionately high level of exposure to harmful pollutants. Children, seniors, and people with certain medical conditions are especially sensitive to the impacts of air pollution. However, proactive steps such as installing high performance air filtration systems in schools and notifying the public when air quality is unhealthy can reduce a child’s exposure to harmful air pollutants.

### Community Air Quality Priority – Reducing Exposures at Schools, Childcare Centers, Community Centers, and Homes

CSC members identified schools, including charter schools, and other places where children spend a lot of time (e.g., childcare centers, parks and community centers) as places where the South Coast AQMD should focus on reducing exposure to harmful air pollutants. The CSC provided examples of air pollution sources, such as the idling of diesel trucks, and dust from cement and asphalt batch plants, that are near schools, parks, and community centers where residents are exposed to harmful air pollutants found in diesel exhaust. The CSC members also shared instances where students and other sensitive populations near sources of air pollution experienced health problems. Table 5-1 is a list of public charter schools that are in the San Bernardino, Muscoy community, as an area to focus emission reduction efforts.

Table 5g-1. Public Charter Schools in the San Bernardino, Muscoy Community

Name of School	
Ballington Academy	PAL Charter
Hardy Brown College Prep	PAL Charter Academy
Options for Youth-I	SOAR Charter Academy
	Woodward Leadership Academy

To address community concerns about the health impacts of air pollution, CSC members prioritized installing school air filtration systems, implementing electric school buses, modifying routes for trucks to avoid schools, childcare centers, and community centers, and community outreach and engagement as ways to reduce exposure to harmful air pollutants. This includes providing information, including proactive steps that can be taken to reduce exposure, to schools, childcare centers, and community centers, when outdoor air pollution levels are unhealthy. The CSC expressed support for implementing an air quality flag program in schools. Other input includes increasing the amount of green space, such as planting trees around the community, specifically around warehouse centers and railyards.

The CSC identified investing in green spaces as a strategy to improve health outcomes. Green spaces may be beneficial to addressing cumulative health impacts within vulnerable communities. They can provide shade, reduce stress, encourage physical activity, and promote overall positive health outcomes.<sup>1</sup>

The CSC asked for the Community Emission Reduction Plan to focus installation of school and residential air filtration systems at locations close to major sources of diesel PM and dust. Specific locations mentioned as priorities included schools near the Omnitrans bus yard, railyards (including BNSF), concrete and asphalt batch plants, and surface quarries. Arroyo Valley High School was cited as one example of a school that experienced fugitive dust problems from a nearby concrete batch plant facility, and air filtration systems were installed in 2012.

### Ongoing Efforts

#### *School Air Filtration Program*

The installation of air filtration systems in schools can reduce exposure to air pollution inside school buildings. There are certain types of air filtration systems (“high efficiency air filters”) that are effective in filtering very small particles from diesel engines and other sources. Small particles can be inhaled deep into the lungs and cause health problems. These filtration systems may be beneficial to schools located near freeways, truck routes, rail yards, concrete and asphalt batch plants and other sources<sup>2</sup> of diesel emissions.

South Coast AQMD has helped to install air filtration systems at schools in the San Bernardino Unified School District since 2012. To date, South Coast AQMD has installed these systems at four schools and one community center within the San Bernardino, Muscoy community. Figure 5-1 shows a map of the schools and community centers that have air filtration systems completed within this community, and Table 5-2 provides a list of these schools and community center.

#### *Environmental Justice Community Partnership (EJCP)<sup>3</sup> Clean Air Ranger Education (CARE)<sup>4</sup>*

The EJCP is designed to build relationships with community members and organizations to achieve clean air and healthy, sustainable communities. The Clean Air Ranger Education (CARE) Pilot Program is a program designed for elementary school education and includes topics on air pollution and health, air quality flags, and zero-emission technologies.

*Why Air Quality Matters (WHAM) High School Education Program*

The South Coast AQMD is implementing Why Air Quality Matters (WHAM), a Science, Technology, Engineering, and Math (STEM) and experiential learning based curriculum, in high schools located within environmental justice communities. WHAM will increase teacher and student awareness on air quality issues in their communities and beyond through activities and experiments, including measuring PM using low-cost hand-held sensors.

*U.S. EPA STAR Grant Program<sup>5</sup>*

The South Coast AQMD Air Quality Sensor Performance Evaluation Center (AQ-SPEC) has engaged a number of schools in the San Bernardino, Muscoy area under the U.S. EPA STAR Grant: “Engage, Educate and Empower California Communities on the Use and Application of ‘Low Cost’ Air Monitoring Sensors”. Under this grant, AQ-SPEC has installed sensors for measuring particulate matter (PM<sub>2.5</sub>), nitrogen oxides (NO<sub>2</sub>) and ozone at two schools within this community: San Bernardino High School and Arroyo Valley High School.

Figure 5g-1: Map of schools and community centers in San Bernardino, Muscoy with air filtration systems installed through the South Coast AQMD program

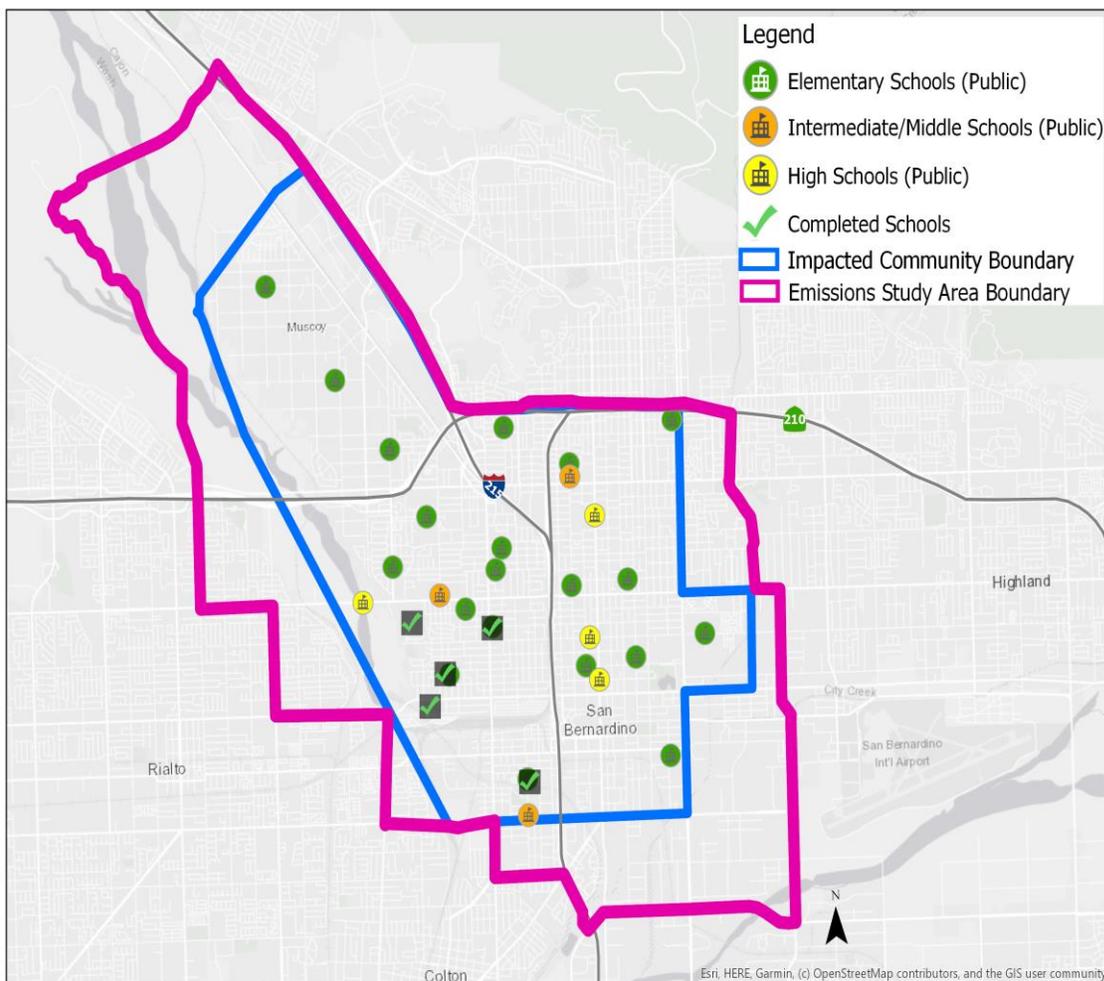


Table 5g-2: List of schools and community centers in San Bernardino, Muscoy with air filtration systems installed through the South Coast AQMD program

Name of School or Community Center	
Arroyo Valley High School	Mt. Vernon Elementary School
Lytle Creek Elementary School	Ramona Alessandro Elementary School
Ruben Campos Community Center	

### Opportunities for Action

CSC members expressed a desire to have residential air filtration systems for homes located near major sources of pollution, such as the BNSF railyard. While the South Coast AQMD does not currently have an active program to provide residential filtration systems<sup>i</sup>, staff will work with its partners to identify potential opportunities for residential filtration systems and share this information with the CSC. In addition to air filtration systems, the CSC prioritized education and outreach as a way to reduce exposure to harmful air pollutants. In addition, in Chapter 5b: Neighborhood Truck Traffic, Action 3, describes actions to provide data on truck traffic and potential emissions near schools and residences, which may be useful to support decision-making for truck routing. CSC members also would like to replace existing school buses with near zero- or zero-emission school buses. Some existing funds for school buses may be limited to replacing buses with public entities. Regardless, South Coast AQMD will continue to partner with entities to identify new or existing programs of funding to replace existing school buses with near zero- or zero-emission school buses, as seen below in Action #5.

### Action 1: Reduce Exposure to Harmful Air Pollutants through Public Outreach

#### Course of Action:

- Provide air quality related programs to schools, including the Clean Air Ranger Education (CARE) program (which includes air quality flags), and Why Air Quality Matters (WHAM) program
- Partner with the San Bernardino County Department of Public Health to provide information on how to receive air quality advisories, and how to reduce exposure to air pollution, particularly for sensitive populations
- Partner with community-based organizations such as Center for Community Action and Environmental Justice (CCA EJ) and/or Arrowhead Regional Medical Center (ARMC) to share information or provide outreach to schools for asthma related programs

<sup>i</sup> The South Coast AQMD will work with CARB’s Indoor Air Quality program and its contractor to identify effectiveness and opportunities for residential filtration and share this information with the CSC.

<ul style="list-style-type: none"> <li>• Partner with Safe Routes to School to provide information on programs such as walkability and active transportation</li> <li>• Work with appropriate parties to negotiate access to conduct school-based air monitoring</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>• Public Information and Outreach</li> <li>• Collaboration</li> <li>• Monitoring</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>• Participate in six public outreach events (e.g., health fairs, community events) during the implementation period of this CERP and provide air quality related information to reduce exposure</li> <li>• Provide 11 childcare centers during the implementation period of this CERP with information relating to air quality effects on young children and reducing exposure, prioritizing centers based on CSC input</li> <li>• Present CARE and WHAM programs in at least two schools during the implantation period of this CERP</li> <li>• Collaborate with community-based organization (e.g., CCAEJ) and co-host outreach meetings</li> <li>• Work with appropriate entities to negotiate access to conduct school-based air monitoring</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>• During the 2019-2020 school year, begin working on providing air quality related programs to schools (e.g., CARE and WHAM program)</li> <li>• Fourth quarter of 2019, begin working with Department of Public Health on developing outreach materials</li> <li>• Early 2020, begin outreach efforts with community-based organizations</li> <li>• Fourth quarter of 2019, begin partnering with Safe Routes Partnership to provide information on programs</li> <li>• Late 2019, begin to conduct school-based air monitoring at or near schools</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>• Implement the CARE program and WHAM program to schools</li> <li>• Partner with community-based organizations and/or local entities on asthma-based programs and air quality notifications that inform the community about proactive steps to reduce exposure to harmful air pollutants</li> <li>• Collaborate with organizations to implement outreach events</li> </ul>

	<ul style="list-style-type: none"> <li>• Work with appropriate entities to negotiate access to conduct school-based air monitoring</li> </ul>
San Bernardino County Department of Public Health	Partner with South Coast AQMD on notifications to schools for air quality advisories
Arrowhead Regional Medical Center (ARMC) and other community-based organizations (with asthma related programs)	Partner with South Coast AQMD to share information and/or provide outreach to schools for asthma-related programs
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>• Arrowhead Regional Medical Center (ARMC)'s BreathMobile program: <a href="https://www.arrowheadmedcenter.org/srvOutBreathMobile.aspx">https://www.arrowheadmedcenter.org/srvOutBreathMobile.aspx</a></li> </ul>	

## Action 2: Reduce Exposure to Harmful Air Pollutants at Schools, Childcare Centers, and Community Centers

### Course of Action:

- Work with appropriate entities to implement the installation of high efficiency air filtration systems by working with the community to prioritize schools, childcare centers, and community centers near truck routes, railyards, and concrete batch plants<sup>ii</sup>
- Work with appropriate agencies toward replacing filters at schools with air filtration systems and installation at schools without these systems

### Strategy:

- Exposure Reduction

### Goal:

- Installation of air filtration systems in schools<sup>iii</sup>, childcare centers, and community centers with priority given to schools located in areas with high diesel PM levels and in close proximity to facilities identified as a priority by the CSC

<sup>ii</sup> Public schools, including charter schools, childcare centers, and public community centers, are eligible for the South Coast AQMD program.

<sup>iii</sup> Some schools or community centers have had air filtration systems previously installed; however, filter replacements may be needed. Replacement filters will continued to be provided to schools that have had air filtration systems installed. The CSC will need to prioritize the air filtration systems at schools and work with local school districts to establish Memorandums of Understanding (MOUs) with the South Coast AQMD.

<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>Mid-2020, work with appropriate agencies to install high efficiency air filtration systems, replacing filters at schools with air filtration systems and installation at schools without these systems during the implementation period of this CERP</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	Implement air filtration systems and replacement filters at schools, childcare centers, and community centers
<b>Additional Information:</b>	
<ul style="list-style-type: none"> <li>Air filtration systems in schools: <a href="https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf">https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf</a></li> </ul>	

<b>Action 3: Reduce Exposure to Harmful Air Pollutants at Homes<sup>iv,v</sup></b>	
<b>Course of Actions:</b>	
<ul style="list-style-type: none"> <li>Identify new or existing technologies, programs, and funding sources that can provide the most effective air filtration systems in homes</li> <li>Seek potential partners or funding opportunities to improve weatherization in the homes to help improve the efficiency of the air filters</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Exposure Reduction</li> <li>Incentives</li> <li>Public Information and Outreach</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>Partner with appropriate entities to determine new or existing programs that can provide home filtration systems</li> <li>If funding or programs become available, share information with CSC</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify any new or existing home air filtration programs</li> </ul>	

<sup>iv</sup> Air filtration systems will generally be less effective in older, pre-2006 homes due to lower energy efficiency typically found in Environmental Justice or disadvantaged communities. Limited research on the efficiency of high performance air filtration systems in older homes suggests a 25% - 30% lower efficiency for PM<sub>2.5</sub> and ultrafine PM is expected, which is comparable to having open doors and windows. Most data collected on efficiency of high performance air filtration systems has been on 2006 and new homes, showing an average removal efficiency of 90% for PM<sub>2.5</sub> and ultrafine PM.

<sup>v</sup> Residential air filtration systems have not been approved by CARB. The South Coast AQMD plans to continue to work with them to establish a protocol where residential air filtration systems can be installed.

<ul style="list-style-type: none"> <li>If opportunities are identified for residential filtration systems, provide updates to the CSC</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide home air filtration resources or home weatherization resources</li> <li>Conduct outreach and share information with CSC members, if this becomes available</li> </ul>
Additional Information:	

<b>Action 4: Increase Green Space in Areas Where People Spend Time</b>	
Course of Action:	
<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for tree planting. If funding or programs become available, share information with CSC members</li> </ul>	
Strategies:	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> <li>Collaboration</li> </ul>	
Goals:	
<ul style="list-style-type: none"> <li>Partner with other entities to determine new or existing sources or programs that can provide funding to coordinate tree planting. If funding or programs become available, share information with CSC members</li> </ul>	
Estimated Timeline:	
<ul style="list-style-type: none"> <li>Mid-2020, consult with CSC members and appropriate stakeholders to identify any existing funding sources for tree planting or increasing green space</li> </ul>	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for tree planting</li> <li>Conduct outreach and share information with CSC , when opportunities are available</li> </ul>
Additional Information:	

<b>Action 5: Replace Older School Buses</b>	
<b>Course of Action:</b>	
<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding for alternative-fueled school buses</li> </ul>	
<b>Strategies:</b>	
<ul style="list-style-type: none"> <li>Public Information and Outreach</li> </ul>	
<b>Goals:</b>	
<ul style="list-style-type: none"> <li>Partner with other entities to determine new or existing sources or programs that can provide funding for near zero or zero-emission school buses</li> </ul>	
<b>Estimated Timeline:</b>	
<ul style="list-style-type: none"> <li>Mid-2020, consult and work with appropriate stakeholders to identify any existing funding sources or programs for replacing school buses with near-zero or zero-emission school buses</li> </ul>	
<b>Implementing Agency, Organization, Business or Other Entity:</b>	
<b>Name:</b>	<b>Responsibility:</b>
South Coast AQMD	<ul style="list-style-type: none"> <li>Identify new or existing sources or programs that can provide funding alternative-fueled school buses</li> <li>Work with appropriate entities to replace existing school buses with near zero or zero-emission school buses</li> <li>Provide updates to CSC, when new or existing sources that can provide funding for alternative-fueled school buses (e.g., electric buses) are available</li> </ul>
<b>Additional Information:</b>	

## References

- The California Healthy Places Index, Tree Canopy, 2019, <https://healthyplacesindex.org/policy-actions/tree-canopy/>, Accessed June 13, 2019.
- Polidori, A., et al. "Pilot Study of High-Performance Air Filtration for Classroom Applications." *Indoor Air*, vol. 23, no. 3, 2012, pp. 185–195., doi:10.1111/ina.12013
- South Coast AQMD, Environmental Justice Community Partnership, <http://www.aqmd.gov/ejcp>, Accessed June 6, 2019.
- South Coast AQMD, Environmental Justice Community Partnership Advisory Council, June 2019, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/2019-ejcp-agenda-june-5.pdf>, Accessed June 6, 2019.
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# CHAPTER 5H:

## IMPLEMENTATION SCHEDULE

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## Implementation Schedule

The Community Steering Committee (CSC) developed a set of priorities and actions to be implemented by government agencies, organizations, businesses, and other entities to reduce air pollution in their community. The implementation period of the actions in this CERP is expected to be approximately five years. The actions will occur during the timeframe of the plan; however, some actions by South Coast AQMD will be ongoing (e.g., certain regulatory, enforcement, and incentive activities). Rules that are adopted or amended will continue to be in effect past the implementation period of the CERP, as will enforcement of rules to ensure applicable facilities are in compliance. Additionally, some actions in the CERP are designed to allow for minor adjustments when new information becomes available. For example, based on initial air monitoring results, the CSC may refine specific strategies to focus on sources that show elevated emissions. Allowing for these types of adjustments will enable the plan to be successfully implemented.

An overview of the schedule for implementing the actions in the CERP is in Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities and Figure 5h-2: Implementation Timeline for Monitoring, Enforcement, Outreach, and Other CERP Actions. Figure 5h-1 covers rule development activities to address air quality priorities in the CERP, and Figure 5h-2 provides a timeline for monitoring, enforcement, incentives, outreach, and other activities.

Figure 5h-1: Implementation Timeline for Rule Development and Implementation Activities

	2019	2020	2021-2022	2024-2030
	<ul style="list-style-type: none"> <li>Consider Warehouse Indirect Source Rule (ISR)</li> </ul>	<ul style="list-style-type: none"> <li>Consider Railyard ISR</li> </ul>	<ul style="list-style-type: none"> <li>Participate in CARB’s rule development applicable to this plan</li> </ul>	
		<ul style="list-style-type: none"> <li>CARB to consider:                             <ul style="list-style-type: none"> <li>– Heavy-Duty Low NOx Rule</li> <li>– Transport Refrigeration Unit RegulationRule</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>CARB to consider:                             <ul style="list-style-type: none"> <li>– Drayage Truck Rule</li> <li>– Zero-Emission Fleet Rule</li> <li>– Cargo Handling Equipment Rule</li> <li>– Potential new locomotive regulations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Phase-in CARB Regulations including:                             <ul style="list-style-type: none"> <li>– Drayage Truck Rule</li> <li>– Advanced Clean Truck Rule</li> <li>– Zero-Emission Fleet Rule</li> <li>– Heavy-Duty Low NOx Rule</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>U.S. EPA to release Draft Clean Truck Initiative</li> </ul>		<ul style="list-style-type: none"> <li>Phase-in U.S. EPA’s Cleaner Truck Initiative</li> </ul>

Figure 5h-2: Implementation Timeline for Monitoring, Enforcement, Outreach, and Other CERP Actions

	2019	2020	2021
Omnitrans Bus Yard	<ul style="list-style-type: none"> <li>Begin mobile air monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Begin quarterly updates to CSC</li> </ul>	<ul style="list-style-type: none"> <li>Replace fleet with electric buses at the following rate: 25% (by 2025), 50% (by 2028), and 100% (by 2040)</li> <li>Provide annual updates to the CSC on Omnitrans' transition to zero-emission buses</li> </ul>
Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants	<ul style="list-style-type: none"> <li>Begin air monitoring activities</li> </ul>	<ul style="list-style-type: none"> <li>Begin to provide periodic updates to the CSC, as needed</li> <li>Hold public outreach event to provide information on South Coast AQMD's rules and complaint process</li> </ul>	
Warehouses	<ul style="list-style-type: none"> <li>Hold a meeting in the Inland Empire to discuss proposed Warehouses ISR</li> <li>Begin mobile air monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Begin to work with appropriate entities to develop standards for new warehouse projects</li> <li>Begin to develop preliminary design standards for electrical infrastructure for new warehouse projects</li> <li>Begin quarterly monitoring updates to CSC, as needed</li> </ul>	<ul style="list-style-type: none"> <li>Provide biannual updates to the CSC on the status of the development of standards for new warehouse projects</li> <li>Identify potential sites for installation of electrical infrastructure</li> </ul>

Figure 5h-2: Implementation Timeline for Monitoring, Enforcement, Outreach, and Other CERP Actions (Continued)

	2019	2020	2021
Trucks	<ul style="list-style-type: none"> <li>• Begin working with CARB on quarterly targeted sweeps and focused inspections</li> <li>• Identify additional funding opportunities to accelerate cleaner technology</li> <li>• Preliminary work on Automated License Plate Reader (ALPR) deployment</li> <li>• Begin mobile monitoring to characterize truck traffic impact in this community and identify hot spots</li> </ul>	<ul style="list-style-type: none"> <li>• Begin to conduct outreach (e.g., incentives, ordinances)</li> <li>• Prioritize locations for ALPR</li> <li>• Begin to identify opportunities to develop enforceable truck routes and designated truck parking areas</li> <li>• Collaborate on outreach</li> <li>• Provide monitoring updates to CSC</li> </ul>	<ul style="list-style-type: none"> <li>• Begin implementation of ALPR systems, including compiling data and using data for targeted outreach for incentives</li> <li>• Provide quarterly or biannual updates on identified locations of concerns and data collected to the CSC</li> </ul>
Railyards	<ul style="list-style-type: none"> <li>• Begin air monitoring activities</li> <li>• Continue to support CARB’s petition to the U.S. EPA for new national locomotive standards</li> </ul>	<ul style="list-style-type: none"> <li>• BNSF to replace diesel-fueled equipment with cleaner technologies</li> <li>• Begin quarterly monitoring updates to CSC, as needed</li> </ul>	<ul style="list-style-type: none"> <li>• Begin working with local utilities and state agencies to encourage the installation of infrastructure at BNSF railyard</li> </ul>
Schools, Childcare Centers, Community Centers, and Homes	<ul style="list-style-type: none"> <li>• Begin school-based air monitoring at or near schools using sensors</li> <li>• Begin working with Department of Public Health on developing outreach materials</li> <li>• Begin partnering with Safe Routes Partnership to provide information on programs</li> </ul>	<ul style="list-style-type: none"> <li>• Begin working on providing air quality related programs to schools (e.g., CARE and Kids Making Sense program)</li> <li>• Begin outreach efforts with community-based organizations</li> <li>• Work with appropriate agencies toward the installation of high efficiency air filtration systems</li> <li>• Identify any new or existing funding sources for tree planting or increasing green space</li> <li>• Begin quarterly monitoring updates to CSC, as needed</li> </ul>	

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# CHAPTER 5I:

## CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ANALYSIS SUMMARY

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## California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) requires agencies to consider the environmental impacts of a proposed project. CEQA describes and imposes specific legal requirements that agencies must follow when evaluating and making decisions about whether a project will cause a significant environmental impact. The information below describes what South Coast AQMD staff has done and determined with respect to this project – the Community Emissions Reduction Plan (CERP). The information below does contain some legal terms because that is the language contained in the law and use of that language is part of how an agency demonstrates compliance with that law. As noted below, South Coast AQMD staff has looked at all aspects of the CERP and has determined that the CERP is exempt from the requirements of CEQA. The paragraphs below identify the exemptions that apply to the CERP. If the South Coast AQMD Board agrees with staff and determines that the CERP is exempt from CEQA, and approves the CERP, a Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside, and San Bernardino counties.

Pursuant to CEQA and South Coast AQMD Rule 110, the South Coast AQMD, as lead agency for the proposed project, has reviewed the proposed project pursuant to: 1) CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. South Coast AQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Common Sense Exemption. Further, the overall purpose of this project is to improve the environment and health of residents of this selected community and all of the action items within the CERP to support this goal. Thus, the proposed project is also categorically exempt from CEQA pursuant to CEQA Guidelines Section 15308 – Actions by Regulatory Agencies for Protection of the Environment.

The CERP contains elements that qualify as feasibility and planning studies, because information needs to be collected to make an informed decision about further action (e.g., rule development). However, the portions of the CERP that qualify as feasibility and planning studies do not prescribe or commit to specific rule requirements, nor have future actions been approved or adopted in advance, because they require an open public process. The regulated community, stakeholders, interested parties, and the public are invited to participate in the rule development process in a public forum. Thus, the portion of the CERP that contains action items which qualify as feasibility or planning studies is statutorily exempt from CEQA pursuant to CEQA Guidelines Section 15262 – Feasibility and Planning Studies.

Additionally, some of the action items in the CERP would require minor physical modifications to existing structures or buildings, such as installing air filters or monitoring equipment, and these action items are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15303 –

New Construction of Conversion of Small Structures. A portion of the action items within the CERP involves the collection or exchange of information or data obtained from inspections and monitoring, which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15306 – Information Collection. Another component of the action items in the CERP also involves inspections that require performance or compliance checks which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15309 – Inspections. Finally, a portion of the action items within the CERP relies on enforcement activities which are categorically exempt from CEQA pursuant to CEQA Guidelines Section 15321 – Enforcement Actions by Regulatory Agencies. South Coast AQMD staff has determined that there is no substantial evidence indicating that any of the exceptions to the categorical exemptions apply to the proposed project pursuant to CEQA Guidelines Section 15300.2 – Exceptions. Therefore, the proposed project is exempt from CEQA. A Notice of Exemption will be prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

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# CHAPTER 6:

## AIR MONITORING SUMMARY

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## Chapter 6: Air Monitoring Summary

Air monitoring will be conducted in the San Bernardino, Muscoy community as part of the AB 617 program. Air monitoring can provide valuable information about sources of air pollution, types of pollutants, and air quality impacts in the community. Information that is collected from air monitoring can be used to implement and track air quality actions prioritized by the community that reduce local residents' exposure to harmful air pollutants.

### Chapter 6 Highlights

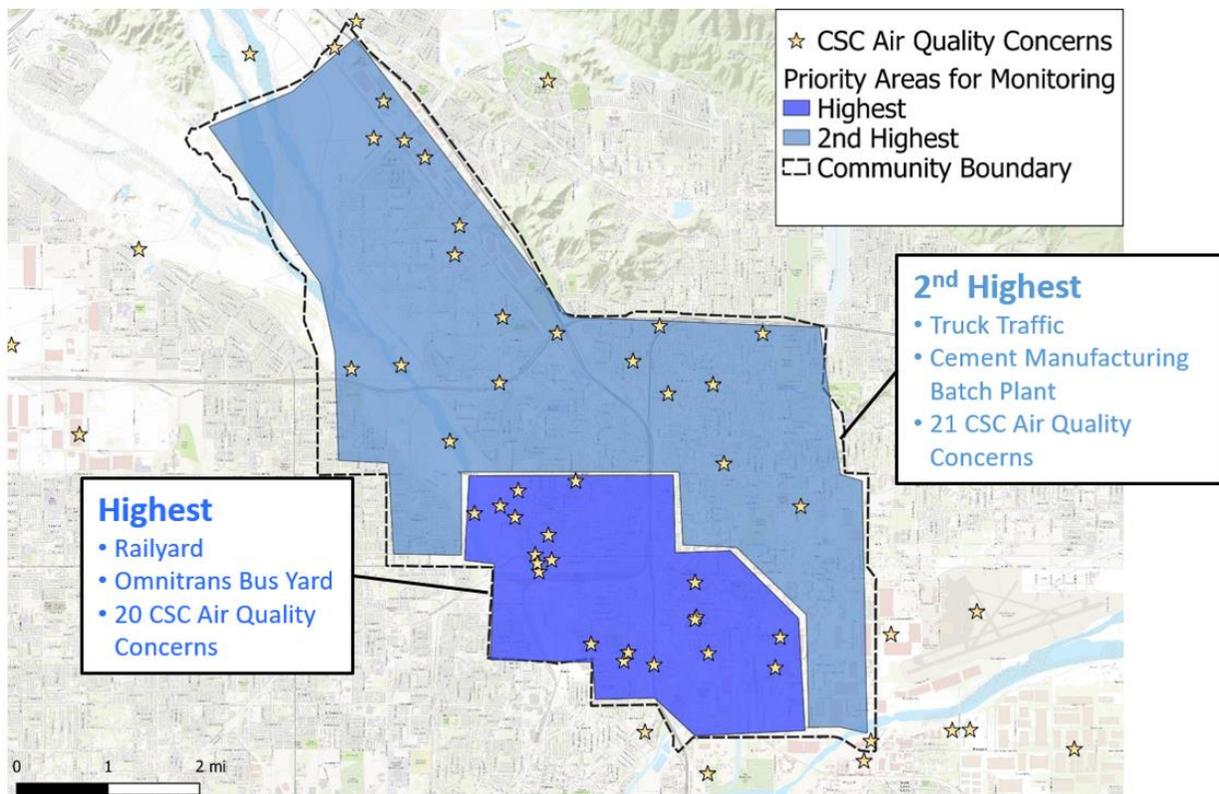
- Will provide new information about air pollution at the community level
- Monitoring will be done in areas of concern identified by the selected communities
- Areas selected for monitoring reflect the air quality priorities in AB 617 communities
- Many types of monitoring equipment will be used, from advanced techniques to low-cost sensors

The Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy community<sup>1</sup> was developed through close collaboration between the CSC and South Coast AQMD staff. The plan outlines the objectives and strategies for monitoring air pollution in the community based on the CSC's air quality priorities identified by the CSC. A detailed description for these priorities is available in the CAMP Appendix B.<sup>2</sup>

The San Bernardino, Muscoy community covers a large geographical area that is affected by a variety of air pollution sources. Consequently, multiple air monitoring methods are necessary to address the community's air quality priorities. These methods include mobile, fixed and low-cost sensor air monitoring. Mobile air monitoring can be conducted using real- or near real-time instruments to allow for wide scale community air pollution mapping, and provide more detailed information about air pollution levels at specific locations at specific times (i.e. higher spatial and temporal resolution). Fixed air monitoring can be strategically placed at specific locations near one or more air pollution sources of interest better characterize emissions in the community and assess residents' exposure to air pollution. Mobile and fixed air monitoring can be further enhanced with information from air quality sensors that provide real- or near-real time air pollution information. A benefit of these sensors compared to other monitoring technologies is that they can be installed in more places in the community thereby providing more detailed real-time air quality information. However, low-cost sensors are not as accurate as traditional monitoring techniques, and only measure a limited number of pollutants.

Figure 6-1 identifies areas where air monitoring will occur within the San Bernardino, Muscoy community. The CSC prioritized these areas based on community air quality concerns and sources of air pollution. The monitoring areas and priorities can change based on the information gathered during monitoring, input from the community, and/or newly available data from different organizations. A discussion regarding air pollutants measurements and technologies that will be deployed in these areas is provided in the CAMP. The air monitoring strategies outlined in the CAMP may be updated based on future community input, air monitoring results, and other information gathered through implementation of AB 617. Updates to air monitoring strategies will be presented to the CSC for input.

Figure 6-1. Proposed Monitoring Areas Prioritized Based on the Relative Density of Air Quality Concerns in the SBM Community



## References

1. AB 617 Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy Community: [http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm\\_camp.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sbm_camp.pdf?sfvrsn=6).

2. AB 617 Appendices for the Community Air Monitoring Plan (CAMP) for the San Bernardino, Muscoy Community: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/appendix-a-and-b-sbm.pdf?sfvrsn=6>.

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# APPENDIX 2:

## COMMUNITY OUTREACH, COMMUNITY STEERING COMMITTEE AND PUBLIC PROCESS

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## Appendix 2

The San Bernardino, Muscoy (SBM) community Outreach Summary includes an overview of the public engagement efforts and the Community Steering Committee (CSC) process that has been integral in the development of the CERP. This Appendix contains additional information on committee documents, meeting materials, and additional community engagement. Many of these materials are posted on this community's webpage:

<http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/san-b>

### CHARTER

A Charter was developed by South Coast AQMD staff with CSC member input to describe committee objectives, roles and responsibilities, meeting frequency, meeting dates, times, and locations, etc. The Charter is available here:

English: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-english.pdf?sfvrsn=8>

Spanish: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/charter-spanish.pdf?sfvrsn=8>

### AGENDAS

All meeting agendas are posted on the community webpage. Copies of the agendas are also attached.

### SIGN-IN SHEETS

At every CSC meeting, members of the CSC and public were requested to sign in. Copies of the sign-in sheets are attached.

### MEETING DATES, TIMES, LOCATION, AND MEETING MATERIALS

Recent and upcoming activities regarding the SBM community, including interactive maps, the discussion draft of the CERP and CAMP, all meeting invitations, presentations, materials and summary notes can be found on community webpage.

Specific links for meeting flyers, presentations, and meeting summaries are listed below:

Meeting Type / CSC Meeting #	Date and Location	Approximate # of Attendees	Meeting Flyer Invitation	Presentation Links	Meeting Summary/Notes Links
<b>Public Workshop Community Kick-Off Meeting</b>	October 9, 2018 at the Ruben Campos Community Center, San Bernardino	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/san-bernardino-kickoff.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/san-bernardino-kickoff.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-san-bernardino.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/wilmington/presentation-san-bernardino.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-san-bernardino-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/presentation-san-bernardino-span.pdf?sfvrsn=8</a>	n/a
<b>1</b>	November 8, 2018 Ruben Campos Community Center, San Bernardino	60	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-nov-8-2018.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-nov-8-2018.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation-span.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-presentation-span.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-b-summary-nov8-2018.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-b-summary-nov8-2018.pdf?sfvrsn=9</a>
<b>2</b>	January 17, 2019 Muscoy PAL Center, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---jan-17-">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---jan-17-</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8</a> Spanish:	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-jan17-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-jan17-2019.pdf?sfvrsn=8</a>

Appendix 2-2

			<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=10">2019.pdf?sfvrsn=10</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-jan17-2019.pdf?sfvrsn=8</a>	
3	February 21, 2019 Muscoy PAL Center, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-feb21-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-presentation-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-presentation-feb21-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-de-la-reunion-feb21-2019.pdf?sfvrsn=9">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-de-la-reunion-feb21-2019.pdf?sfvrsn=9</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-feb21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-feb21-2019.pdf?sfvrsn=8</a>
4	March 21, 2019 San Bernardino Valley College, San Bernardino	80	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/san-bernardino-steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-march21-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-span-march21-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-march21-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-march21-2019.pdf?sfvrsn=8</a>
5	April 18, 2019 PAL Center, San Bernardino	70	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=8</a>

Appendix 2-3

			<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/steering-committee-meeting-flyer---march-21-2019.pdf?sfvrsn=6">bernardino/san-bernardino- steering- committee- meeting-flyer--- march-21- 2019.pdf?sfvrsn=6</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=15">committees/san-bernardino/presentation-april18-2019.pdf?sfvrsn=15</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-apr18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-apr18-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8">bernardino/meeting-summary-april18-2019.pdf?sfvrsn=8</a>
6	May 16, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-may16-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/meeting-flyer-may16-2019.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-may-16-2019.pdf?sfvrsn=8</a>	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-may16-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/summary-may16-2019.pdf?sfvrsn=8</a>
7	June 20, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-june20-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-june20-2019.pdf?sfvrsn=8</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019.pdf?sfvrsn=8</a> Spanish: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019-span.pdf?sfvrsn=6">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-june20-2019-span.pdf?sfvrsn=6</a>	tbd
<b>CERP Public Workshop / CSC #8</b>	July 18, 2019 San Bernardino Valley College, San Bernardino	50	<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-july18-2019.pdf?sfvrsn=14">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/flyer-july18-2019.pdf?sfvrsn=14</a>	English: <a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-july18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-july18-2019.pdf?sfvrsn=8</a> Spanish:	tbd

				<a href="http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-spanish-july18-2019.pdf?sfvrsn=8">http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-spanish-july18-2019.pdf?sfvrsn=8</a>	
9	August 15, 2019 San Bernardino Valley College, San Bernardino	tbd	tbd	tbd	tbd
10	September 19, 2019 San Bernardino Valley College, San Bernardino	tbd	tbd	tbd	tbd

INTERPRETERS

The following California Certified Interpreters were contracted to provide services at the meetings.

- Gloria Carrallo
- Patricia Chavez
- Monica Desiderio
- Astrid Estrada
- Martha Falencik
- Alejandro Franco
- Carmen Garza
- Consuelo V. Gonzalez
- Cecilia Ibarra
- Estela Moll
- Yolanda Ramirez
- Madeline Rios

ADDITIONAL OUTREACH

South Coast AQMD staff had more than 35 in-person or phone meetings with CSC members as well as members of the community. The list below provides some information about meetings that staff have had, as of the date of this document. Additional phone calls and conversations with CSC members and members of the committee also took place, but not all these conversations are documented here.

Date	Meeting
10/3/18	Call with SB County Dept. of Public Health
11/28/18	Call with Luis Portillo (Inland Empire Economic Partnership)
12/1/18	In-person meeting with Ericka Flores, Andrea Vidaurre and Las Chicas
1/11/19	In-person meeting with Miguel Rivera
1/30/19	Call with Andrea Vidaurre
2/7/19	Call with Miguel Rivera
2/8 /19	Call with Maria Corona
2/8/19	Call with Graciela Regalado
2/8/19	Call with Lorena Rodarte
2/8/19	Call with Ada Trujillo
3/6/19	Call with Angelica Balderas
3/21/19	Call with Jane Hunt-Ruble
3/14/19	Call with Matt Abularach-Macías
4/3/19	Call with Angelica Balderas
4/9/19	In-person meeting with Ericka Flores, Andrea Vidaurre, and Miguel Rivera
4/9/19	In-person meeting with SBDPH (Bernadette Beltran), SB City (Chantal Power) and County (Lisha Smith)
4/22/19	Call with Ericka Flores and Andrea Vidaurre
4/24/19	Presented information about AB 617 CERP development at the South Coast AQMD Young Leaders Advisory Council meeting
5/1/19	Conference call with SB City Public Works
5/2/19	Conference call with Omnitrans
5/2/19	Call with SB County DPH (Bernadette Beltran)
5/3/19	Call with Angelica Balderas
5/6/19	Call with Ericka Flores
5//19	In-person meeting with Tammy Yamasaki
5/16/19	Call with Jane Hunt-Ruble
5/23/19	In-person meeting with Ericka Flores, Andrea, Miguel and Las Chicas
5/?/19	Call with Mary Valdemar
5/23/19	In-person meeting with Otis Greer & co. from SBCTA
5/29/19	Call with Matthew Taylor
5/29/19	Call with Valerie Dobesh
5/31/19	Call with Angel Rodriguez
5/31/19	Small group in-person meeting with Matthew, Jason Martinez, Mary Valdemar, Ryan Sinclair, Valerie Dobesh
6/4/19	Call with James Albert
6/5/19	In-person meeting with Miguel Rivera and Abram Gastelum
6/?/19	Call with Tammy Yamasaki
6/?/19	Call with Ryan Sinclair
6/5/19	In-person meeting with B.J. Patterson

## Appendix 2-6

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6/12/19	Conference call with Demi Espinoza
6/20/19	Call with Jane Hunt-Ruble
6/20/19	Call with Matt Abularach-Macías
7/1/19	Call with Otis Greer from SBCTA
7/1/19	Call with Ryan Sinclair from LLU

DRAFT



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #1

Thursday, November 8<sup>th</sup>, 2018 — 6:00 p.m. - 8:00 p.m.

Ruben Campos Community Center - 1717 W. 5th St. San Bernardino, CA 92411

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open	Reception table	
6:00 pm	Welcome and Introductions	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>  Committee Members	
6:10 pm	AB 617 Program Overview, Community Steering Committee Role and Expectations	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>	To know what we are working on, the timeline, and what we are expected to do.
	Air Pollution Background	Philip Fine <i>(Deputy Executive Officer, Planning, Rule Development &amp; Area Sources)</i>	To be able to use the same words (terms) in our discussions, and to understand the process that we go through to clean the air.  To help identify what air pollution is in this community, and what are the sources.
6:25 pm	Air Quality Concerns Mapping Activity	SCAQMD Staff, Committee Members, and Members of the Public	To help us understand this community's air quality concerns
7:00 pm	Community Boundaries	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>	To help guide where we focus resources from the AB 617 program
7:10 pm	Clean Air Incentives	Yvonne Sanchez <i>(Air Resources Engineer, California Air Resources Board)</i>  Mei Wang <i>(Program Supervisor, Science and Technology Advancement)</i>	To show some of the work we are already doing in this community to help clean the air, and to let people know how to submit ideas on how to spend incentive money to make facilities cleaner.
	Steering Committee Charter and Considerations	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>  Committee Members	To talk about the CSC charter and other things to make this committee more effective.
7:35 pm	Public Comment		
	Next Steps	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>	
8:00 pm	Adjourn		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #2

Thursday, January 17, 2019 — 6:00 p.m. – 8:00 p.m.  
Muscoy PAL Center  
2450 Blake St. Muscoy, CA 92407

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open  Poster session – Monitoring Technologies		
6:00 pm	Welcoming Remarks, and Meeting Expectations – 5 min	Miguel Rivera <i>(Muscoy Resident, Cohost)</i>	<ul style="list-style-type: none"> <li>• Set expectations for this meeting</li> </ul>
6:05 pm	Meeting Overview, Air Quality Concerns and Community Boundaries, continued committee discussion and input – 60 min	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Help us understand this community's air quality concerns, and start thinking of which concerns can be addressed through AB 617</li> <li>• Provide input on community boundaries, which will help guide technical analysis and prioritization of air quality concerns in this community</li> </ul>
7:05 pm	STRETCH BREAK - 5 min		
7:10 pm	Community Air Monitoring and committee Q&A – 30 min	Andrea Polidori <i>(Atmospheric Measurements Manager, Science &amp; Technology Advancement)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• Requested by CSC members</li> <li>• Provide ideas for what monitoring we may want to do through AB 617</li> </ul>
7:40 pm	CSC Charter and Next Steps – 5 min	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development &amp; Area Sources)</i>	<ul style="list-style-type: none"> <li>• Ask committee to sign charter</li> <li>• Preview of next steps, next meeting topics</li> </ul>
7:45 pm	Public Comment – 15 min		
8:00 pm	Adjourn		



# Ley (AB) 617

## Iniciativas Comunitarias para el Aire

San Bernardino, Muscoy

Reunión #2 del Comité Directivo Comunitario (CDC)

Jueves, 17 de enero, 2019 — 6:00 p.m. – 8:00 p.m.

Muscoy PAL Center

2450 Blake St. Muscoy, CA 92407

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas  Sesión de posters - Tecnologías de monitoreo		
6:00 pm	Expectativas de la reunión - 5 min	Miguel Rivera <i>(Residente de Muscoy, co- anfitrión)</i>	<ul style="list-style-type: none"> <li>• Establecer expectativas para esta reunión.</li> </ul>
6:05 pm	Resumen de la reunión, Preocupaciones de la calidad del aire y límites de la comunidad, y seguir la discusión del comité para que nos den sugerencias - 60 min	Jo Kay Ghosh (Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Ayúdenos a comprender las inquietudes sobre la calidad del aire de esta comunidad y empiece a pensar qué preocupaciones se pueden abordar a través de AB 617</li> <li>• Proporcionar información sobre los límites de la comunidad, lo que ayudará a guiar el análisis técnico y la priorización de los problemas de calidad del aire en esta comunidad</li> </ul>
7:05 pm	DESCANSO PARA ESTIRARSE - 5 min		
7:10 pm	Control del aire comunitario y preguntas y respuestas del comité - 30 min.	Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Solicitado por miembros del CDC</li> <li>• Brindar ideas sobre qué tipo de monitoreo queremos hacer a través de AB 617</li> </ul>
7:40 pm	Carta del Acta y Próximos Pasos - 5 min	Jo Kay Ghosh <i>(Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área)</i>	<ul style="list-style-type: none"> <li>• Pedirle al comité que firme la carta</li> <li>• Vista previa de los próximos pasos, temas para la próxima reunión</li> </ul>
7:45 pm	Comentario público - 15 min		
8:00 pm	Fin de la reunión		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #3

Thursday, February 21, 2019 — 6:00 p.m. – 8:00 p.m.  
Muscoy PAL Center  
2450 Blake St. San Bernardino, CA 92407

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	Welcoming Remarks – 5 min	Miguel Rivera ( <i>Co-host</i> )	
	Enforcement Overview – 5 min	Terrence Mann ( <i>Assistant Deputy Executive Officer, Compliance and Enforcement</i> )	<ul style="list-style-type: none"> <li>To help explain examples of enforcement strategies used by SCAQMD</li> </ul>
	Committee Questions on Enforcement – 5 min	<b>Committee Members only</b>	<ul style="list-style-type: none"> <li>Requested by CSC members</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>Strategies to Address Air Pollution Concerns – 10 min</li> <li>Air Pollution Emissions Data – 5 min</li> </ul>	Jo Kay Ghosh ( <i>Health Effects Officer, Planning, Rule Development &amp; Area Sources</i> )	<ul style="list-style-type: none"> <li>To help with developing emission reduction plans in this community</li> <li>To understand where emissions come from in this community</li> </ul>
	Q & A on Strategies and Emissions Data – 5 min	<b>Committee Members and the public</b>	
6:35 pm	<ul style="list-style-type: none"> <li>Community Boundary and Prioritization of Air Quality Concerns – 10 min</li> <li>Prioritization Activity – 30 min</li> <li>Activity Report Back – 15 min</li> <li>Break – 5 min</li> <li>Activity Consensus Results Discussion – 10 min</li> </ul>	SCAQMD staff; Co-host  <b>Committee Members and the public</b>	<ul style="list-style-type: none"> <li>Helps SCAQMD prioritize the top air quality concerns from the community</li> <li>Helps guide the SCAQMD's focus for the community emission reduction plans</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Miguel Rivera ( <i>Co-host</i> )	
7:50 pm	Public Comment – 10 min	Members of the public, moderated by Co-host	
8:00 pm	Adjourn		



# Ley(AB) 617 Iniciativas Comunitarias del Aire

## San Bernardino, Muscoy Reunión del Comité Directivo Comunitario # 3

Jueves, 21 de Febrero del 2019 — 6:00 p.m. – 8:00 p.m.  
Muscoy PAL Center  
2450 Blake St. San Bernardino, CA 92407

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	Bienvenida e introducción del facilitador – 5 min	Miguel Rivera ( <i>Co-anfitrión</i> )	
	Perspectiva general de la ejecución de la ley – 5 min  Preguntas y respuestas sobre la ejecución del comité – 5 min	Terrence Mann ( <i>Subdirector Ejecutivo Adjunto, Cumplimiento y Cumplimiento</i> )  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Para ayudar a explicar ejemplos de estrategias de ejecución utilizadas por SCAQMD</li> <li>• Solicitado por miembros de CSC</li> </ul>
6:15 pm	<ul style="list-style-type: none"> <li>• Estrategias para abordar los problemas de contaminación del aire – 10 min</li> <li>• Datos de emisiones de contaminación del aire. – 5 min</li> </ul>	Jo Kay Ghosh ( <i>Oficial de efectos en la salud, planificación, desarrollo de reglas y fuentes de área</i> )	<ul style="list-style-type: none"> <li>• Ayudar con el desarrollo de planes de reducción de emisiones en esta comunidad.</li> <li>• Comprender de dónde provienen las emisiones en esta comunidad.</li> </ul>
	Preguntas y respuestas sobre estrategias y datos de emisiones. – 5 min	<b>Miembros del comité</b>	
6:35 pm	<ul style="list-style-type: none"> <li>• Límites comunitarios y priorización de los problemas de calidad del aire – 10 min</li> <li>• Actividad de priorización – 30 min</li> <li>• Reporte de la actividad – 15 min</li> <li>• Descanso – 5 min</li> <li>• Discusión de resultados de consenso de actividad – 10 min</li> </ul>	Personal de SCAQMD; Co-anfitrión  <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>• Ayuda a SCAQMD a priorizar los principales problemas de calidad del aire de la comunidad</li> <li>• Ayuda a guiar el enfoque de SCAQMD para los planes de reducción de emisiones de la comunidad</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Miguel Rivera ( <i>Co-anfitrión</i> )	
7:50 pm	Comentario público – 10 min	Miembros del público	
8:00 pm	Final		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #4

Thursday, March 21, 2019 — 6:00 p.m. – 8:00 p.m.  
San Bernardino Valley College  
701 Mt. Vernon Ave., San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks Meeting #3 recap</li> <li>• Current progress: What we've done so far – 5 min</li> </ul>	Facilitator	<ul style="list-style-type: none"> <li>• To understand where we are at with developing the community plans</li> </ul>
6:05 pm	Current Rule Development Efforts: <ul style="list-style-type: none"> <li>• Best Available Retrofit Control Technology (BARCT) – 3 min</li> <li>• Indirect Source Rules (ISR) or Facility Based Mobile Source Measures – 7 min</li> </ul>	Kevin Orellana <i>(Program Supervisor, Planning, Rule Development, &amp; Area Sources)</i>  Ian MacMillan <i>(Manager, Planning, Rule Development, &amp; Area Sources)</i>	<ul style="list-style-type: none"> <li>• To provide information on specific rule development efforts related to this community</li> <li>• Requested by CSC members</li> </ul>
	Q & A on Current Rule Development Efforts – 5 min	<b>Committee Members</b>	
6:25 pm	Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and Update on the Community Air Monitoring Plan  (Part I): Neighborhood Truck Traffic (Including Trucks from/to Warehouses and the BNSF Railyard) and the BNSF Railyard Onsite – 30 min	Jo Kay Ghosh <i>(Health Effects Officer, Planning, Rule Development, &amp; Area Sources)</i>  Andrea Polidori <i>(Atmospheric Measurements Manager, Science &amp; Technology Advancement)</i>	<ul style="list-style-type: none"> <li>• Provides information on the actions that can be included in the CERP to address air quality concerns from this community through AB 617</li> <li>• Provides information on the air monitoring plan for the air quality concerns from this community through AB 617</li> </ul>
6:55 pm	CSC Table Discussion Activity <ul style="list-style-type: none"> <li>• Introduction (Facilitator) – 5 min</li> <li>• Break Out Session and Table Discussion – 35 min</li> <li>• Report Back and Q&amp;A – 10 min</li> </ul>	SCAQMD staff; Facilitator  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To get community input on the proposed measures (actions) to help guide SCAQMD staff in writing the CERP and Community Air Monitoring Plan</li> </ul>
7:45 pm	Important Reminders and Next Steps – 5 min	Facilitator	
7:50 pm	Public Comment – 10 min	Members of the public	
8:00 pm	Adjourn		



# Ley 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

### Reunión del Comité Directivo de la Comunidad #4

Jueves, 21 de marzo del 2019 — 6:00 p.m. – 8:00 p.m.

San Bernardino Valley College

701 Mt. Vernon Ave., San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>• Bienvenida y resumen de la reunión #3</li> <li>• Progreso actual: lo que hemos hecho hasta ahora – 5 min</li> </ul>	Facilitador	<ul style="list-style-type: none"> <li>• Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:05 pm	<p>Esfuerzos actuales de desarrollo de reglas:</p> <ul style="list-style-type: none"> <li>• La mejor tecnología de control de adaptación disponible (BARCT) – 3 min</li> <li>• Reglas de fuentes indirectas (ISR) o medidas de fuentes móviles basadas en instalaciones – 7 min</li> </ul>	<p>Kevin Orellana (Supervisor, Planificación, Desarrollo de Reglas y Fuentes de Área)</p> <p>Ian MacMillan (Gerente, Planificación, Desarrollo de Reglas y Fuentes de Área)</p>	<ul style="list-style-type: none"> <li>• Proporcionar información sobre esfuerzos específicos de desarrollo de reglas relacionados con esta comunidad.</li> <li>• Solicitado por miembros de CSC</li> </ul>
	Preguntas y respuestas sobre los esfuerzos actuales de desarrollo de reglas – 5 min	<b>Miembros del comité</b>	
6:25 pm	<p>Ideas iniciales para acciones en el Plan de Reducción de emisiones de la Comunidad (CERP) y actualización sobre el Plan de Monitoreo de Aire de la Comunidad</p> <p>(Parte I): Tráfico de Camiones (Incluyendo los Camiones que Vienen y Salen de los Almacenes y del Patio Ferroviario) y Dentro del Patio Ferroviario de BNSF – 30 min</p>	<p>Jo Kay Ghosh (Oficial de efectos a la salud, planificación, desarrollo de reglas y fuentes de área)</p> <p>Andrea Polidori (Gerente de Mediciones Atmosféricas, Avances en Ciencia y Tecnología)</p>	<ul style="list-style-type: none"> <li>• Proporcionar información sobre las medidas (acciones) propuestas para los problemas de calidad del aire de esta comunidad a través de AB 617</li> <li>• Proporcionar información sobre el plan de monitoreo de aire para los problemas de calidad del aire de esta comunidad a través de AB 617</li> </ul>
6:55 pm	<p>Actividad del comité en mesas</p> <ul style="list-style-type: none"> <li>• Introducción (Facilitador) – 5 min</li> <li>• Sesión abierta y discusión en la mesa – 35 min</li> <li>• Resumen y sesión de pregunta y respuesta – 10 min</li> </ul>	<p>Personal de SCAQMD; Facilitador</p> <p><b>Miembros del comité</b></p>	<ul style="list-style-type: none"> <li>• Obtener información de la comunidad sobre las medidas (acciones) propuestas para ayudar a guiar al personal de SCAQMD a redactar el CERP</li> </ul>
7:45 pm	Recordatorios importantes y próximos pasos – 5 min	Facilitador	
7:50 pm	Comentario público – 10 min	Miembros del público	
8:00 pm	Fin		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #5

Thursday, April 18, 2019 — 6:00 p.m. – 8:00 p.m.  
PAL Charter Academy  
1671 N. Sierra Way,  
San Bernardino, CA 92405

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks and Community Testimonials – 10 min</li> </ul>	<ul style="list-style-type: none"> <li>• Angelica Balderas (<i>Community co-host</i>)</li> <li>• <b>Committee members</b></li> </ul>	<ul style="list-style-type: none"> <li>• To understand where we are at with developing the community plans</li> <li>• To understand current efforts in the community by CSC members</li> </ul>
6:10 pm	<p><b>Current Efforts in the Community</b></p> <ul style="list-style-type: none"> <li>• San Bernardino Valley College (SBVC) – 10 min</li> <li>• Center for Community Action and Environmental Justice (CCA EJ) – 5 min</li> <li>• Southern California Edison – 5 min</li> </ul>	<ul style="list-style-type: none"> <li>• Mary Valdemar (<i>Secretary, SBVC</i>)</li> <li>• Ericka Flores (<i>Organizing Director, CCA EJ</i>)</li> <li>• Tammy Yamasaki (<i>Senior Advisor, Air &amp; Climate Policy, Southern California Edison</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• Provides information on local efforts and programs that address air pollution concerns in the community</li> </ul>
	Community discussion and Q & A – 20 min	<b>Committee members</b>	
6:50 pm	<p><b>South Coast AQMD Updates</b></p> <ul style="list-style-type: none"> <li>• Draft Community Air Monitoring Plan – 10 min</li> <li>• Community discussion and Q &amp; A – 10 min</li> <li>• Information on Sources in this Community and Initial Ideas for Actions in the Community Emission Reduction Plan (CERP) and CAMP (Part II) – 10 min</li> <li>• Community discussion and Q &amp; A – 20 min</li> </ul>	<ul style="list-style-type: none"> <li>• Andrea Polidori (<i>Atmospheric Measurements Manager, SCAQMD</i>)</li> <li>• <b>Committee members</b></li> <li>• Jo Kay Ghosh (<i>Health Effects Officer, SCAQMD</i>)</li> <li>• <b>Committee members</b></li> </ul>	<ul style="list-style-type: none"> <li>• Provides information on the sources contributing to air pollution in this community</li> <li>• Provides information on ideas to address these air quality concerns: <ul style="list-style-type: none"> <li>- Warehouse (Onsite Emissions)</li> <li>- Cement Batch Plants</li> <li>- Omnitrans Bus Yard</li> <li>- Schools, etc.</li> </ul> </li> </ul>
7:40pm	Important Reminders & Next Meeting Topics – 10 min	Angelica Balderas ( <i>Community co-host</i> )	
7:50 pm	Public Comment – 10 min	<b>Community members</b>	
8:00 pm	Adjourn		



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Reunión del Comité Directivo de la Comunidad #5

Jueves, 18 de Abril, 2019 — 6:00 p.m. – 8:00 p.m.

PAL Charter Academy

1671 N. Sierra Way,

San Bernardino, CA 92405

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Bienvenida y Testimonios de la Comunidad – 10 min</li> </ul>	<ul style="list-style-type: none"> <li>• Angelica Balderas (Co-anfitrión de la comunidad)</li> <li>• <b>Miembros del comité</b></li> </ul>	<ul style="list-style-type: none"> <li>• Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> <li>• Aprender sobre los esfuerzos actuales en la comunidad que se están llevando a cabo por los miembros de CSC.</li> </ul>
6:10 pm	<p><b>Esfuerzos actuales en la comunidad</b></p> <ul style="list-style-type: none"> <li>• San Bernardino Valley College (SBVC) – 10 min</li> <li>• Center for Community Action and Environmental Justice (CCA EJ) – 5 min</li> <li>• Southern California Edison – 5 min</li> </ul>	<ul style="list-style-type: none"> <li>• Mary Valdemar (Secretaria, SBVC)</li> <li>• Ericka Flores (Directora y organizadora, CCA EJ)</li> <li>• Tammy Yamasaki (Asesora Principal, Políticas de Aire y Clima, Southern California Edison)</li> </ul>	<ul style="list-style-type: none"> <li>• Entregar información sobre los esfuerzos y programas locales que abordan los problemas de contaminación del aire en la comunidad.</li> </ul>
	Discusión comunitaria y preguntas y respuestas. – 20 min	<b>Miembros del comité</b>	
6:50 pm	<p><b>Actualizaciones de AQMD de la Costa Sur</b></p> <ul style="list-style-type: none"> <li>• Proyecto de Plan de Monitoreo de Aire de la Comunidad – 10 min</li> <li>• Discusión comunitaria y preguntas y respuestas – 10 min</li> <li>• Información sobre fuentes en esta comunidad e ideas iniciales para acciones del Plan de reducción de emisiones de la comunidad (CERP) y CAMP (Parte II) – 10 min</li> <li>• Discusión comunitaria y preguntas y respuestas – 20 min</li> </ul>	<ul style="list-style-type: none"> <li>• Andrea Polidori (Atmospheric Measurements Manager, SCAQMD)</li> <li>• <b>Miembros del comité</b></li> <li>• Jo Kay Ghosh (Health Effects Officer, SCAQMD)</li> <li>• <b>Miembros del comité</b></li> </ul>	<ul style="list-style-type: none"> <li>• Proporcionar información sobre las fuentes que contribuyen a la contaminación del aire en esta comunidad.</li> <li>• Proporcionar información sobre ideas para abordar estas preocupaciones sobre la calidad del aire: <ul style="list-style-type: none"> <li>• Almacenes (Emisiones in situ)</li> <li>• Plantas de lote de cemento</li> <li>• Patio de Autobuses de Omnitrans</li> <li>• Escuelas, etc.</li> </ul> </li> </ul>
7:40pm	Recordatorios importantes y temas de la próxima reunión – 10 min	Angelica Balderas (Co-anfitrión de la comunidad)	
7:50 pm	Comentario público – 10 min	<b>Miembros de la comunidad</b>	
8:00 pm	Final		



# Assembly Bill (AB) 617 Community Air Initiatives

## San Bernardino, Muscoy Community Steering Committee Meeting #6

Thursday, May 16, 2019 — 6:00 p.m. – 8:30 p.m.  
San Bernardino Valley College Room - B100  
701 S. Mt. Vernon Ave.  
San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:45 pm	Doors open		
6:00 pm	<ul style="list-style-type: none"> <li>• Welcoming Remarks</li> <li>• Community Testimonials</li> <li>• Meeting #5 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	Co-host; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand where we are in developing the community plans</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>• Committee Presenters               <ul style="list-style-type: none"> <li>• Center for Community Action and Environmental Justice (CCA EJ) – 10 min</li> <li>• Omnitrans – 10 min</li> <li>• City of San Bernardino – 5 min</li> <li>• San Bernardino Department of Public Health – 10 min</li> </ul> </li> <li>Q &amp; A on this agenda item – 20 min</li> </ul>	<b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand current efforts in the community by CSC members to address air quality concerns</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>• California Air Resources Board (CARB) Actions - Regulations – 5 min</li> <li>Q &amp; A on this agenda item – 20 min</li> <li>• Automated License Plate Reader (ALPR) – 10 min</li> <li>Q &amp; A on this agenda item – 10 min</li> </ul>	CARB Staff; Co-host; <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To understand current regulatory efforts by CARB to address the air quality concerns in this community</li> <li>• To provide information on the automated license plate reader</li> </ul>
7:50 pm	<ul style="list-style-type: none"> <li>• Committee Discussion on the Community Emission Reduction Plan (CERP) – 10 min</li> <li>• Committee Discussion on Community Air Monitoring Plan (CAMP) – 15 min</li> </ul>	Diana Thai <i>(Program Supervisor, South Coast AQMD)</i>  Andrea Polidori <i>(Advanced Monitoring Technologies Manager, South Coast AQMD)</i>  <b>Committee Members</b>	<ul style="list-style-type: none"> <li>• To discuss the proposed measures (actions) and begin discussion on goals</li> <li>• To discuss the Draft CAMP and gather community input</li> </ul>
8:15 pm	Next Meeting Topics and Important Reminders – 5 min	Co-host; <b>Committee Members</b>	
8:20 pm	Public Comment – 10 min	Members of the Public	
8:30 pm	Adjourn		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

### San Bernardino, Muscoy

### Reunión del Comité Directivo de la Comunidad #6

Jueves, 16 de mayo, 2019 — 6:00 p.m. – 8:30 p.m.  
 San Bernardino Valley College Room - B100  
 701 S. Mt. Vernon Ave.  
 San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Bienvenida y Testimonios de la Comunidad</li> <li>Reunión # 5, Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	Co-anfitrión; <b>Miembros del comité</b>	<ul style="list-style-type: none"> <li>Comprender dónde nos encontramos en el desarrollo de los planes comunitarios.</li> </ul>
6:10 pm	<ul style="list-style-type: none"> <li>Presentadores de comités</li> <li>Centro de Acción Comunitaria y Justicia Ambiental (CCA EJ) – 10 min</li> <li>Omnitrans – 10 min</li> <li>Ciudad de San Bernardino – 5 min</li> <li>Departamento de Salud Pública de San Bernardino – 10 min</li> </ul> Preguntas y respuestas sobre este tema del programa – 20 min	<b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</li> </ul>
7:05 pm	<ul style="list-style-type: none"> <li>Acciones de la Junta de Recursos del Aire de California (CARB) – Regulaciones – 5 min</li> </ul> Preguntas y respuestas sobre este tema del programa – 20 min  <ul style="list-style-type: none"> <li>Lector automatizado de matrículas (ALPR) – 10 min</li> </ul> Preguntas y respuestas sobre este tema del programa – 10 min	Personal de CARB; Co-anfitrión; <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Comprender los esfuerzos regulatorios actuales de CARB para abordar los problemas de calidad del aire en esta comunidad</li> <li>Proporcionar información sobre el lector automatizado de matrículas</li> </ul>
7:50 pm	<ul style="list-style-type: none"> <li>Discurso del Comité sobre el plan de reducción de emisiones de la comunidad (CERP) – 10 min</li> <li>Discurso del Comité sobre el Plan de monitoreo de aire de la comunidad (CAMP) – 15 min</li> </ul>	Diana Thai <i>(Supervisora de Programa, Costa Sur AQMD)</i>  Andrea Polidori <i>(Gerente de Tecnologías de Monitoreo Avanzado, Costa Sur AQMD)</i>  <b>Miembros del Comité</b>	<ul style="list-style-type: none"> <li>Hablar sobre las medidas propuestas (acciones) y comenzar la discusión sobre metas</li> <li>Hablar sobre el borrador del CAMP y recopilar opiniones de la comunidad</li> </ul>
8:15 pm	Recordatorios importantes y temas de la próxima reunión – 5 min	Co-anfitrión; <b>Miembros del Comité</b>	
8:20 pm	Comentario público – 10 min	Miembros de la comunidad	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.





# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Reunión del Comité Directivo de la Comunidad #7

Jueves, 20 de Junio, 2019 — 6:00 p.m. – 8:30 p.m.

San Bernardino Valley College

701 S. Mt. Vernon Ave.,

San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Por qué es importante?
5:45 pm	Puertas abiertas		
6:00 pm	<ul style="list-style-type: none"> <li>Comentarios de bienvenida</li> <li>Testimonios de la Comunidad</li> <li>Reunion #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora – 10 min</li> </ul>	<p>Co-anfitrión</p> <p><b>Miembros del comité</b></p>	Comprender dónde estamos en el desarrollo de los planes comunitarios.
6:10 pm	<ul style="list-style-type: none"> <li>Presentaciones del comité y y Actualización del Grupo Asesor Técnico (TAG) <ul style="list-style-type: none"> <li>BNSF – 10 min</li> <li>Departamento de Planificación de Uso del Suelo del Condado de San Bernardino - 5 min</li> <li>Universidad de Loma Linda –10 min</li> <li>Actualización del TAG – 5 min</li> </ul> </li> <li>Preguntas y respuestas sobre este tema – 20 min</li> </ul>	<p>LaDonna DiCamillo (Asuntos del Gobierno Regional, BNSF Railway Company)</p> <p>Suzanne Peterson (Planificadora asociada, Departamento de Planificación de Uso del Suelo del Condado de San Bernardino)</p> <p>Ryan Sinclair, PhD, MPH (Profesor Asociado, Departamento de Salud Pública de la Universidad de Loma Linda)</p> <p><b>Miembros del comité</b></p>	<p>Comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire</p> <p>Proporcionar un breve resumen de la última reunión del TAG</p>
7:00 pm	<ul style="list-style-type: none"> <li>Revisar el borrador para discusión del plan de reducción de emisiones de la comunidad (CERP) y como medir los logros * – 10 min</li> <li>Debate con el comité – 30 min</li> </ul>	<p>Diana Thai (Supervisora de Programa, South Coast AQMD)</p> <p><b>Miembros del comité</b></p>	Revisar los elementos del borrador del CERP y establecer metas para medir los logros
7:40 pm	<ul style="list-style-type: none"> <li>Junta de Recursos del Aire de California (CARB) Acciones de ejecución – 10 min</li> <li>Debate con el comité – 20 min</li> </ul>	<p>Personal de CARB ;</p> <p>Personal de South Coast AQMD;</p> <p><b>Miembros del comité</b></p>	Comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad
8:10 pm	Recordatorios importantes y próximos pasos – 10 min	<p>Co-anfitrión</p> <p><b>Miembros del comité</b></p>	
8:20 pm	Comentario público – 10 min	Miembros del público	
8:30 pm	Fin		

\* El personal también está disponible para preguntas después de la reunión.



# Assembly Bill (AB) 617 Community Air Initiatives

San Bernardino, Muscoy

Community Workshop and Community Steering Committee Meeting #8

Thursday, July 18, 2019

Workshop 5:30 – 6:00 p.m.

CSC Meeting 6:00 – 8:30 p.m.

San Bernardino Valley College, 701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Time	Item	Presenter	Why is this important?
5:30 pm	<ul style="list-style-type: none"> <li>Doors open – Community Workshop – 30 min</li> </ul>	<p><b>Committee Members</b></p> <p>Members of the Public</p>	<p>To provide information on:</p> <ul style="list-style-type: none"> <li>Community Emissions Reduction Plan (CERP)</li> <li>Community Air Monitoring</li> <li>Incentives</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>Welcoming Remarks</li> <li>Community Testimonials</li> <li>Meeting #7 Recap &amp; Current Progress: What we've done so far – 10 min</li> </ul>	<p>Co-host</p> <p><b>Committee Members</b></p>	<p>To understand where we are in developing the community plans</p>
6:10 pm	<p>Technical Advisory Group (TAG) update – 5 min</p>	<p>Tammy Yamasaki <i>(Senior Advisor, Air &amp; Climate Policy, Southern California Edison)</i></p>	<p>To provide a brief overview of the TAG meeting</p>
6:15 pm	<ul style="list-style-type: none"> <li>San Bernardino County Transportation Authority (SBCTA) – 10 min</li> </ul> <p>Committee Discussion – 10 min</p>	<p>Otis Greer <i>(Director of Legislative and Public Affairs, SBCTA)</i></p> <p><b>Committee Members</b></p>	<p>To understand current efforts in the community by CSC members to address air quality concerns</p>
6:35 pm	<ul style="list-style-type: none"> <li>California Air Resources Board (CARB) Enforcement Actions – 10 min</li> <li>Committee Discussion – 20 min</li> </ul>	<p>CARB Staff;</p> <p><b>Committee Members</b></p>	<p>To understand current enforcement actions that will be taken by CARB to address the air quality concerns in this community</p>
7:05 pm	<ul style="list-style-type: none"> <li>Discuss the Discussion Draft Community Emissions Reduction Plan (CERP) Comments Received* – 10 min</li> </ul> <p>Committee Discussion – 25 min</p>	<p>Diana Thai <i>(Program Supervisor, South Coast AQMD)</i></p> <p><b>Committee Members</b></p>	<p>To discuss community feedback and comments received on the Discussion Draft CERP</p>
7:40 pm	<ul style="list-style-type: none"> <li>Community Air Monitoring Update* – 10 min</li> </ul> <p>Committee Discussion – 10 min</p> <ul style="list-style-type: none"> <li>Truck Technologies – 10 min</li> </ul> <p>Committee Discussion – 10 min</p>	<p>Payam Pakbin <i>(Program Supervisor, Monitoring, South Coast AQMD)</i></p> <p>Joseph Impullitti <i>(Technology Demonstration Manager, South Coast AQMD)</i></p> <p><b>Committee Members</b></p>	<p>To provide an update on the current monitoring efforts being deployed as described in the CAMP</p> <p>To provide information on current truck technologies</p>
8:20 pm	<ul style="list-style-type: none"> <li>Public Comment – 10 min</li> </ul>	<p>Members of the Public</p>	
8:30 pm	<p>Adjourn</p>		

\* Staff is also available for questions after the meeting.



# Ley (AB) 617

## Iniciativas del Aire en la Comunidad

San Bernardino, Muscoy

Taller Comunitario y Reunión del Comité Directivo de la Comunidad no.8

Jueves, 18 de Julio, 2019

Taller 5:30 – 6:00 p.m.

Reunión 6:00 – 8:30 p.m.

San Bernardino Valley College, 701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Hora	Asunto	Presentador	¿Porqué es importante?
5:30 pm	Puertas Abiertas – Taller Comunitaria – 30 min	<b>Miembros del Comité</b>  Miembros del Publico	Para proveer información sobre: <ul style="list-style-type: none"> <li>• Incentivos</li> <li>• Plan de Reducción de Emisiones de la Comunidad (CERP)</li> <li>• Plan de Monitoreo de Aire Comunitario (CAMP)</li> </ul>
6:00 pm	<ul style="list-style-type: none"> <li>• Comentarios de bienvenida</li> <li>• Testimonios de la Comunidad</li> <li>• Reunión #5 Resumen y Progreso Actual: Lo que hemos hecho hasta ahora</li> </ul> – 10 min	Co-anfitriona  <b>Miembros del Comité</b>	Comprender dónde estamos en el desarrollo de los planes comunitarios.
6:10 pm	Actualización del Grupo de Asesoramiento Técnico (TAG)  – 5 min	Tammy Yamasaki <i>(Asesora Principal, Política de Aire y Clima, Southern California Edison)</i>	Para proporcionar una breve descripción de la reunión TAG
6:15 pm	<ul style="list-style-type: none"> <li>• San Bernardino County Transportation Authority (SBCTA)</li> </ul> – 10 min  Discusión del comité – 10 min	Otis Greer <i>(Director de Asuntos Legislativos y Públicos, SBCTA)</i>  <b>Committee Members</b>	Para comprender los esfuerzos actuales en la comunidad por parte de los miembros de CSC para abordar los problemas de calidad del aire
6:35 pm	<ul style="list-style-type: none"> <li>• Acciones de cumplimiento de la Junta de Recursos del Aire de California (CARB)</li> </ul> – 10 min  • Committee Discussion – 20 min	Personal de CARB ;  <b>Miembros del comité</b>	Para comprender las medidas de cumplimiento actuales que tomará CARB para abordar los problemas de calidad del aire en esta comunidad
7:05 pm	<ul style="list-style-type: none"> <li>• Hablar sobre el borrador de discusión</li> </ul> Comentarios recibidos del Plan de reducción de emisiones de la comunidad (CERP) – 10 min  Discusión del comité – 25 min	Diana Thai <i>(Supervisora del Programa, South Coast AQMD)</i>  <b>Miembros del comité</b>	Para discutir los comentarios de la comunidad y los comentarios recibidos en el borrador de discusión del CERP
7:40 pm	<ul style="list-style-type: none"> <li>• Actualización de monitoreo de aire de la comunidad *</li> </ul> – 10 min  Discusión del comité – 10 min  • Tecnologías de camiones – 10 min  Discusión del comité – 10 min	Payam Pakbin <i>(Supervisor del Programa de Monitoreo, South Coast AQMD)</i>  Joseph Impullitti <i>(Gerente de Demostración de Tecnología, South Coast AQMD)</i>  <b>Miembros del comité</b>	Para proporcionar una actualización de los esfuerzos de monitoreo actuales que se implementan como se describe en el CAMP  Proporcionar información sobre las tecnologías actuales de camiones
8:20 pm	<ul style="list-style-type: none"> <li>• Comentario público</li> </ul> – 10 min	Miembros del público	
8:30 pm	Adjourn		

\* El personal también está disponible para preguntas después de la reunión



AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM

Ruben Campos Community Center

1717 West 5th Street, CA 92411

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
 Cualquier persona puede participar en esta reunion sin necesidad de proveer la informacion requerida en este documento  
 PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
 POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Titulo	Affiliation / Organization Afilacion / Organizacion	Email Correo Electronico	Phone Telefono	Address/City/Zip Direccion/Ciudad/Codigo Postal
1 L. Z. Schmidt		CARB			
2 Deo Collins		UC Riverside			
3 STANe Hunt-Roble		Save Lytle Creek Wash Muscoy Conservancy CITIZEN			
4 B. I. LaMatir		CSBA			
5 Michelle Burroughs		UCR School of Medicine			
6 Ryan Sinclair		LLU School of Pub. Hth			
7 Polouia Magas		City of San Bernardino			
8 Ivy Oronis		CARB			
9 Tim B Lynn Summers					
10 Todd Heibel		San Bernardino Valley Council			



**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

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 PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS  
 POR FAVOR ESCRIBA CLARAMENTE Y COMPLETE TODAS LAS SECCIONES

Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 M Victoria Benaviz	CEO	Fostering Leads for Water	[REDACTED]	[REDACTED]	[REDACTED]
2 Juanita Garcia	SEM Coordinator Rialto USD	Rialto USD	[REDACTED]	[REDACTED]	[REDACTED]
3 Allen Hernandez	Executive Director	CCAETS	[REDACTED]	[REDACTED]	[REDACTED]
4 Valerie Bobesh	[REDACTED]	RSBCIHI	[REDACTED]	[REDACTED]	[REDACTED]
5 Noshua Bell	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6 Christoph Chavez	Deputy Director	Coalition for Clean Air	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]



**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING

Cualquier persona puede participar en esta reunión sin necesidad de proveer la información requerida en este documento

PLEASE PRINT CLEARLY, AND COMPLETE ALL SECTIONS

POR FAVOR ESCRIBA CLARAMENTE Y COMPLETE TODAS LAS SECCIONES

	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Rona Vega	Health Educator Assistant	San Bernardino County Dept. of Public Health			
2	Yessika	ORGANIZER	SAN SIERRA CLUB			
3	Anthony Valencia	COMMS	CCAETS			
4	Nicole Cleary	.	CECERAT			
5	Carol Rosafirell		CEA			
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**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

**SIGNING YOUR NAME IS VOLUNTARY AND IS NOT REQUIRED TO ATTEND THIS MEETING**

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**POR FAVOR ESCRIBA CLARAMENTE Y COMPLETE TODAS LAS SECCIONES**

1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	DAISY MORALES			[REDACTED]		
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**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Mary Vanderveer	Susi Comm Organizer	SBRE Chicoana	[REDACTED]	[REDACTED]	[REDACTED]
2 Sylvia Bersky	Shuttle Service Specialist	SBSD			
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**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

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1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	Ashley Dial	Student	Chicoas	[REDACTED]	[REDACTED]	[REDACTED]
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**AB 617: Community Meeting -- San Bernardino / Muscoy -- October 9, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 West 5th Street, CA 92411**

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Victor					
2 MAHA RIZVI		47th ASm District			
3 ASM. Eloise Gomez-Reyes		47th ASm District			
4 CURT LEWIS		31st Congressional District Rep. Roke Aguilera			
5 MARK THORP		SB County BOS Janice Rutherford			
6 ANDREW SILVA		SCAQM D Janice Basal Asst/Ext; Rutherford			
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Public Health  
Community Outreach and Innovation  
Healthy Communities Program

**BERNADETTE BELTRAN, B.S.**  
Health Education Specialist II



**Matt Abularach-Macias**

CALIFORNIA VOICES  
PROGRAM COORDINATOR



**Christopher Lovett, Ph.D.**  
Air Resources Engineer  
Community Assessment Section  
Office of Community Air Protection



**Don Maddy**  
Executive Director  
State Government Affairs



**ANDRE ALMEIDA**  
Engineer I



**Brian G. Rix**  
Senior Partner



Research Interests  
air quality modeling, emissions,  
climate, health effects,  
environmental justice



Chemical and Environmental Eng.

**Sunni Ivey**  
Assistant Professor  
UC Riverside



Department of Chemistry and Biochemistry

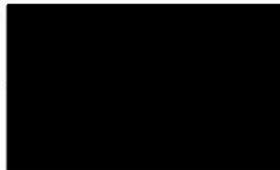
**Andreas Beyersdorf, Ph.D.**  
Assistant Professor



**Kristine D. Scott**  
Public Affairs Manager



**Tom Gross**  
Manager  
Environmental Affairs



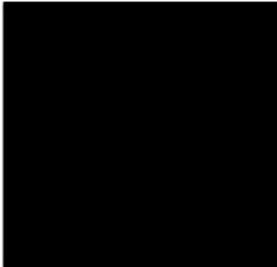


Jack H. Brown College  
Business and Public Administration  
Leonard Transportation Center

Rudy Morales Gamez  
Research Technician I



**Nicole Soto**  
Management Analyst II  
Air Quality & Mobility Programs



San Bernardino County  
Transportation Authority



ANNA JAISWAL  
Development  
Planning Manager



LOMA LINDA UNIVERSITY  
HEALTH

Crissy Irani, MBBS, MPH  
Research Analyst  
Institute for Community Partnerships



A Seventh-day Adventist Organization

GRACIELA "CHELA"  
LARIOS  
SENIOR COMMUNITY ORGANIZER



www.aqmd.gov

South Coast  
Air Quality Management District



CHARLES W. HEWITT, II  
Air Quality Inspector I  
Office of Compliance & Enforcement



ANDREA VIDAURRE  
ORGANIZER



Jack H. Brown College  
Business and Public Administration

Kimberly Collins, Ph.D.  
Executive Director, Leonard Transportation Center  
Associate Professor, Public Administration





AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00 PM

Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

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25

1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	Thomas Sanchez	Air Resources Engineer	CARB			
3	Wagner Ponce	—	Pulsez			
4	Colby Kershfield		CCA			
5	Roxana Barrera	Act Res				
6	Tom Olson	Air Pollution Specialist	CARB			
7	Jerry + Marilyn Patterson		Interest			
8	ASHER fava	Student	Chuteera			
9	David Zoh	Community				
10	Luis Portillo	Public Policy Director	IEEP			
	Terry Allen	APS	CARB			



**AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**  
**1717 W. 5th St., San Bernardino, CA 92411**

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1	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	Anthony Victoria	Comm's Director	CCAETS			
3	Kenny Melanson	SBCU College				
4	Femi Dawudye	CARB VARS1	CARB			
5	SADIKI Freeman	CEO	SHH11			
6	Tammy Yamasaki	Advisor	SAE			
7	R-1W AFENCIO		CARB			
8	Juanita Chan	STEM Coordinator	Rialto USD			
9	Zach Leon	Safety Inspector	SBCUSD			
10	Resaurica Trevay	Professor	UCR			
	Alicia Aguayo	community member				



**AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM**

**Ruben Campos Community Center**

**1717 W. 5th St., San Bernardino, CA 92411**

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1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	Marcos De Leon	EHS Mgr	SARecycling	[REDACTED]	[REDACTED]	[REDACTED]
3	Sean Mayan	Assoc. Dir	CCAETS			
4	Dany Devera					
5	Juanito Hunter					
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AB 617: Community Steering Committee Meeting -- San Bernardino/Muscoy -- November 8, 2018 -- 6:00 to 8:00PM

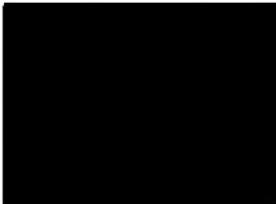
Ruben Campos Community Center

1717 W. 5th St., San Bernardino, CA 92411

ANYONE WHOSE NAME IS VOLUNTARILY AND IS NOT REQUIRED TO ATTEND THIS MEETING  
 CUALQUIER PERSONA PUEDE PARTICIPAR EN ESTA REUNIÓN SIN NECESIDAD DE PROPORCIONAR LA INFORMACIÓN REQUERIDA EN ESTE DOCUMENTO  
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1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	Marven Norman Norman Albert	Executive Director	Inland Empire Biking Alliance/Spokane	[REDACTED]	[REDACTED]	[REDACTED]
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CALIFORNIA  
Small Business **Alliance**  
Dedicated to Environmental Progress and Economic Growth



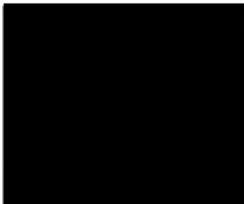
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Economic Dev

**REG JAVIER**  
Deputy Executive Office



**CEA** CALIFORNIA  
ENVIRONMENTAL  
ASSOCIATES

DARCY WHEELS  
DIRECTOR



FL



A Sempra Energy utility

Regional Pt



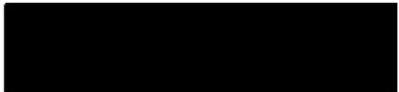
**BRC**  
BURKE | RIX  
COMMUNICATIONS

**Brian G. Rix**  
Senior Partner



County Ad  
Finance and .

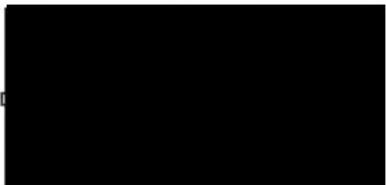
**MARY JANE OLHAS**  
Assistant Executive Offi  
Finance and Administra



South Coast  
**AQMD**

www.aqmd.gov

**ANDREW SILVA**  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino



South Coast  
Air Quality Management

recycled paper

**SH&H**

Commerce CA  
**USDOT 29515  
MC999441**

Safety Is Everyone's Respc

Sadiki Freeman





AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscoy, CA 92407

Agencies, Schools, Universities, Hospitals	Affiliation	Primary Member	Alternate Member	Signature	Signature
San Bernardino County Land Use Planning Manager	Karen Watkins	Suzanne Peterson	S. Peterson		
San Bernardino County Department of Public Health	Bernadette Beltran	Corwin Porter	C. Porter		
California State University San Bernardino	Andreas Beyersdorf	Rudy Morales Gamez	R. Morales Gamez		
City of San Bernardino	Polonia Majas	Flor Murillo	F. Murillo		
Omnitrans	Anna Jaiswal	Jeremiah Bryant	J. Bryant		
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang	Dr. Ryan Sinclair	R. Sinclair		
San Bernardino County Transit Authority	Otis Greer	Nicole Soto	N. Soto		
San Bernardino Valley College	Mary Valdemar				

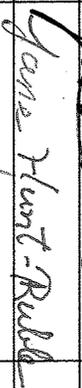
Elected Officials

Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	<u>Erika Willhite</u>	Lisha B. Smith		

Business Representative

BNSF Railway Company	LaDonna DiCamillo			
Pacific Mountain Logistics - San Bernardino	B.J. Patterson			
Southern California Edison	Thomas Gross	<u>Tammy Yamasaki</u>		
Wyatt's Paint & Body, Inc.	Kris Wyatt	<u>Randy Wyatt</u>		
Tacos Don Ramon	Angel Rodriguez			

Community Organization

Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	<u>Jason Martinez</u>	Paula Alvarez Venegas		
Muscoy Action Committee	Jane Hunt-Ruble			
Center for Community Action and Environmental Justice (CCA EJ)	<u>Andrea Vidaurre</u>	Allen Hernandez		
Sierra Club, My Generation	Angelica Balderas			
<del>Sierra Club, My Generation</del>	<del>Berni Espinoza</del>			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Active residents (not representing a community organization or a business)

San Bernardino	Joshua Bell	<i>J Bell</i>		
San Bernardino	Valerie Dobesh	<i>Valerie Dobesh</i>		
San Bernardino	Matthew Taylor	<i>Matthew Taylor</i>		
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona	<i>MGC</i>		
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina	<i>Olga M.</i>		
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert	<i>JA</i>	<i>secretary</i>	
San Bernardino	Ericka Flores	<i>Ericka Flores</i>	<i>primary</i>	
Muscoy	Miguel A. Rivera	<i>Miguel A. Rivera</i>		
Muscoy	Christopher Alonso			

Nombre

Telefono

Firma

Olga Donado

~~Leffrick~~

~~MCS~~

~~for~~

Consul V. S. J. P.

January 17<sup>th</sup> 2019

PAC Center, Muscog



AB 617: Community Meeting -- San Bernardino / Muscog -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscog, CA 92407

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1	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
	Jeonghoon Lee	Prof.	KOREATECH & UC Riverside			
2	Loth Rosenfeld	Public Assistant	CCA			
3	L.Z. Schmidt	CARB Community Liaison				
4	Daisy Morales	<del>Executive</del> Resident				
5	Araceli Gamarr	Resident				
6	REMAN TENDINO	CARB				
7	Zhaoxi, Lin	CARB				
8	Sonia Vega	Health Educator	San Diego Co Dept of Public Health			
9	Luis Portillo	Stakeholder	Inland Empire Economic Partnership			
10	Amelcaet					





AB 617: Community Meeting -- San Bernardino / Muscoy -- January 17, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscoy, CA 92407

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Name Nombre	Title Titulo	Affiliation / Organization Afiliaación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Cynthia Pachillo		ChicceCA			
2 Verónica Brazos		ChicceCA			
3 Helena Hoyos		ChicceCA			
4 Yasser Varela		—			
5 Robert Hicks					
6 Kimberly Collins		CSUSB			
7 Juanita Cham		Rialto USD			
8 Libbeth Mansuel		Rialto USD			
9 Lorena Rodrigo					
10 Krystal Ramirez		Country of ID			



SENATOR CONNIE M. LEYVA  
TWENTIETH SENATE DISTRICT  
CALIFORNIA LEGISLATURE

**EDGAR CASTELAN**  
DISTRICT REPRESENTATIVE



**Peter Herzog**  
Assistant Director of Legislative Affairs



**NAIOP**  
COMMERCIAL REAL ESTATE  
DEVELOPMENT ASSOCIATION  
SOCAL CHAPTER



Board of Supervisors  
**JOSIE GONZALES, SUPERVISOR**  
Fifth District

**ERIKA WILLHITE**  
Field Representative



Public Health  
Nutrition Program

**SONIA J. VEGA, BS**  
Health Education Assistant



**Josh Lee**  
Chief of Planning





AB 617: Community Meeting -- San Bernardino / Muscogay -- February 21, 2019 -- 6:00 PM to 8:00 PM

PAL Center

2450 Blake Street, Muscogay, CA 92407

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Mark Abrenante	Board Consultant	Di-Hyo - SCA and		
2	Jenny Herbert	State Air Pollution Specialist	CARB		
3	L.Z. Schmidt	ARE	CARB		
4	Jones Pasmore				
5	DAISY MORALES	Public			
6	Araceli Ganner	Pablier			
7	Xivoxi Lin	CARB	CARB		
8	Pam Afando	CARB	CARB		
9					
10					



AB 617: Community Meeting -- San Bernardino / Muscoy -- February 21, 2019 -- 6:00 PM to 8:00 PM  
PAL Center

2450 Blake Street, Muscoy, CA 92407

Affiliation	Primary Member	Signature	Alternate Member	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez	
City of San Bernardino	Polonia Majas		Flor Murillo	
Omnitrans	Anna Jaiswal		Jeremiah Bryant	
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Otis Greer		Nicole Soto	
San Bernardino Valley College	Mary Valdemar			

Affiliation	Primary Member	Signature	Alternate Member	Signature
<b>Elected Officials</b>				
Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith	
<b>Business Representative</b>				
BNSF Railway Company	LaDonna DiCamillo			
Pacific Mountain Logistics - San Bernardino	B. J. Patterson			
Southern California Edison	Christopher Abel		Tammy Yamasaki	
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt	
Tacos Don Ramon	Angel Rodriguez			
<b>Community Organization</b>				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	Jason Martinez		Paula Alvarez Venegas	
Muscoy Action Committee	Jane Hunt-Ruble			
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores		Andrea Vidaurre	
Inland Region Equality Network	Angelica Balderas			
Safe Routes to School	Demi Espinoza			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Active residents (not representing a community organization or a business)

Affiliation	Primary Member	Signature	Alternate Member	Signature
San Bernardino	Joshua Bell			
San Bernardino	Valerie Dobesh			
San Bernardino	Matthew Taylor			
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona			
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina			
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert			
San Bernardino	Ada Trujillo			
Muscoy	Miguel A. Rivera			
Muscoy	Christopher Alonso			



AB 617: Community Meeting -- San Bernardino / Muscoy -- March 21, 2019 -- 6:00 PM to 8:00 PM  
 San Bernardino Valley College  
 701 S. Mt. Vernon Ave., San Bernardino, CA 92410

Affiliation	Primary Member	Signature	Alternate Member	Signature
Agencies, Schools, Universities, Hospitals				
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez	
City of San Bernardino	<del>Pateria-Majias</del> * Chantal Powers		Flor Murillo	
Omnitrans	Anna Jaiswal		Jeremiah Bryant	
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Olis Greer		Nicole Soto	
San Bernardino Valley College	* Mary Valdemar			

Active residents (not representing a community organization or a business)

San Bernardino	* Abram Gastelum	2	<i>Abram</i>		
San Bernardino	Valerie Dobesh	1	<i>Valerie Dobesh</i>		
San Bernardino	MATTHEW Matthew Taylor	1	<i>Matthew Taylor</i>		
San Bernardino	Ruben Garza	1			
San Bernardino	Maria G. Corona	2	<i>Maria G.</i>		
San Bernardino	Graciela Regalado	2	<i>Graciela Regalado</i>		
San Bernardino	Olga Medina	2	<i>Olga Medina</i>		
San Bernardino	Lorena Rodarte	2	<i>Lorena Rodarte</i>		
San Bernardino	James Albert	1	<i>James Albert</i>		
San Bernardino	Ada Trujillo	2	<i>Ada Trujillo</i>		
Muscovy	Miguel A. Rivera	1	<i>Miguel A. Rivera</i>		
Muscovy	Christopher Alonso	1	<i>Christopher Alonso</i>		

Elected Officials				
Assemblymember Eloise Reyes Office	Maha Rizvi	2		
Supervisor Josie Gonzales	Erika Willhite	1		Lisha B. Smith
Business Representative				
BNSF Railway Company	LaDonna DiCamillo	1		* Marisa Blackshire
Pacific Mountain Logistics - San Bernardino	B.J. Patterson	2		
Southern California Edison	<del>Thomas Gross</del> Christopher Abel	1		Tammy Yamasaki
Wyatt's Paint & Body, Inc.	Kris Wyatt	2		Randy Wyatt
Tacos Don Ramon	Angel Rodriguez	1		
Community Organization				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	Jason Martinez	2		Paula Alvarez Venegas
Muscoy Action Committee	Jane Hunt-Ruble	1		
Center for Community Action and Environmental Justice (CCA EJ)	Ericka Flores	2		Andrea Vidaurre
Sierra Club, My Generation	Angelica Balderas	1		
Safe Routes to School	Demi Espinoza	2		
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

*Paula Alvarez Venegas*  
*Randy Wyatt*

*Andrea Vidaurre*



**AB 617: Community Meeting -- San Bernardino / Muscogy -- March 21, 2019 -- 6:00 PM to 8:00 PM**

**San Bernardino Valley College - Room B100**

**701 S. Mt. Vernon Ave., San Bernardino, CA 92410**

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	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	Watersen Hankins	AIR Resources supervisor	CARRS			
2	JASON BUCKNER	Professor SATE	SBCV			
3	Lyndell					
4	Laura Zschmidt	ARB				
5	Jeremy Herbold	ARB	CARRB			
6	Zhaoxi Lin	ARB	CARRB			
7	Daralle Amara	MPH EPI	LCU			
8	DAISY MORALES					
9	Araceli Gomez					
10	R-AND Astorio	ARB	CARRS			



AB 617: Community Meeting -- San Bernardino / Muscovy -- March 21, 2019 -- 6:00 PM to 8:00 PM

San Bernardino Valley College - Room B100

701 S. Mt. Vernon Ave., San Bernardino, CA 92410

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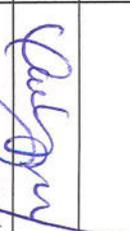
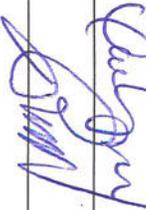
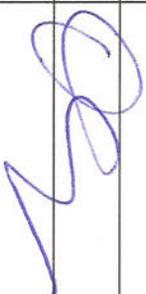
POR FAVOR ESCRIBA CLARAMENTE Y COMPLETA TODAS LAS SECCIONES

Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Mesa Washington			[REDACTED]	[REDACTED]	[REDACTED]
2 Lesunier	Professor	UCR FAS			
3 Elsan Castellon	Field Representative	Senator Connie Leyva			
4 Olivera Rodriguez	Community Liaison	LLUH			
5 Luis Portillo	Director of Public Policy	ICEP			
6 Orlando S.					
7 Scott Anderson	Dr. Sustains	ACLIMA			
8					
9					
10					

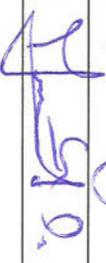
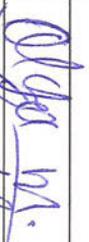


AB 617: Community Meeting -- San Bernardino / Muscocy -- April 18, 2019 -- 6:00 PM to 8:00 PM  
 PAL Charter Academy  
 1671 N. Sierra Way, San Bernardino, CA 92405

Affiliation	Primary Member	Signature	Alternate Member	Signature
San Bernardino County Land Use Planning Manager	Karen Watkins		Suzanne Peterson	
San Bernardino County Department of Public Health	Bernadette Beltran		Corwin Porter	
California State University San Bernardino	Andreas Beyersdorf		Rudy Morales Gamez	
City of San Bernardino	Chantal Power		Elizabeth Mora-Rodriguez	
Omnitrans	Anna Jaiswal		Jeremiah Bryant	
Loma Linda University School of Public Health	Dr. Rhonda Spencer-Hwang		Dr. Ryan Sinclair	
San Bernardino County Transit Authority	Otis Greer		Nicole Soto	
San Bernardino Valley College	Mary Valdemar			

Elected Officials				
Assemblymember Eloise Reyes Office	Maha Rizvi			
Supervisor Josie Gonzales	Erika Willhite		Lisha B. Smith	
Business Representative				
BNSF Railway Company	LaDonna DiCamillo			
Pacific Mountain Logistics - San Bernardino	B. J. Patterson			
Southern California Edison	Christopher Abel		Tammy Yamasaki	
Wyatt's Paint & Body, Inc.	Kris Wyatt		Randy Wyatt	
Tacos Don Ramon	Angel Rodriguez			
Community Organization				
Chicano Indigenous Community for Culturally Conscious Advocacy and Action (ChicCCAA)	Jason Martinez		Paula Alvarez Venegas	
Muscoy Action Committee	Jane Hunt-Ruble			
Center for Community Action and Environmental Justice (CCA EJ)	Erica Flores		Andrea Vidaurre	
Sierra Club, My Generation	Angelica Balderas			
Safe Routes to School	Demi Espinoza			
California League of Conservation Voters Education (CLCV ED) Fund	Matt Abularach-Macias			

Active residents (not representing a community organization or a business)

San Bernardino	Abram Gastelum			
San Bernardino	Valerie Dobesh			
San Bernardino	Mathew Taylor			
San Bernardino	Ruben Garza			
San Bernardino	Maria G. Corona			
San Bernardino	Graciela Regalado			
San Bernardino	Olga Medina			
San Bernardino	Lorena Rodarte			
San Bernardino	James Albert			
San Bernardino	Ada Trujillo			
Muscoy	Miguel A. Rivera			
Muscoy	Christopher Alonso			



**AB 617: Community Meeting -- San Bernardino / Muscoy -- April 18, 2019 -- 6:00 PM to 8:00 PM**

**PAL Charter Academy**

**1671 N. Sierra Way, San Bernardino, CA 92405**

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Heather Davis	CAAB				
2 Anuska	CAAB				
3 Krystal Ramirez	John Tech	SRCS			
4 Melissa Flores					
5 Mark Abramowitz	Pres.	Community Environmental Services			
6 Robert Vitconti	Keridon				
7 Josh Lee	SECTA				
8 Xixoni Lin	CAAB				
9 Andy Skoff	SB County				
10 Veronica Bels					



**AB 617: Community Meeting -- San Bernardino / Muscoy -- April 18, 2019 -- 6:00 PM to 8:00 PM**

**PAL Charter Academy**

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	Name Nombre	Title Título	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1	<i>Christina</i>					
2	<i>Arabella Garner</i>					
3	<i>Daisy Morales</i>					
4	<i>ORLANDO SAIVAS</i>					
5	<i>Z-LAN ANAHO</i>					
6	<i>Steven Sellack</i>					
7	<i>Luis Portillo</i>					
8	<i>Crystal Bouckou</i>					
9	<i>Angie Balderras</i>					
10						



**Terry Allen**

State Strategy Section  
Community Planning Branch  
Office of Community Air Protection



**Christopher Lovett, Ph.D.**

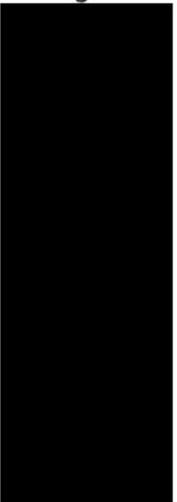
Air Resources Engineer  
Community Assessment Section  
Office of Community Air Protection



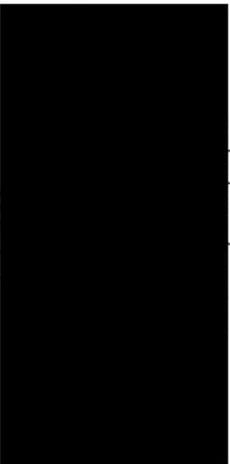
South Coast  
**AQMD**  
[www.aqmd.gov](http://www.aqmd.gov)

South Coast  
Air Quality Management District  
recycled paper

**ANDREW SILVA**  
Board Consultant to Janice Rutherford  
Governing Board Member  
Supervisor, County of San Bernardino



**Chris Chavez**  
Deputy Policy Director





AB 617: Community ID Meeting --- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM

Hutton Community Center  
660 Colton Avenue, Colton, CA 92324

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Christina Bridgman	Chamber Coordinator	Chamber of Commerce	[REDACTED]	[REDACTED]	[REDACTED]
2 Rebecca Gallegos	Utilities Planning Manager	City of Colton	[REDACTED]	[REDACTED]	[REDACTED]
3 Jessica Sotomayor	Env. Cons. Supervisor	City of Colton	[REDACTED]	[REDACTED]	[REDACTED]
4 Yafira Cox	-	UC Irvine	[REDACTED]	[REDACTED]	[REDACTED]
5 Joe YBARRA	Board	City of Colton	[REDACTED]	[REDACTED]	[REDACTED]
6 Kianina Maldonado	Field Rep	SB County Board of Supervisors	[REDACTED]	[REDACTED]	[REDACTED]
7 Andrea Hawlin	Field Rep	Legislator Pete Aguilar	[REDACTED]	[REDACTED]	[REDACTED]
8 Olga Castellon	Field Rep	Senator Conde Henry	[REDACTED]	[REDACTED]	[REDACTED]
9 Luis Rofills	Director	IEEP	[REDACTED]	[REDACTED]	[REDACTED]
10 Edgar Astorga	govern. & community relations Asst.	CSUSB	[REDACTED]	[REDACTED]	[REDACTED]



AB 617: Community ID Meeting -- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM

Hutton Community Center

660 Colton Avenue, Colton, CA 92324

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Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
1 Henry Vásquez	Community Member	Native American Community Council SBY Riv. Counties			
2 Nicolas Zupkalska	Resident				
3 Kristine Scott	Public Affairs manager	Sealers			
4 Jaron MARTINEZ	Org.	CHICCA			
5 Luz Valdez	SI-Dir. Public Affairs	UP			
6 Mary Valderama					
7 Susan Stark					
8 Mahar Rizvi					
9 Asher Jones		Chicceca			
10					



**AB 617: Community ID Meeting --- San Bernardino County -- May 29, 2019 -- 6:00 to 8:00 PM**

**Hutton Community Center**

**660 Colton Avenue, Colton, CA 92324**

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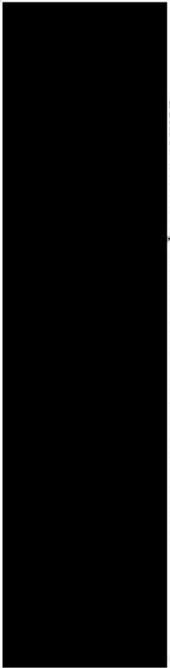
1	Name Nombre	Title Titulo	Affiliation / Organization Afilación / Organización	Email Correo Electrónico	Phone Teléfono	Address/City/Zip Dirección/Ciudad/Código Postal
2	DARBY OSUNA	Counselor	APART-SSC			
3	Emily Vasquez		resident of colton			
4	Amy Vasquez		resident of colton			
5						
6						
7						
8						
9						
10						



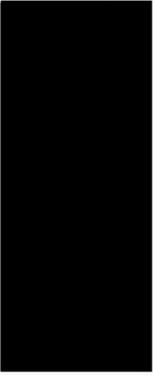
Representative Pete Aguilar  
31st District, California

Andrea Harlin

Senior Field Representative / Grants Coordinator



Susan Stark  
Regulatory Affairs Manager  
Policy and Regulatory Affairs



SENATOR CONNIE M. LEYVA  
TWENTIETH SENATE DISTRICT  
CALIFORNIA LEGISLATURE

EDGAR CASTELAN  
DISTRICT REPRESENTATIVE



Office of Government and Community Relations

Edgar A. Astorga, MBA  
Government and Community Relations Assistant



APAIT  
A DIVISION OF SPECIAL SERVICES FOR SENIORS



Darby Osnaya  
Prevention Service Navigator



ELOISE GÓMEZ REYES  
ASSEMBLYMEMBER, FORTY-FIFTH DISTRICT

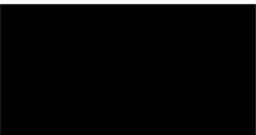
MAHA RIZVI  
FIELD REPRESENTATIVE



Yanaq Interpreting

Myrna Yanez  
Court Certified  
Spanish, English

Interpreting



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# APPENDIX 3A: COMMUNITY PROFILE

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## Appendix 3a: Community Profile

### Information on the Best Available Retrofit Control Technology and AB 2588 Program

AB 617 requires air districts to implement Best Available Retrofit Control Technology (BARCT) for facilities in the state greenhouse gas cap-and-trade program by December 31, 2023. The San Bernardino, Muscoy community has facilities that are subject to BARCT, specifically larger facilities that are in the REgional Clean Air Incentives Market (RECLAIM) program. In addition, CARB's Blueprint states that facilities located within the community with Risk Reduction Plans under the Assembly Bill (AB) 2588 program must be identified. Descriptions of the facilities that are subject to BARCT (specifically RECLAIM facilities) and the AB 2588 program are provided below.

### Best Available Retrofit Control Technology (BARCT)

#### *RECLAIM facilities*

Facilities within the RECLAIM program are typically larger facilities that have NO<sub>x</sub> emissions greater than four tons per year. The RECLAIM program<sup>1</sup> uses a market-based approach to achieve emission reductions from facilities for nitrogen oxides (NO<sub>x</sub>) and sulfur oxides (SO<sub>x</sub>) in the aggregate. However, an analysis of the RECLAIM program has shown that the ability to achieve NO<sub>x</sub> emission reductions using a market-based approach has diminished; therefore, pursuant to Board direction, RECLAIM NO<sub>x</sub> facilities will transition<sup>i</sup> to a command-and-control regulatory structure to ensure facilities meet BARCT. RECLAIM facilities that are also in the State greenhouse gas cap-and-trade program are subject to the BARCT requirements of AB 617. South Coast AQMD staff completed an analysis of the equipment at each RECLAIM facility, giving higher priority to older, higher polluting units that will need to install retrofit controls. The higher polluting units at RECLAIM facilities will be or have been evaluated for BARCT and will be subject to the following South Coast AQMD rules: Rules 1109.1,<sup>2</sup> 1110.2,<sup>3</sup> 1117,<sup>4</sup> 1118.1,<sup>5</sup> 1134,<sup>6</sup> 1135,<sup>7</sup> 1146, 1146.1, 1146.2,<sup>8</sup> 1147, 1147.1,<sup>9</sup> and 1147.2.<sup>10</sup> A BARCT assessment includes an evaluation of emission limits for existing units, South Coast AQMD regulatory requirements, other regulatory requirements, and pollution control technologies. Table Appendix 3a-1 list the RECLAIM facilities that may be subject to BARCT and whether they are in the State cap-and-trade program.

---

<sup>i</sup> For more information on the RECLAIM transition please see: <http://www.aqmd.gov/home/rules-compliance/reclaim-transition>.

Table Appendix 3a-1: List of NOx RECLAIM facilities within the San Bernardino, Muscoy community

RECLAIM Facility Name	Facility Address	Cap-and-Trade Facility (Yes/No)
MARS PETCARE U.S., INC.	2765 LEXINGTON WAY SUITE 400, SAN BERNARDINO	No

*Non-RECLAIM facilities*

As a result of the BARCT assessment conducted for RECLAIM facilities, some equipment at non-RECLAIM facilities will also be affected and will be required to meet BARCT NOx emissions. The BARCT assessment is still currently being conducted for a number of rules and the list of affected non-RECLAIM facilities that may be subject to additional requirements is being developed.

[AB 2588 Program](#)

The AB 2588 Program<sup>11</sup> is a statewide program that requires air districts to establish emissions inventory of air toxics from individual facilities.<sup>ii</sup> The AB 2588 program is implemented in South Coast AQMD through Rule 1402 – Control of Toxic Air Contaminants from Existing Sources<sup>12</sup> which requires certain facilities to conduct Health Risk Assessments to assess the health risk (long-term versus short-term) to the surrounding community. Facilities are required to submit Health Risk Assessments<sup>13</sup> based upon the toxicity and volume of toxic air contaminants released within proximity to potential receptors (e.g., hospitals, residences, work sites). Depending on the risk, facilities may be required to do public notices and hold a public meeting. If a facility is determined to exceed the significant risk level, as determined by each air district, they are required to reduce this risk by submitting a Risk Reduction Plan (RRP).<sup>14</sup> The RRP outlines what measures (e.g., high-efficiency particulate air (HEPA) filters) the facility will incorporate to reduce their risk. (Some facilities may be subject to the AB 2588 program, but do not exceed the action risk threshold and therefore are not required to submit a RRP.) Some facilities may also choose to voluntarily reduce their risk by submitting a voluntary RRP (VRRP).<sup>iii</sup> If a facility has an approved VRRP, the risks will be reduced below the voluntary risk threshold. Table Appendix 3a-2<sup>iv</sup> shows facilities within the San Bernardino, Muscoy community that are currently in the AB 2588 program in the South Coast AQMD. This table includes the facility name, location address, and the most recent status under the AB 2588 program. Facilities in the AB 2588 program without

<sup>ii</sup> The South Coast AQMD’s AB 2588 Program incorporates the requirements of the state AB 2588 program, as well as additional and/or more stringent requirements.

<sup>iii</sup> Some facilities may have submitted applications for a VRRP; however, if the facility is found to be already under the voluntary risk threshold, no further reduction measures are required.

<sup>iv</sup> Facilities listed in the table are reducing risk or in the process of reducing risk.

a RRP or VRRP will have the prioritization level (High, Intermediate, or Low)<sup>v</sup> and what year the prioritization was conducted listed as the status. Prioritization is based on reporting every four years.

Table Appendix 3a-2: List of facilities in the AB 2588 program within the San Bernardino, Muscoy community

Facility Name	Facility Address	Status within the AB 2588 Program
ST. BERNARDINE MEDICAL CENTER	2101 N WATERMAN AVE, SAN BERNARDINO	Prioritization from 2017 - Intermediate
CALMAT CO	2400 W HIGHLAND AVE, SAN BERNARDINO	Prioritization from 2017 - Low

## References

1. South Coast AQMD, RECLAIM, <http://www.aqmd.gov/home/programs/business/business-detail?title=reclaim>, Accessed July 29, 2019.
2. South Coast AQMD, PR 1109.1: Refinery Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1109.1>, Accessed July 29, 2019.
3. South Coast AQMD, PAR 1110.2: Emissions from Gaseous and Liquid-Fueled Engines, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1110.2>, Accessed July 29, 2019.
4. South Coast AQMD, Rule 1117: Emissions of Oxides of Nitrogen from Glass Melting Furnaces, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1117.pdf>, Accessed July 30, 2019.
5. South Coast AQMD, PR 1118.1: Control of Emissions from Non-Refinery Flares, <https://www.aqmd.gov/home/rules-compliance/compliance/r1118-1>, Accessed July 29, 2019.
6. South Coast AQMD, PAR 1134: Emissions of Oxides of Nitrogen, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1134>, Accessed July 29, 2019.
7. South Coast AQMD, PAR 1135: Emissions of Oxides of Nitrogen from Electricity Generating Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1135>, Accessed July 29, 2019.

<sup>v</sup> Facilities designated as high priority are required to submit Heath Risk Assessments to assess the risk to their surrounding community. Facilities ranked as Intermediate priority are required to submit a complete toxics inventory once every four years. Facilities ranked as low priority are exempt from reporting.

8. South Coast AQMD, PAR 1146, 1146.1, 1146.2: Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters; Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters; and - Implementation Schedule for NOx Facilities, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1146>, Accessed July 29, 2019.
9. South Coast AQMD, PAR 1147, 1147.1: NOx Reductions from Miscellaneous Sources, NOx Reductions from Large Miscellaneous Combustion, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147>, Accessed July 29, 2019.
10. South Coast AQMD, PAR 1147.2: NOx Reductions from Metal Processing Equipment, <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules#1147.2>, Accessed July 29, 2019.
11. South Coast AQMD, Air Toxics “Hot Spots” Program (AB 2588), <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588>, Accessed July 19, 2019.
12. South Coast AQMD, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1402.pdf>, Accessed August 9, 2019.
13. South Coast AQMD, Health Risk Assessment, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/health-risk-assessment>, Accessed July 19, 2019.
14. South Coast AQMD, Risk Reduction, <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588/risk-reduction>, Accessed July 19, 2019.

---

# APPENDIX 3B:

## SOURCE ATTRIBUTION

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**2017 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.03	0.03	0.01	0.17	0.00	0.03	0.02	0.01	0.00	0.00
30	Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	28.39	4.75	12.49	16.90	0.27	0.91	0.91	0.90	7.04	0.17
52	Food and Agricultural Processing	0.95	0.42	1.87	3.33	0.05	0.49	0.46	0.46	0.23	0.00
60	Service and Commercial	58.19	12.52	21.10	51.78	1.90	4.83	4.81	4.80	5.13	0.50
99	Other (Fuel Combustion)	0.28	0.20	4.17	1.49	0.01	0.15	0.13	0.12	0.06	0.01
<b>Total Fuel Combustion</b>		<b>87.85</b>	<b>17.92</b>	<b>39.65</b>	<b>73.67</b>	<b>2.23</b>	<b>6.40</b>	<b>6.33</b>	<b>6.29</b>	<b>12.46</b>	<b>0.68</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	2.68	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00
120	Landfills	1843.16	25.80	0.00	0.00	0.00	0.00	0.00	0.00	5.69	0.00
130	Incineration	0.12	0.02	0.11	0.10	0.00	0.02	0.02	0.02	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	21.15	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
<b>Total Waste Disposal</b>		<b>1867.11</b>	<b>29.43</b>	<b>0.11</b>	<b>0.10</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>6.44</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	63.60	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	68.71	66.31	0.00	0.00	0.00	3.91	3.75	3.62	0.15	0.00
240	Printing	1.29	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
250	Adhesives and Sealants	15.94	13.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	6.25	3.68	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>163.96</b>	<b>97.93</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.92</b>	<b>3.76</b>	<b>3.63</b>	<b>0.27</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	41.30	41.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>41.33</b>	<b>41.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
410	Chemical	8.63	6.04	0.00	0.00	0.00	0.87	0.74	0.68	0.00	0.10
420	Food and Agriculture	2.24	1.82	1.16	1.30	0.01	1.48	0.72	0.30	0.05	0.00
430	Mineral Processes	1.98	1.98	0.00	0.00	0.00	111.92	72.96	45.14	0.23	0.37
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.03	0.00	6.69
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	7.99	5.59	3.35	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	7.24	7.07	0.01	0.55	0.00	1.52	0.61	0.28	13.44	0.01
<b>Total Industrial Processes</b>		<b>20.10</b>	<b>16.91</b>	<b>1.17</b>	<b>1.85</b>	<b>0.01</b>	<b>123.84</b>	<b>80.66</b>	<b>49.78</b>	<b>13.72</b>	<b>7.17</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	315.94	260.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	37.09	34.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.64	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
540	Asphalt Paving/Roofing	5.09	4.84	0.00	0.00	0.00	0.06	0.06	0.06	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>359.76</b>	<b>302.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

## 2017 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.79	37.92	44.31	198.49	1.29	28.10	26.60	25.79	0.30	0.56
620	Farming Operations	85.12	4.30	0.00	0.00	0.00	2.04	1.05	0.24	29.43	0.08
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	90.81	44.41	4.45	0.00	101.16
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	734.92	335.86	50.71	0.00	182.26
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	10.78	4.94	0.74	0.00	1.85
660	Fires	1.48	1.01	0.35	13.79	0.00	1.87	1.83	1.73	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.42	0.01	0.44	0.43	0.41	0.05	0.02
690	Cooking	7.21	5.04	0.00	0.00	0.00	29.72	29.72	29.72	0.00	8.28
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.20	0.00
	RECLAIM			3.39		0.00					
<b>Total Miscellaneous Processes</b>		<b>181.14</b>	<b>48.57</b>	<b>48.15</b>	<b>215.70</b>	<b>1.30</b>	<b>900.21</b>	<b>445.75</b>	<b>113.88</b>	<b>116.98</b>	<b>294.82</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	99.81	90.32	72.21	929.76	1.82	27.95	27.37	11.54	15.98	4.84
722	Light Duty Trucks 1 (T1)	26.67	24.44	17.51	174.25	0.17	2.32	2.26	1.01	1.58	0.49
723	Light Duty Trucks 2 (T2)	56.70	51.54	53.70	471.45	0.80	9.35	9.15	3.88	7.82	1.67
724	Medium Duty Trucks (T3)	51.25	46.41	48.82	418.14	0.76	7.46	7.30	3.10	9.39	1.35
732	Light Heavy Duty Gas Trucks 1 (T4)	10.49	9.90	8.63	38.19	0.10	1.07	1.05	0.44	0.84	0.15
733	Light Heavy Duty Gas Trucks 2 (T5)	1.59	1.51	1.52	5.34	0.02	0.24	0.24	0.10	0.14	0.03
734	Medium Heavy Duty Gas Trucks (T6)	1.52	1.34	2.39	14.30	0.03	0.26	0.25	0.11	0.08	0.03
736	Heavy Heavy Duty Gas Trucks (HHD)	1.50	1.20	4.72	28.57	0.01	0.03	0.03	0.01	0.01	0.01
742	Light Heavy Duty Diesel Trucks 1 (T4)	1.07	0.94	30.60	8.91	0.05	1.16	1.14	0.59	0.03	0.13
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.35	0.30	9.42	2.84	0.02	0.47	0.46	0.23	0.01	0.05
744	Medium Heavy Duty Diesel Truck (T6)	4.59	4.03	72.74	21.00	0.22	5.77	5.70	3.82	0.59	0.37
746	Heavy Heavy Duty Diesel Trucks (HHD)	14.03	9.85	213.95	73.43	0.72	8.36	8.28	5.41	1.22	0.87
750	Motorcycles (MCY)	25.53	22.78	5.95	115.51	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	4.49	0.31	1.86	30.27	0.00	0.07	0.07	0.03	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.08	0.15	0.01	0.06	0.05	0.02	0.02	0.01
771	Gas School Buses (SB)	0.12	0.09	0.14	1.07	0.00	0.12	0.12	0.05	0.01	0.01
772	Diesel School Buses (SB)	0.09	0.08	5.38	0.44	0.01	0.57	0.56	0.26	0.02	0.06
777	Gas Other Buses (OB)	0.27	0.23	0.59	2.73	0.01	0.09	0.09	0.04	0.03	0.01
778	Motor Coaches	0.07	0.06	1.08	0.37	0.00	0.05	0.05	0.04	0.00	0.00
779	Diesel Other Buses (OB)	0.15	0.13	1.54	0.57	0.00	0.13	0.13	0.10	0.01	0.01
780	Motor Homes (MH)	0.27	0.22	1.59	3.95	0.02	0.20	0.20	0.10	0.04	0.02
<b>Total On-Road Motor Vehicles</b>		<b>300.57</b>	<b>265.69</b>	<b>554.42</b>	<b>2341.24</b>	<b>4.78</b>	<b>65.81</b>	<b>64.58</b>	<b>30.92</b>	<b>37.86</b>	<b>10.15</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	19.24	16.14	342.25	83.76	0.31	6.28	6.29	5.74	0.23	0.38
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	17.20	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	10.98	10.97	0.01	0.54	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	131.05	115.36	153.47	1289.74	0.17	10.72	10.27	8.81	0.17	9.43
870	Farm Equipment	0.33	0.28	1.20	2.93	0.00	0.07	0.07	0.07	0.00	0.01
890	Fuel Storage and Handling	18.56	18.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>197.36</b>	<b>178.44</b>	<b>496.93</b>	<b>1376.98</b>	<b>0.48</b>	<b>17.07</b>	<b>16.63</b>	<b>14.62</b>	<b>0.40</b>	<b>9.82</b>
Total Stationary and Area Sources		2721.25	554.20	89.09	291.32	3.54	1034.45	536.57	173.66	149.88	302.67
Total On-Road Vehicles		300.57	265.69	554.42	2341.24	4.78	65.81	64.58	30.92	37.86	10.15
Total Other Mobile		197.36	178.44	496.93	1376.98	0.48	17.07	16.63	14.62	0.40	9.82
<b>Total</b>		<b>3219.18</b>	<b>998.33</b>	<b>1140.44</b>	<b>4009.54</b>	<b>8.80</b>	<b>1117.33</b>	<b>617.78</b>	<b>219.20</b>	<b>188.14</b>	<b>322.64</b>

**2024 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.03	0.03	0.02	0.19	0.00	0.03	0.02	0.01	0.00	0.00
30	Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	29.64	5.12	13.13	18.29	0.30	0.97	0.96	0.95	7.31	0.19
52	Food and Agricultural Processing	1.01	0.45	1.99	3.54	0.05	0.52	0.50	0.49	0.24	0.00
60	Service and Commercial	64.04	13.42	22.41	56.57	2.22	5.33	5.31	5.30	5.42	0.55
99	Other (Fuel Combustion)	0.24	0.16	3.61	1.33	0.01	0.13	0.12	0.10	0.06	0.01
<b>Total Fuel Combustion</b>		<b>94.96</b>	<b>19.17</b>	<b>41.17</b>	<b>79.92</b>	<b>2.58</b>	<b>6.97</b>	<b>6.90</b>	<b>6.85</b>	<b>13.02</b>	<b>0.75</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	3.02	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00
120	Landfills	1969.36	27.57	0.00	0.00	0.00	0.00	0.00	0.00	6.08	0.00
130	Incineration	0.13	0.02	0.11	0.11	0.00	0.02	0.02	0.02	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	27.23	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
<b>Total Waste Disposal</b>		<b>1999.74</b>	<b>31.94</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>6.93</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	72.10	14.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	80.40	77.58	0.00	0.00	0.00	4.46	4.28	4.13	0.16	0.00
240	Printing	1.37	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
250	Adhesives and Sealants	18.08	15.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	6.84	4.04	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>188.01</b>	<b>113.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.47</b>	<b>4.29</b>	<b>4.14</b>	<b>0.29</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	35.81	35.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>35.84</b>	<b>35.73</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
410	Chemical	9.76	6.83	0.00	0.00	0.00	0.98	0.84	0.77	0.00	0.11
420	Food and Agriculture	2.38	1.94	1.23	1.38	0.01	1.57	0.77	0.32	0.06	0.00
430	Mineral Processes	2.22	2.22	0.00	0.00	0.00	114.37	73.99	45.96	0.25	0.42
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.03	0.00	7.33
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	8.96	6.27	3.76	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	7.84	7.66	0.01	0.62	0.00	1.64	0.66	0.31	13.44	0.01
<b>Total Industrial Processes</b>		<b>22.21</b>	<b>18.65</b>	<b>1.24</b>	<b>2.00</b>	<b>0.01</b>	<b>127.60</b>	<b>82.57</b>	<b>51.15</b>	<b>13.75</b>	<b>7.86</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	328.74	271.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	39.38	37.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.74	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
540	Asphalt Paving/Roofing	6.24	5.92	0.00	0.00	0.00	0.08	0.07	0.07	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>376.10</b>	<b>316.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>0.07</b>	<b>0.07</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

## 2024 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.62	37.85	38.69	197.91	1.31	27.99	26.49	25.68	0.30	0.58
620	Farming Operations	61.56	3.17	0.00	0.00	0.00	1.48	0.78	0.20	21.58	0.05
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	111.25	54.40	5.45	0.00	123.93
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	781.10	356.96	53.90	0.00	193.71
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	8.07	3.71	0.55	0.00	1.52
660	Fires	1.45	0.99	0.34	13.44	0.00	1.85	1.81	1.71	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.42	0.01	0.44	0.43	0.41	0.05	0.02
690	Cooking	8.15	5.69	0.00	0.00	0.00	33.57	33.57	33.57	0.00	9.35
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.57	0.00
	RECLAIM			2.64		0.00					
<b>Total Miscellaneous Processes</b>		<b>158.32</b>	<b>48.00</b>	<b>41.77</b>	<b>214.77</b>	<b>1.32</b>	<b>967.28</b>	<b>479.06</b>	<b>121.56</b>	<b>112.50</b>	<b>329.77</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	59.30	55.38	34.36	575.36	1.59	29.83	29.23	12.22	13.92	5.00
722	Light Duty Trucks 1 (T1)	11.73	11.00	5.86	67.91	0.12	1.95	1.91	0.81	1.07	0.35
723	Light Duty Trucks 2 (T2)	37.69	35.28	23.09	275.55	0.66	9.87	9.67	4.05	7.03	1.68
724	Medium Duty Trucks (T3)	29.36	27.41	18.36	196.35	0.52	6.26	6.13	2.57	6.61	1.06
732	Light Heavy Duty Gas Trucks 1 (T4)	4.90	4.69	3.60	13.66	0.06	0.67	0.65	0.28	0.43	0.09
733	Light Heavy Duty Gas Trucks 2 (T5)	1.01	0.97	0.87	2.68	0.02	0.19	0.18	0.08	0.08	0.02
734	Medium Heavy Duty Gas Trucks (T6)	0.77	0.69	0.94	5.95	0.03	0.28	0.27	0.11	0.09	0.03
736	Heavy Heavy Duty Gas Trucks (HHD)	0.31	0.23	1.45	10.69	0.01	0.02	0.02	0.01	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.61	0.53	12.85	5.01	0.04	0.94	0.93	0.45	0.03	0.11
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.23	0.20	4.50	1.89	0.02	0.45	0.44	0.21	0.01	0.05
744	Medium Heavy Duty Diesel Truck (T6)	0.19	0.17	31.87	3.46	0.24	4.31	4.24	1.82	0.80	0.49
746	Heavy Heavy Duty Diesel Trucks (HHD)	6.15	2.54	136.74	64.16	0.78	6.36	6.29	2.70	1.61	1.02
750	Motorcycles (MCY)	25.27	22.39	5.76	101.73	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	2.80	0.04	0.22	34.12	0.00	0.06	0.06	0.02	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.05	0.13	0.01	0.06	0.05	0.02	0.02	0.01
771	Gas School Buses (SB)	0.12	0.09	0.13	0.93	0.00	0.15	0.15	0.06	0.01	0.02
772	Diesel School Buses (SB)	0.06	0.05	3.98	0.41	0.01	0.56	0.55	0.24	0.02	0.06
777	Gas Other Buses (OB)	0.29	0.26	0.42	2.13	0.01	0.11	0.10	0.04	0.03	0.01
778	Motor Coaches	0.01	0.01	0.42	0.15	0.00	0.04	0.04	0.02	0.01	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.52	0.05	0.00	0.06	0.06	0.03	0.01	0.01
780	Motor Homes (MH)	0.10	0.08	0.78	1.00	0.01	0.13	0.13	0.06	0.03	0.01
<b>Total On-Road Motor Vehicles</b>		<b>180.91</b>	<b>162.02</b>	<b>286.77</b>	<b>1363.32</b>	<b>4.14</b>	<b>62.38</b>	<b>61.18</b>	<b>25.84</b>	<b>31.86</b>	<b>10.06</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	12.12	10.17	242.44	90.14	0.34	3.95	3.95	3.62	0.25	0.24
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	13.99	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	9.85	9.84	0.02	0.68	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	129.06	112.85	111.97	1426.00	0.22	8.12	7.65	6.33	0.23	10.21
870	Farm Equipment	0.23	0.19	0.85	2.94	0.00	0.05	0.05	0.05	0.00	0.01
890	Fuel Storage and Handling	14.75	14.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>180.00</b>	<b>161.73</b>	<b>355.28</b>	<b>1519.77</b>	<b>0.56</b>	<b>12.12</b>	<b>11.65</b>	<b>10.00</b>	<b>0.48</b>	<b>10.46</b>
Total Stationary and Area Sources		2875.18	582.94	84.29	296.80	3.92	1106.42	572.91	183.78	146.49	338.38
Total On-Road Vehicles		180.91	162.02	286.77	1363.32	4.14	62.38	61.18	25.84	31.86	10.06
Total Other Mobile		180.00	161.73	355.28	1519.77	0.56	12.12	11.65	10.00	0.48	10.46
<b>Total</b>		<b>3236.09</b>	<b>906.69</b>	<b>726.34</b>	<b>3179.89</b>	<b>8.62</b>	<b>1180.92</b>	<b>645.74</b>	<b>219.62</b>	<b>178.83</b>	<b>358.90</b>

**2029 Annual Average Emissions by Source Category in San Bernardino, Muscoy**

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
<b>Fuel Combustion</b>											
10	Electric Utilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.03	0.03	0.02	0.19	0.00	0.03	0.02	0.01	0.00	0.00
30	Oil and Gas Production (combustion)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	28.65	5.11	13.12	18.46	0.31	0.94	0.93	0.93	7.00	0.19
52	Food and Agricultural Processing	1.03	0.46	2.02	3.62	0.05	0.53	0.50	0.50	0.24	0.00
60	Service and Commercial	66.30	13.29	22.30	57.76	2.41	5.55	5.53	5.52	5.21	0.54
99	Other (Fuel Combustion)	0.24	0.16	3.63	1.33	0.01	0.13	0.12	0.10	0.06	0.01
<b>Total Fuel Combustion</b>		<b>96.26</b>	<b>19.05</b>	<b>41.10</b>	<b>81.36</b>	<b>2.78</b>	<b>7.17</b>	<b>7.10</b>	<b>7.06</b>	<b>12.52</b>	<b>0.74</b>
<b>Waste Disposal</b>											
110	Sewage Treatment	3.25	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
120	Landfills	2077.78	29.09	0.00	0.00	0.00	0.00	0.00	0.00	6.41	0.00
130	Incineration	0.13	0.02	0.11	0.11	0.00	0.02	0.02	0.02	0.01	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	29.54	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00
<b>Total Waste Disposal</b>		<b>2110.70</b>	<b>33.80</b>	<b>0.11</b>	<b>0.11</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>7.29</b>	<b>0.00</b>
<b>Cleaning and Surface Coatings</b>											
210	Laundering	9.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	76.20	15.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	87.09	84.01	0.00	0.00	0.00	4.76	4.57	4.41	0.17	0.00
240	Printing	1.42	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
250	Adhesives and Sealants	19.10	16.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	7.13	4.21	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
<b>Total Cleaning and Surface Coatings</b>		<b>200.86</b>	<b>121.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.77</b>	<b>4.58</b>	<b>4.42</b>	<b>0.31</b>	<b>0.00</b>
<b>Petroleum Production and Marketing</b>											
310	Oil and Gas Production	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	32.66	32.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Petroleum Production and Marketing</b>		<b>32.69</b>	<b>32.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Industrial Processes</b>											
410	Chemical	10.22	7.14	0.00	0.00	0.00	1.03	0.88	0.80	0.00	0.11
420	Food and Agriculture	2.44	1.98	1.26	1.41	0.01	1.61	0.78	0.33	0.06	0.00
430	Mineral Processes	2.39	2.39	0.00	0.00	0.00	116.02	74.68	46.51	0.26	0.45
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.03	0.00	7.64
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	9.37	6.56	3.93	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	8.31	8.12	0.01	0.66	0.00	1.71	0.69	0.32	13.44	0.01
<b>Total Industrial Processes</b>		<b>23.35</b>	<b>19.62</b>	<b>1.27</b>	<b>2.08</b>	<b>0.01</b>	<b>129.81</b>	<b>83.64</b>	<b>51.92</b>	<b>13.76</b>	<b>8.21</b>
<b>Solvent Evaporation</b>											
510	Consumer Products	333.40	275.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	39.73	37.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
540	Asphalt Paving/Roofing	6.81	6.47	0.00	0.00	0.00	0.09	0.08	0.08	0.00	0.00
<b>Total Solvent Evaporation</b>		<b>381.69</b>	<b>321.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.09</b>	<b>0.08</b>	<b>0.08</b>	<b>0.01</b>	<b>0.00</b>

(Continued)

## 2029 Annual Average Emissions by Source Category in San Bernardino, Muscoy

CODE	Source Category	TOG (tons/year)	VOC (tons/year)	NOx (tons/year)	CO (tons/year)	SOx (tons/year)	TSP (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)	NH3 (tons/year)	Pb (lbs/year)
Miscellaneous Process											
610	Residential Fuel Combustion	86.53	37.81	34.77	197.57	1.32	27.92	26.42	25.61	0.30	0.58
620	Farming Operations	61.56	3.17	0.00	0.00	0.00	1.48	0.78	0.20	21.58	0.05
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	121.40	59.37	5.95	0.00	135.24
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	809.79	370.07	55.88	0.00	200.83
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	1.53	0.91	0.09	0.00	0.40
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	6.60	3.04	0.45	0.00	1.33
660	Fires	1.40	0.95	0.32	12.81	0.00	1.81	1.77	1.67	0.00	0.21
670	Waste Burning and Disposal	0.54	0.30	0.10	3.43	0.01	0.45	0.44	0.41	0.05	0.02
690	Cooking	8.76	6.12	0.00	0.00	0.00	36.11	36.11	36.11	0.00	10.06
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.59	0.00
	RECLAIM			2.64		0.00					
<b>Total Miscellaneous Processes</b>		<b>158.79</b>	<b>48.35</b>	<b>37.83</b>	<b>213.81</b>	<b>1.33</b>	<b>1007.09</b>	<b>498.91</b>	<b>126.37</b>	<b>112.52</b>	<b>348.72</b>
On-Road Motor Vehicles											
710	Light Duty Passenger Auto (LDA)	47.80	45.20	26.85	494.34	1.38	30.55	29.95	12.40	13.45	4.93
722	Light Duty Trucks 1 (T1)	7.45	7.06	3.34	45.11	0.10	1.87	1.84	0.77	0.97	0.32
723	Light Duty Trucks 2 (T2)	30.51	28.90	15.56	229.61	0.56	10.16	9.96	4.14	7.14	1.66
724	Medium Duty Trucks (T3)	21.73	20.59	10.80	142.72	0.41	5.94	5.82	2.42	6.13	0.97
732	Light Heavy Duty Gas Trucks 1 (T4)	3.43	3.31	2.10	8.34	0.04	0.54	0.53	0.22	0.30	0.07
733	Light Heavy Duty Gas Trucks 2 (T5)	0.78	0.75	0.64	2.12	0.01	0.18	0.18	0.07	0.07	0.02
734	Medium Heavy Duty Gas Trucks (T6)	0.66	0.61	0.68	4.74	0.03	0.31	0.30	0.13	0.10	0.04
736	Heavy Heavy Duty Gas Trucks (HHD)	0.19	0.14	1.04	9.91	0.00	0.02	0.02	0.01	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.45	0.39	6.46	3.71	0.04	0.89	0.88	0.40	0.03	0.11
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.19	0.17	2.54	1.59	0.02	0.47	0.46	0.22	0.01	0.06
744	Medium Heavy Duty Diesel Truck (T6)	0.20	0.18	35.21	4.23	0.25	4.93	4.84	2.08	0.92	0.56
746	Heavy Heavy Duty Diesel Trucks (HHD)	6.48	2.65	143.30	75.85	0.80	7.34	7.25	3.06	1.90	1.19
750	Motorcycles (MCY)	25.27	22.29	5.74	98.24	0.01	0.08	0.08	0.04	0.04	0.03
760	Diesel Urban Buses (UB)	2.60	0.04	0.19	33.88	0.00	0.06	0.06	0.02	0.00	0.01
762	Gas Urban Buses (UB)	0.01	0.01	0.04	0.14	0.00	0.06	0.06	0.02	0.02	0.01
771	Gas School Buses (SB)	0.14	0.10	0.12	0.93	0.00	0.17	0.17	0.07	0.01	0.02
772	Diesel School Buses (SB)	0.04	0.04	2.71	0.40	0.01	0.55	0.54	0.24	0.02	0.06
777	Gas Other Buses (OB)	0.31	0.28	0.34	1.86	0.01	0.11	0.11	0.05	0.04	0.01
778	Motor Coaches	0.01	0.01	0.42	0.18	0.00	0.04	0.04	0.02	0.01	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.53	0.06	0.00	0.07	0.07	0.03	0.01	0.01
780	Motor Homes (MH)	0.05	0.05	0.49	0.43	0.01	0.11	0.11	0.05	0.03	0.01
<b>Total On-Road Motor Vehicles</b>		<b>148.30</b>	<b>132.77</b>	<b>259.10</b>	<b>1158.39</b>	<b>3.68</b>	<b>64.45</b>	<b>63.27</b>	<b>26.46</b>	<b>31.21</b>	<b>10.09</b>
Other Mobile Sources											
810	Aircraft	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	9.24	7.75	168.10	95.38	0.36	2.78	2.78	2.55	0.26	0.17
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	11.85	11.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	8.61	8.60	0.02	0.73	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	133.17	116.26	93.53	1512.02	0.22	7.27	6.76	5.47	0.23	10.80
870	Farm Equipment	0.20	0.17	0.67	3.00	0.00	0.04	0.04	0.04	0.00	0.02
890	Fuel Storage and Handling	12.88	12.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>175.95</b>	<b>157.46</b>	<b>262.32</b>	<b>1611.14</b>	<b>0.58</b>	<b>10.09</b>	<b>9.58</b>	<b>8.06</b>	<b>0.49</b>	<b>10.99</b>
Total Stationary and Area Sources		3004.33	596.02	80.31	297.35	4.12	1148.96	594.33	189.87	146.41	357.67
Total On-Road Vehicles		148.30	132.77	259.10	1158.39	3.68	64.45	63.27	26.46	31.21	10.09
Total Other Mobile		175.95	157.46	262.32	1611.14	0.58	10.09	9.58	8.06	0.49	10.99
<b>Total</b>		<b>3328.58</b>	<b>886.25</b>	<b>601.73</b>	<b>3066.88</b>	<b>8.38</b>	<b>1223.50</b>	<b>667.18</b>	<b>224.39</b>	<b>178.11</b>	<b>378.75</b>



(Continued)

## 2017 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)

CODE	Source Category	2017 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)																		Diesel PM (DPM)			
		Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloroethylene	Vinyl chloride	Trichloroethylene	Chlorinated dibenzofurans	PAH (Benzo(a)pyrene)	Asbestos	Cadmium	Hexavalent Chromium	Nickel		Arsenic	Beryllium	Lead
Miscellaneous Process																							
610	Residential Fuel Combustion	570.64	0.00	0.00	0.00	0.00	0.00	0.00	7881.96	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	7.03	0.19	0.00	0.56	0.00	
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.02	0.00	0.08	0.00	
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.81	0.00	10.72	3.09	0.00	101.16	0.00	
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	0.00	17.64	19.11	0.00	182.26	0.00	
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.05	0.00	0.40	0.00	
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	1.09	0.34	0.00	1.85	0.00	
660	Fires	0.00	27.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00	
670	Waste Burning and Disposal	2.93	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00	
690	Cooking	37.96	48.02	0.00	0.00	0.00	0.00	0.00	770.55	0.00	0.00	0.00	0.00	0.00	1.20	0.11	0.00	1.91	0.11	0.00	8.28	0.00	
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total Miscellaneous Processes</b>		<b>611.53</b>	<b>85.56</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8652.51</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.20</b>	<b>1.22</b>	<b>9.11</b>	<b>0.00</b>	<b>38.60</b>	<b>22.93</b>	<b>0.00</b>	<b>294.82</b>	<b>0.00</b>
On-Road Motor Vehicles																							
710	Light Duty Passenger Auto (LDA)	4717.42	566.22	0.00	0.00	0.00	0.00	0.00	1974.10	0.00	0.00	0.00	0.00	0.00	0.00	0.12	2.69	29.85	0.47	0.00	4.84	116.00	
722	Light Duty Trucks 1 (T1)	1180.28	115.37	0.00	0.00	0.00	0.00	0.00	441.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	2.37	0.04	0.00	0.49	18.00	
723	Light Duty Trucks 2 (T2)	2643.33	308.19	0.00	0.00	0.00	0.00	0.00	1069.82	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.90	9.96	0.16	0.00	1.67	6.00	
724	Medium Duty Trucks (T3)	2471.93	319.80	0.00	0.00	0.00	0.00	0.00	1078.93	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.72	7.95	0.13	0.00	1.35	24.00	
732	Light Heavy Duty Gas Trucks 1 (T4)	418.08	29.59	0.00	0.00	0.00	0.00	0.00	115.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.27	0.02	0.00	0.15	0.00	
733	Light Heavy Duty Gas Trucks 2 (T5)	62.28	4.13	0.00	0.00	0.00	0.00	0.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.29	0.00	0.00	0.03	0.00	
734	Medium Heavy Duty Gas Trucks (T6)	78.17	7.65	0.00	0.00	0.00	0.00	0.00	33.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.31	0.00	0.00	0.03	0.00	
736	Heavy Heavy Duty Gas Trucks (HHD)	95.00	7.90	0.00	0.00	0.00	0.00	0.00	51.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.00	
742	Light Heavy Duty Diesel Trucks 1 (T4)	42.90	4.07	0.00	0.00	0.00	0.00	0.00	315.47	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	1.09	0.02	0.00	0.13	460.00	
743	Light Heavy Duty Diesel Trucks 2 (T5)	13.89	1.32	0.00	0.00	0.00	0.00	0.00	102.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.47	0.01	0.00	0.05	154.00	
744	Medium Heavy Duty Diesel Truck (T6)	183.73	17.45	0.00	0.00	0.00	0.00	0.00	1351.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.35	3.78	0.06	0.00	0.37	5408.00	
746	Heavy Heavy Duty Diesel Trucks (HHD)	561.48	53.31	0.00	0.00	0.00	0.00	0.00	4128.75	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.36	3.86	0.06	0.00	0.87	8126.00	
750	Motorcycles (MCY)	1407.59	221.22	0.00	0.00	0.00	0.00	0.00	859.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.03	0.00	
760	Diesel Urban Buses (UB)	179.89	17.08	0.00	0.00	0.00	0.00	0.00	1322.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.01	6.00	
762	Gas Urban Buses (UB)	0.80	0.08	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00	
771	Gas School Buses (SB)	8.47	0.57	0.00	0.00	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.16	0.00	0.00	0.01	0.00	
772	Diesel School Buses (SB)	3.68	0.35	0.00	0.00	0.00	0.00	0.00	27.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	76.00	
777	Gas Other Buses (OB)	14.53	1.43	0.00	0.00	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.00	0.01	0.00	
778	Motor Coaches	2.72	0.26	0.00	0.00	0.00	0.00	0.00	20.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	52.00	
779	Diesel Other Buses (OB)	5.88	0.56	0.00	0.00	0.00	0.00	0.00	43.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.01	170.00	
780	Motor Homes (MH)	16.06	1.17	0.00	0.00	0.00	0.00	0.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.21	0.00	0.00	0.02	56.00	
<b>Total On-Road Motor Vehicles</b>		<b>14108.11</b>	<b>1677.72</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12974.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.28</b>	<b>5.69</b>	<b>62.72</b>	<b>0.98</b>	<b>0.00</b>	<b>10.15</b>	<b>14672.00</b>	
Other Mobile Sources																							
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
820	Trains	770.14	73.13	0.00	0.00	0.00	0.00	0.00	5663.12	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.04	0.20	0.05	0.00	0.38	12564.00	
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
840	Recreational Boats	250.25	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
850	Off-Road Recreational Vehicles	124.75	1.20	0.00	0.00	0.00	0.00	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
860	Off-Road Equipment	6290.77	1348.53	0.00	0.00	0.00	0.00	0.00	9502.44	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.21	9.44	0.02	0.00	9.43	12450.00	
870	Farm Equipment	12.75	1.72	0.00	0.00	0.00	0.00	0.00	63.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	134.00	
890	Fuel Storage and Handling	203.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total Other Mobile Sources</b>		<b>7652.63</b>	<b>1424.88</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>15233.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.20</b>	<b>0.25</b>	<b>9.65</b>	<b>0.07</b>	<b>0.00</b>	<b>9.82</b>	<b>25148.00</b>	
Total Stationary and Area Sources		3888.25	2675.22	0.38	0.00	0.02	36.18	0.00	13259.75	20476.68	5975.73	401.52	1363.40	0.00	61.62	1.22	21.30	0.03	134.71	32.36	0.05	302.67	118.00
Total On-Road Vehicles		14108.11	1677.72	0.00	0.00	0.00	0.00	0.00	12974.57	0.00	0.00	0.00	0.00	0.00	0.00	0.28	5.69	62.72	0.98	0.00	10.15	14672.00	
Total Other Mobile		7652.63	1424.88	0.00	0.00	0.00	0.00	0.00	15233.35	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.25	9.65	0.07	0.00	9.82	25148.00	
<b>Total</b>		<b>25648.99</b>	<b>5777.82</b>	<b>0.38</b>	<b>0.00</b>	<b>0.02</b>	<b>36.18</b>	<b>0.00</b>	<b>41467.67</b>	<b>20476.68</b>	<b>5975.73</b>	<b>401.52</b>	<b>1363.40</b>	<b>0.00</b>	<b>61.62</b>	<b>1.22</b>	<b>22.78</b>	<b>5.97</b>	<b>207.08</b>	<b>33.41</b>	<b>0.05</b>	<b>322.64</b>	<b>39938.00</b>



(Continued)

## 2024 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)

CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloro- ethylene	Vinyl chloride	Trichloro- ethylene	Chlorinated dibenzofurans	PAH (Benzo(a)pyrene)	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Miscellaneous Process																							
610	Residential Fuel Combustion	557.36	0.00	0.00	0.00	0.00	0.00	0.00	7855.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	6.87	0.20	0.00	0.58	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.05	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.67	0.00	13.13	3.78	0.00	123.93	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.69	0.00	18.75	20.31	0.00	193.71	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.05	0.00	0.40	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.82	0.26	0.00	1.52	0.00
660	Fires	0.00	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00
670	Waste Burning and Disposal	3.23	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00
690	Cooking	42.87	54.24	0.00	0.00	0.00	0.00	0.00	870.41	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.12	0.00	2.15	0.12	0.00	9.35	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Miscellaneous Processes</b>		<b>603.46</b>	<b>91.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8726.27</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.35</b>	<b>1.43</b>	<b>10.15</b>	<b>0.00</b>	<b>41.90</b>	<b>24.75</b>	<b>0.00</b>	<b>329.77</b>	<b>0.00</b>
On-Road Motor Vehicles																							
710	Light Duty Passenger Auto (LDA)	2503.86	293.82	0.00	0.00	0.00	0.00	0.00	896.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	2.89	32.07	0.50	0.00	5.00	50.00
722	Light Duty Trucks 1 (T1)	470.80	42.55	0.00	0.00	0.00	0.00	0.00	147.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	2.06	0.03	0.00	0.35	8.00
723	Light Duty Trucks 2 (T2)	1558.64	167.63	0.00	0.00	0.00	0.00	0.00	522.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.96	10.59	0.17	0.00	1.68	4.00
724	Medium Duty Trucks (T3)	1232.58	138.92	0.00	0.00	0.00	0.00	0.00	433.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.61	6.71	0.11	0.00	1.06	18.00
732	Light Heavy Duty Gas Trucks 1 (T4)	182.63	10.42	0.00	0.00	0.00	0.00	0.00	39.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.79	0.01	0.00	0.09	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	37.32	2.35	0.00	0.00	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
734	Medium Heavy Duty Gas Trucks (T6)	36.11	3.46	0.00	0.00	0.00	0.00	0.00	13.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.34	0.01	0.00	0.03	0.00
736	Heavy Heavy Duty Gas Trucks (HHHD)	20.73	1.18	0.00	0.00	0.00	0.00	0.00	10.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	24.25	2.30	0.00	0.00	0.00	0.00	0.00	178.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.95	0.02	0.00	0.11	268.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	9.32	0.89	0.00	0.00	0.00	0.00	0.00	68.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.47	0.01	0.00	0.05	114.00
744	Medium Heavy Duty Diesel Truck (T6)	7.64	0.73	0.00	0.00	0.00	0.00	0.00	56.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	5.12	0.08	0.00	0.49	262.00
746	Heavy Heavy Duty Diesel Trucks (HHHD)	246.08	23.37	0.00	0.00	0.00	0.00	0.00	1809.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	5.04	0.07	0.00	1.02	1398.00
750	Motorcycles (MCY)	1375.60	200.08	0.00	0.00	0.00	0.00	0.00	799.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.03	0.00
760	Diesel Urban Buses (UB)	112.26	10.66	0.00	0.00	0.00	0.00	0.00	825.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	4.00
762	Gas Urban Buses (UB)	0.48	0.05	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
771	Gas School Buses (SB)	8.72	0.62	0.00	0.00	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.00	0.00	0.02	0.00
772	Diesel School Buses (SB)	2.44	0.23	0.00	0.00	0.00	0.00	0.00	17.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	44.00
777	Gas Other Buses (OB)	13.75	1.30	0.00	0.00	0.00	0.00	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.00	0.00	0.01	0.00
778	Motor Coaches	0.36	0.03	0.00	0.00	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	8.00
779	Diesel Other Buses (OB)	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.01	8.00
780	Motor Homes (MH)	5.28	0.31	0.00	0.00	0.00	0.00	0.00	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.00	0.01	32.00
<b>Total On-Road Motor Vehicles</b>		<b>7848.93</b>	<b>900.91</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5845.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.22</b>	<b>5.93</b>	<b>65.88</b>	<b>1.02</b>	<b>0.00</b>	<b>10.06</b>	<b>2218.00</b>
Other Mobile Sources																							
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	485.20	46.07	0.00	0.00	0.00	0.00	0.00	3567.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.02	0.13	0.03	0.00	0.24	7904.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	206.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	112.04	1.10	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	6564.79	1449.51	0.00	0.00	0.00	0.00	0.00	9014.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.21	10.23	0.01	0.00	10.21	6438.00
870	Farm Equipment	9.65	1.40	0.00	0.00	0.00	0.00	0.00	46.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	96.00
890	Fuel Storage and Handling	162.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>7539.79</b>	<b>1498.34</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12633.29</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.72</b>	<b>0.23</b>	<b>10.37</b>	<b>0.04</b>	<b>0.00</b>	<b>10.46</b>	<b>14438.00</b>
Total Stationary and Area Sources		3980.77	3020.67	0.40	0.00	0.03	38.71	0.00	13586.97	22064.10	2968.74	429.13	1440.67	0.00	68.96	1.43	24.07	0.03	138.37	36.24	0.06	338.38	82.00
Total On-Road Vehicles		7848.93	900.91	0.00	0.00	0.00	0.00	0.00	5845.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	5.93	65.88	1.02	0.00	10.06	2218.00
Total Other Mobile		7539.79	1498.34	0.00	0.00	0.00	0.00	0.00	12633.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.23	10.37	0.04	0.00	10.46	14438.00
<b>Total</b>		<b>19369.49</b>	<b>5419.92</b>	<b>0.40</b>	<b></b>																		



(Continued)

## 2029 Toxic Emissions by Major Source Category in San Bernardino, Muscoy (lbs/year)

CODE	Source Category	Benzene	1,3 Butadiene	Carbon tetrachloride	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methylene chloride	Perchloro- ethylene	Vinyl chloride	Trichloro- ethylene	Chlorinated dibenzofurans	PAH (Benzo(a)pyrene)	Asbestos	Cadmium	Hexavalent Chromium	Nickel	Arsenic	Beryllium	Lead	Diesel PM (DPM)
Miscellaneous Process																							
610	Residential Fuel Combustion	549.68	0.00	0.00	0.00	0.00	0.00	0.00	7840.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	6.78	0.20	0.00	0.58	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.05	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	0.00	14.33	4.13	0.00	135.24	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86	0.00	19.43	21.05	0.00	200.83	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.05	0.00	0.40	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.67	0.21	0.00	1.33	0.00
660	Fires	0.00	26.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.21	0.00
670	Waste Burning and Disposal	3.54	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.00	0.02	0.00
690	Cooking	46.12	58.35	0.00	0.00	0.00	0.00	0.00	936.32	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.13	0.00	2.32	0.13	0.00	10.06	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Miscellaneous Processes</b>		<b>599.34</b>	<b>94.37</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8777.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.45</b>	<b>1.58</b>	<b>10.70</b>	<b>0.00</b>	<b>43.71</b>	<b>25.80</b>	<b>0.00</b>	<b>348.72</b>	<b>0.00</b>
On-Road Motor Vehicles																							
710	Light Duty Passenger Auto (LDA)	1906.02	208.10	0.00	0.00	0.00	0.00	0.00	613.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.99	33.13	0.51	0.00	4.93	26.00
722	Light Duty Trucks 1 (T1)	284.96	24.60	0.00	0.00	0.00	0.00	0.00	80.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18	2.01	0.03	0.00	0.32	2.00
723	Light Duty Trucks 2 (T2)	1192.48	119.46	0.00	0.00	0.00	0.00	0.00	360.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.99	10.99	0.17	0.00	1.66	4.00
724	Medium Duty Trucks (T3)	846.34	85.85	0.00	0.00	0.00	0.00	0.00	261.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.58	6.42	0.10	0.00	0.97	12.00
732	Light Heavy Duty Gas Trucks 1 (T4)	120.91	5.87	0.00	0.00	0.00	0.00	0.00	21.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.64	0.01	0.00	0.07	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	28.22	1.69	0.00	0.00	0.00	0.00	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
734	Medium Heavy Duty Gas Trucks (T6)	30.63	3.13	0.00	0.00	0.00	0.00	0.00	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.38	0.01	0.00	0.04	0.00
736	Heavy Heavy Duty Gas Trucks (HHHD)	13.89	0.83	0.00	0.00	0.00	0.00	0.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	17.89	1.70	0.00	0.00	0.00	0.00	0.00	131.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.94	0.01	0.00	0.11	178.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	7.76	0.74	0.00	0.00	0.00	0.00	0.00	57.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.50	0.01	0.00	0.06	102.00
744	Medium Heavy Duty Diesel Truck (T6)	8.16	0.78	0.00	0.00	0.00	0.00	0.00	60.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	5.87	0.09	0.00	0.56	270.00
746	Heavy Heavy Duty Diesel Trucks (HHHD)	259.29	24.62	0.00	0.00	0.00	0.00	0.00	1906.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	5.92	0.09	0.00	1.19	1414.00
750	Motorcycles (MCY)	1382.18	196.68	0.00	0.00	0.00	0.00	0.00	797.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.00	0.03	0.00
760	Diesel Urban Buses (UB)	104.09	9.88	0.00	0.00	0.00	0.00	0.00	765.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	4.00
762	Gas Urban Buses (UB)	0.48	0.05	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.01	0.00
771	Gas School Buses (SB)	9.70	0.68	0.00	0.00	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.02	0.00
772	Diesel School Buses (SB)	1.68	0.16	0.00	0.00	0.00	0.00	0.00	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.70	0.01	0.00	0.06	26.00
777	Gas Other Buses (OB)	13.64	1.26	0.00	0.00	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00	0.00	0.01	0.00
778	Motor Coaches	0.36	0.03	0.00	0.00	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	6.00
779	Diesel Other Buses (OB)	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.01	6.00
780	Motor Homes (MH)	2.73	0.16	0.00	0.00	0.00	0.00	0.00	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.00	0.01	20.00
<b>Total On-Road Motor Vehicles</b>		<b>6231.53</b>	<b>686.28</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5108.55</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.17</b>	<b>6.15</b>	<b>68.55</b>	<b>1.04</b>	<b>0.00</b>	<b>10.09</b>	<b>2070.00</b>
Other Mobile Sources																							
810	Aircraft	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
820	Trains	369.78	35.11	0.00	0.00	0.00	0.00	0.00	2719.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.02	0.09	0.02	0.00	0.17	5550.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	176.65	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	98.51	1.15	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	6890.83	1538.06	0.00	0.00	0.00	0.00	0.00	8973.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.21	10.83	0.01	0.00	10.80	4126.00
870	Farm Equipment	8.62	1.31	0.00	0.00	0.00	0.00	0.00	39.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	76.00
890	Fuel Storage and Handling	141.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Other Mobile Sources</b>		<b>7685.93</b>	<b>1575.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>11736.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>	<b>0.23</b>	<b>10.94</b>	<b>0.03</b>	<b>0.00</b>	<b>10.99</b>	<b>9752.00</b>
Total Stationary and Area Sources		3902.31	3159.51	0.43	0.00	0.03	40.86	0.00	13504.32	22904.14	3075.77	452.79	1491.19	0.00	74.26	1.58	25.56	0.03	140.27	38.32	0.06	357.67	82.00
Total On-Road Vehicles		6231.53	686.28	0.00	0.00	0.00	0.00	0.00	5108.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	6.15	68.55	1.04	0.00	10.09	2070.00
Total Other Mobile		7685.93	1575.86	0.00	0.00	0.00	0.00	0.00	11736.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.23	10.94	0.03	0.00	10.99	9752.00
<b>Total</b>		<b>17819.77</b>	<b>5421.65</b>	<b>0.43</b>	<b>0.00</b>																		

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# APPENDIX 4:

## ENFORCEMENT SUMMARY

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## Appendix – Enforcement

### Authority and Legal Right to Issue Violations and Penalties

CARB and South Coast AQMD both have authority to conduct inspections of alleged air pollution sources, and the right to issue violations that can lead to civil and criminal penalties. CARB civil penalties can be up to \$250,000 per day; South Coast AQMD civil penalties can be up to \$75,000 per day for individuals and up to \$1,000,000 per day for corporations.<sup>i</sup> In cases with potential criminal violations, South Coast AQMD may refer matters to federal, state, and local prosecuting agencies. Inspection warrants also may be obtained if necessary when access to facilities or potential emissions sites is denied.

### South Coast AQMD Hearing Board

The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances. As state law requires, Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board.

The Hearing Board is authorized to hear:

- Petitions by companies for variances.
- Petitions for abatement orders. An abatement order requires a company operating out of compliance to take specific actions or to shut down its operation. This is a severe remedy normally reserved for serious violation.
- Appeals by companies regarding granting of permits, permit conditions, permit denials and suspensions, denials of emission reduction credits, and denials of pollution control plans.
- Appeals by third parties.

The Hearing Board is not authorized to:

- Modify rules.
- Exempt a business from complying with a rule.
- Grant a variance from a violation of the public nuisance law, such as one that creates an odor problem or threatens public health or property.
- Review a violation notice in any way.

After hearing all sides of a case in which individuals or companies come into conflict with South Coast AQMD rules, the Hearing Board weighs the evidence and reaches a decision. The following table lists all the active facilities with active or expired permits within the San Bernardino, Muscoy community.

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<sup>i</sup> Fines and penalties are cited at the maximum amounts for willful and intentional emissions of air contaminants that results in great bodily harm or death. CARB: [www.arb.ca.gov/enf/policy2017/final\\_enforcement\\_policy\\_october2017.pdf](http://www.arb.ca.gov/enf/policy2017/final_enforcement_policy_october2017.pdf)

South Coast AQMD: [www.aqmd.gov/nav/about/authority/enforcement](http://www.aqmd.gov/nav/about/authority/enforcement)

## South Coast AQMD Compliance History in SBM, January 2016 to December 2018

List of All Active Facilities with Active or Expired Permits in June 2019

Facility Name	Facility ID	Address	Technical Specialty (TS)	North American Industrial Classification System (NAICS)	
675 CENTRAL LLC	167627	675 EAST CENTRAL AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	531210	Offices of Real Estate Agents and Brokers
701 ARROWHEAD AVENUE LLC	176652	701 SOUTH ARROWHEAD AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	493110	General Warehousing and Storage
786 CENTRAL LLC	167626	786 EAST CENTRAL AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	561311	Employment Placement Agencies
7-ELEVEN #26934/JAGDIP SINGH	176507	3211 KENDALL DR SAN BERNARDINO 92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores
7-ELEVEN #37036	179301	1583 WEST BASELINE RD SAN BERNARDINO 92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	453220	Gift, Novelty, and Souvenir Stores
7-ELEVEN #37214	183094	510 WATERMAN AVE. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447110	Gasoline Stations with Convenience Stores
ALERE PROPERTY GROUP LLC	153070	5690 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	531390	Other Activities Related to Real Estate
ALL AUTO COLLISON & PAINT, INC.	132791	741 WEST BASELINE RD. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
AMERICAN WOVEN WIRE CORP	135913	784 SOUTH LUGO AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	332618	Other Fabricated Wire Product Manufacturing

ANITA'S MEXICAN FOOD CORPORATION	175226	3454 NORTH MIKE DALEY DR SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	311919	Other Snack Food Manufacturing
ANTHEM OIL INC	182846	1933 WEST HIGHLAND AVE. SAN BERNARDINO 92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	454310	Fuel Dealers
APRO LLC DBA UNITED OIL #136	177930	235 EAST BASELINE AVE. SAN BERNARDINO 92401	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
ARCO AM/PM	167961	542 NORTH MOUNT VERNON AVE. SAN BERNARDINO 92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
ARCO TIPPECANOE PETROLEUM PROJECT	178205	806 SOUTH TIPPECANOE AVE. SAN BERNARDINO 92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	811112	Automotive Exhaust System Repair
AT & T COMM INC (SAN BERNARDINO)	45068	455 2ND ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	517911	Telecommunications Resellers
ATCO 2000 INC	148939	5486 INDUSTRIAL PKY #A SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
BARAJAS COLLISION CTR, LLC	166321	233 SOUTH MT VERNON AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
BASELINE AM/PM	162537	794 WEST BASELINE ST. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447100	Gasoline stations with convenience stores

BATE'S AUTO BODY	122131	161 WEST MILL ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
BERDOO COLOR WORKS	91158	411 SOUTH SIERRA WAY SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
BEST CLEANERS	82515	624 WEST 4TH ST. SAN BERNARDINO 92410	TS-12 Industrial Sources - Out of Business and Change of Ownership	812320	Drycleaning and Laundry Services (except Coin-Operated)
BIG Z AUTO WORKS	52065	274 NORTH I ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	488410	Motor Vehicle Towing
BIONIC AUTO BODY	40304	1091 ACACIA ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
BJ OIL, INC	183039	847 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447110	Gasoline Stations with Convenience Stores
BLOOD BANK SAN BERNARDINO & RIVERSIDE CO	80070	384 ORANGE SHOW RD SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	621991	Blood and Organ Banks
BNSF RAILWAY COMPANY	178593	1500 WEST RIALTO AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	482111	Line-Haul Railroads
BOHEMIAN DISTRIBUTING CO	34645	544 SOUTH CRESENT ST. SAN BERNARDINO 92410	TS-12 Industrial Sources - Out of Business and Change of Ownership	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers

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BURLINGTON NORTHERN/SANTA FE RAILWAY CO	102284	1535 WEST 4TH ST. SAN BERNARDINO 92411	TS-57 Toxics: R203 VOC Extraction	488510	Freight Transportation Arrangement
BURRTEC WASTE INDUSTRIES, INC.- JACK'S DI	181097	5455 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector- based Inspections	562212	Solid Waste Landfill
C & S AUTO	172790	1582 WEST 4TH ST. SAN BERNARDINO 92411	TS-11 Industrial: Sector- based Inspections	811111	General Automotive Repair
CAL ST, HWY PATROL	34643	2211 WESTERN AVE. SAN BERNARDINO 92411	TS-11 Industrial: Sector- based Inspections	922120	Police Protection
CALIBER BODYWORKS INC.,CALIBER COLLISION	122223	1197 EAST 3RD ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
CALIF DEPT OF TRANSPORTATION, CALTRANS	137200	175 CLUSTER ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector- based Inspections	926120	Regulation and Administration of Transportation Programs
CALIFORNIA PORTLAND CEMENT CO.	62645	2400 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-11 Industrial: Sector- based Inspections	327310	Cement Manufacturing
CALMAT CO	34281	2400 WEST HIGHLAND AVE. SAN BERNARDINO 92407	TS-11 Industrial: Sector- based Inspections	212321	Construction Sand and Gravel Mining
CALMAT CO	108457	2340 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-11 Industrial: Sector- based Inspections	324121	Asphalt Paving Mixture and Block Manufacturing
CALTRANS DIST 8	162293	464 WEST 4TH ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector- based Inspections	926120	Regulation and Administration of Transportation Programs
CATELLUS DEVEL CORP	142840	570 EAST MILL ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector- based Inspections	237210	Land Subdivision

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CHARTER COMMUNICATIONS	174590	4370 NORTH HALLMARK PKY #107 SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	517919	All Other Telecommunications
CITY OF COLTON, WATER DIVISION-RIALTO	131095	194 S. Muscott St. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	924110	Administration of Air and Water Resource and Solid Waste Management Programs
CITY OF RIVERSIDE, PUB UTILITIES DEPT	114800	1275 TIPPECANOE AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
CITY OF RIVERSIDE, PUBLIC UTILITIES DEPT	114799	24370 6TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
CITY OF SAN BERN, CITY YARD	65891	182 SOUTH SIERRA WAY SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	488490	Other Support Activities for Road Transportation
CO SAN BERNARDINO	67485	670 EAST GILBERT ST. SAN BERNARDINO 92404	TS-11 Industrial: Sector-based Inspections	524127	Direct Title Insurance Carriers
COLLISION CENTER OF SAN BERNARDINO	178172	909 WEST 21ST ST. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
COMMUNITY HOSPITAL OF SAN BERNARDINO	17722	1805 MEDICAL CENTER DR. SAN BERNARDINO 92411	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
C-PAK INDUSTRIES INC	120469	4925 HALLMARK PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	326199	All Other Plastics Product Manufacturing

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CROWN PRINTERS	71355	250 WEST RIALTO AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	323111	Commercial Printing (except Screen and Books)
D & W FINE PACK INC	49933	4162 GEORGIA BLVD. SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	326199	All Other Plastics Product Manufacturing
DAMAS CAPITAL INVESTMENTS, INC.	181468	702 WEST SECOND ST. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	811112	Automotive Exhaust System Repair
DAN LEMAY WEST COAST COLLISION CENTER	137049	179 WEST MILL ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
DOWNTOWN AUTO CENTER	99849	460 WEST NINTH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
E & R AUTO BODY, ELKIN HERNANDEZ DBA	80622	273 SOUTH ARROWHEAD SAN BERNARDINO 92411	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
ELLIOTT PRECISION BLOCK CO	15018	157 RANCHO AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	327331	Concrete Block and Brick Manufacturing
ENVISIONING FUTURE INC.	160632	295 NORTH WATERMAN AVE. SAN BERNARDINO 92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)
EVANS FUEL	90737	1995 NOLAN ST. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	237110	Water and Sewer Line and Related Structures Construction

F & M BAINS, INC., RAJINDER SINGH	157919	3890 NORTH UNIVERSITY PKY SAN BERNARDINO 92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores
FAIRVIEW FORD SALES INC	20509	292 NORTH G ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	441110	New Car Dealers
FARMDALE CREAMERY INC	84687	1049 WEST BASELINE ST. SAN BERNARDINO 92411	TS-11 Industrial: Sector- based Inspections	424490	Other Grocery and Related Products Merchant Wholesalers
FOOD N' FUEL	117766	1055 NORTH WATERMAN AVE. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
FOREVER 21, INC.	165558	500 INLAND CENTER DR SAN BERNARDINO 92408	TS-11 Industrial: Sector- based Inspections	448120	Women's Clothing Stores
G & M OIL CO #119	136014	906 NORTH WATERMAN AVE. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
G & M OIL CO, LLC #47	101640	501 INLAND CENTER DR SAN BERNARDINO 92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
G & M OIL CO, LLC #67	115360	187 NORTH F ST. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
GABORKO ELECTRIC, INC.DBA.C & M ELECTRIC	173983	1356 WEST RIALTO AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	238210	Electrical Contractors and Other Wiring Installation Contractors
GAGE CANAL COMPANY	94998	1271 S. Tippecanoe Ave. SAN BERNARDINO 92408	TS-11 Industrial: Sector- based Inspections	221310	Water Supply and Irrigation Systems

GATEWAY PET CEMETERY	62081	3850 FRONTAGE RD SAN BERNARDINO 92412	TS-11 Industrial: Sector-based Inspections	812210	Funeral Homes and Funeral Services
GLOBAL ENVIRONMENTAL PRODUCTS	176547	5405 INDUSTRIAL SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	336120	Heavy Duty Truck Manufacturing
H & M OIL	185414	605 NORTH H ST. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	324110	Petroleum Refineries
HIGHLAND AVENUE ARCO, ALFRED DAHER	158844	189 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
HIGHLAND SHELL, NABIL SAADE	170528	1108 HIGHLAND SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
HOLLIDAY TRUCKING, INC	18323	2300 WEST BASELINE RD. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	327320	Ready-Mix Concrete Manufacturing
HOLLYWOOD PLAZA ASSOCIATES LLC	160725	5685 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	561499	All Other Business Support Services
HOME DEPOT, THE	85776	1055 WEST 21ST ST. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	444110	Home Centers
INLAND BUILDING CONSTRUCTION CO, INC	151668	323 SOUTH SIERRA WAY SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	236220	Commercial and Institutional Building Construction
INLAND PACIFIC PETRO, UNIV SHELL CAR WASH	153509	3909 HALLMARK PKY SAN BERNARDINO 92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
INTERCHANGE BUSINESS CENTER, LLC	177226	1651 WEST INTERCHANGE DR. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	493110	General Warehousing and Storage
ISOLATEK INTERNATIONAL INC	156517	4062 GEORGIA BLVD SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	212312	Crushed and Broken Limestone Mining and Quarrying

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JUN IRON WORKS	103147	2292 NORTH CABRERA AVE. SAN BERNARDINO 92411	TS-11 Industrial: Sector-based Inspections	332323	Ornamental and Architectural Metal Work Manufacturing
KHAN SHELL	155291	907 WEST MILL ST. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
KOHL'S DEPARTMENT STORES	132826	890 EAST MILL ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	452111	Department Stores
KOHL'S E-COMMERCE FULFILLMENT CENTER	165179	825 EAST CENTRAL AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	452111	Department Stores
KOMAL OIL INC	180676	424 WEST MILL COLTON 92324	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
LBA REALTY FUND III - COMPANY IV-E, LLC	154433	2612 SHENANDOAH WAY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
LEVEL 3 COMMUNICATIONS, LL3	124568	5705 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	517110	Wired Telecommunications Carriers
LKQ PICK A PART - SAN BERNARDINO/LKQ MID	170162	434 EAST 6TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
MACY'S INC	166126	400 INLAND CENTER DR SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	452111	Department Stores
MAGNUM ABRASIVES INC	90055	758 SOUTH ALLEN ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	327910	Abrasive Product Manufacturing

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MAPEI CORPORATION	137145	5415 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	238340	Tile and Terrazzo Contractors
MATICH CORP	71605	VARIOUS LOCATIONS IN SCAQMD SAN BERNARDINO 92412	TS-20 Industrial: Various Locations Equipment	237310	Highway, Street, and Bridge Construction
MATICH CORPORATION	153264	3231 EAST 3RD ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers
MCCRAY ENTERPRISES, RICKEY L MCCRAY DBA	98864	24268 5TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
MICHELIN/ HILLWOOD	151162	3525 NORTH MIKE DALEY DR SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	441320	Tire Dealers
MILL STREET BODY & FRAME	43730	595 EAST MILL ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
MJS MARKET	133947	2795 MACY ST. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	445120	Convenience Stores
MORRISON-HOPE INC	54728	205 SOUTH ARROWHEAD AVE. SAN BERNARDINO 92408	TS-12 Industrial Sources - Out of Business and Change of Ownership	236220	Commercial and Institutional Building Construction
MT. VIEW CEMETERY	8660	570 EAST HIGHLAND AVE. SAN BERNARDINO 92404	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
NATIONAL TECHNICAL SYSTEMS	177039	3505 EAST THIRD ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	541380	Testing Laboratories
NEPTUNE SOCIETY OF RIVERSIDE, ROD HILDEB	170317	298 SOUTH PERSHING AVE. STE. 6 SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	441310	Automotive Parts and Accessories Stores

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NINO'S NUMBER ONE INC	170035	457 WEST 10TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	445299	All Other Specialty Food Stores
NUCKLES OIL CO, INC., MERIT OIL CO., DBA	112769	1405 WEST RIALTO AVE. SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
OMNI TRANS	123764	234 SOUTH I ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	485113	Bus and Other Motor Vehicle Transit Systems
OMNITRANS	39979	1700 WEST 5TH ST. SAN BERNARDINO 92411	TS-11 Industrial: Sector-based Inspections	485113	Bus and Other Motor Vehicle Transit Systems
ONE HOUR FABRIC CARE	96841	1090 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	812320	Drycleaning and Laundry Services (except Coin-Operated)
PSIP SHAW LEXINGTON, LLC	183455	2705 LEXINGTON WAY SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	237210	Land Subdivision
QUIEL BROS ELECTRIC SIGN SERV CO INC	8275	272 SOUTH I ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	339950	Sign Manufacturing
QWIK STOP #5 "YASIN"	108901	2696 FOOTHILL BLVD SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
RED COLLAR PET FOODS, INC	189040	2765 LEXINGTON WAY SUITE 400 SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
REFRESCO BEVERAGES US INC.	139380	499 EAST MILL AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	312111	Soft Drink Manufacturing

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REFRESCO BEVERAGES US INC.	155368	570 EAST MILL ST. STE B SAN BERNARDINO 92408	TS-11 Industrial: Sector- based Inspections	312111	Soft Drink Manufacturing
ROBERT H BALLARD REHABILITATION HOSPITAL	164793	1760 WEST 16TH ST. SAN BERNARDINO 92411	TS-11 Industrial: Sector- based Inspections	621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
ROBERTSON'S READY MIX	147221	1955 W 9TH ST NEAR LYTLE CREEK SAN BERNARDINO 92412	TS-11 Industrial: Sector- based Inspections	327320	Ready-Mix Concrete Manufacturing
ROUNSVILLES AUTO BODY	118735	24137 EAST WARD ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	811121	Automotive Body, Paint, and Interior Repair and Maintenance
S & S BASELINE 76	166898	799 WEST BASELINE SAN BERNARDINO 92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
SAN BERN CITY UNI SCH DIST, DIST ADMIN OF	23773	777 NORTH F ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	611110	Elementary and Secondary Schools
SAN BERN CITY UNIFIED SCHOOL DIST	8144	956 WEST 9TH ST. SAN BERNARDINO 92411	TS-11 Industrial: Sector- based Inspections	561720	Janitorial Services
SAN BERN CITY USD, NEAL ROBERTS ELEM	168032	494 EAST 9TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	561720	Janitorial Services
SAN BERN. CO, FACILITIES MGMT DEPT	10167	351 NORTH ARROWHEAD AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector- based Inspections	922120	Police Protection
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	126656	1302 SOUTH EAST ST. SAN BERNARDINO 92408	TS-58 Toxics: POTW Lift Stations	221310	Water Supply and Irrigation Systems
SAN BERNARDINO CITY MUN WATER DEPT(H2O)	1604	195 NORTH D ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector- based Inspections	921110	Executive Offices

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SAN BERNARDINO CITY UNIFIED SCHOOL DIST	169904	747 NORTH MOUNTAIN VIEW AVE. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
SAN BERNARDINO CITY USD, WHAA	168054	1535 WEST HIGHLAND AVE. SAN BERNARDINO 92411	TS-11 Industrial: Sector-based Inspections	561720	Janitorial Services
SAN BERNARDINO CO SPECIAL SERVICES	150522	18101 INSTITUTION RD DEVORE HEIGHTS 92407	TS-53 Toxics: POTW, Public Owned Treatment	925120	Administration of Urban Planning and Community and Rural Development
SAN BERNARDINO HIGH SCHOOL	125853	1850 NORTH "E" ST. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	611110	Elementary and Secondary Schools
SAN BERNARDINO MUN WATER DEPT	118973	195 NORTH D ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
SAN BERNARDINO NATIONAL FOREST	157046	602 SOUTH TIPPECANOE AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	541990	All Other Professional, Scientific, and Technical Services
SAN BERNARDINO R E R S	28892	891 SOUTH ARROWHEAD AVE. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	811111	General Automotive Repair
SAN BERNARDINO STEEL	53578	5454 NORTH INDUSTRIAL PKY. SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	332312	Fabricated Structural Metal Manufacturing
SAN BERNARDINO USD, DR. MILDRED D. HENRY	168572	1250 WEST 14TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	561720	Janitorial Services
SBCUSD SAN BRDO CITY UNIFIED SCHOOL DIST	175048	2525 NORTH G ST. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	561720	Janitorial Services
SCIENCE & ENG ANALYSIS CORP (SEACOR)	102443	110 SOUTH D ST. SAN BERNARDINO 92401	TS-12 Industrial Sources - Out of Business and Change of Ownership	541618	Other Management Consulting Services
SEARS, ROEBUCK AND COMPANY #1398	143730	100 INLAND CENTER SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	452111	Department Stores

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SERVICE KING PAINT & BODY LLC	184516	1228 NORTH H ST. SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	444120	Paint and Wallpaper Stores
SO CAL GAS CO (INLAND DIV)	33472	155 SOUTH G ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	221210	Natural Gas Distribution
SOUTHLAND CREMATORY	171913	379 SOUTH SIERRA WAY STE H SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	812220	Cemeteries and Crematories
ST BERNARDINE PLAZA CORPORATION	108050	550 WEST 5TH ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
ST. BERNARDINE MEDICAL CENTER	6324	2101 NORTH WATERMAN AVE. SAN BERNARDINO 92404	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
SUPERIOR GROCERS #130	165271	1108 WEST 2ND ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	445110	Supermarkets and Other Grocery (except Convenience) Stores
TELACU HOUSING - SAN BERNARDINO INC	134396	666 WEST 6TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
TELACU HOUSING SAN BERNARDINO II INC	145391	451 NORTH H ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	531110	Lessors of Residential Buildings and Dwellings
TESORO (USA) 63325	171648	2187 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	621111	Offices of Physicians (except Mental Health Specialists)
TESORO (USA) 63327	171691	995 WEST HIGHLAND AVE. SAN BERNARDINO 92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
THE GAGE CANAL COMPANY	94996	1271 S. Tippecanoe Ave. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems

THE GAGE CANAL COMPANY	94997	1271 S. Tippecanoe Ave. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
THE GAGE CANAL COMPANY	94999	1271 S. Tippecanoe Ave. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	221310	Water Supply and Irrigation Systems
THINKWISE FEDERAL CREDIT UNION	164632	2441 NORTH SIERRA WAY SAN BERNARDINO 92405	TS-11 Industrial: Sector-based Inspections	522130	Credit Unions
THRIFTY PETROLEUM, INC.	167023	495 SOUTH WATERMAN AVE. SAN BERNARDINO 92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
TRUCK-N-STUFF	151372	560 NORTH WATERMAN AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	441210	Recreational Vehicle Dealers
TURNER'S TRUCK STUFF	141433	598 NORTH WATERMAN AVE. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	441210	Recreational Vehicle Dealers
VANIR GROUP OF COMPANIES INC.	65562	290 NORTH D ST. SAN BERNARDINO 92401	TS-11 Industrial: Sector-based Inspections	515210	Cable and Other Subscription Programming
VERIZON WIRELESS	136450	895 SAN JACINTO ST. SAN BERNARDINO 92408	TS-11 Industrial: Sector-based Inspections	443142	Electronics Stores
VULCAN MATERIALS COMPANY	181597	5705 NORTH INSTITUTION RD SAN BERNARDINO 92407	TS-11 Industrial: Sector-based Inspections	324121	Asphalt Paving Mixture and Block Manufacturing
WATERMAN CONVALESCENT HOSPITAL	160366	1850 NORTH WATERMAN AVE. SAN BERNARDINO 92404	TS-11 Industrial: Sector-based Inspections	622110	General Medical and Surgical Hospitals
WATERMAN VALERO	107330	2908 NORTH WATERMAN AVE. SAN BERNARDINO 92404	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	447190	Other Gasoline Stations
WESTCORE II TIPPECANOE LLC	188264	927 EAST 9TH ST. SAN BERNARDINO 92410	TS-11 Industrial: Sector-based Inspections	541614	Process, Physical Distribution, and Logistics Consulting Services

WESTERN A WEST CA, LLC	182892	5404 INDUSTRIAL PKY SAN BERNARDINO 92407	TS-11 Industrial: Sector- based Inspections	488510	Freight Transportation Arrangement
ZOOMTECH INC, ORANGE SHOW SHELL, DBA	183954	1194 SOUTH WATERMAN AVE. SAN BERNARDINO 92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	326211	Tire Manufacturing (except Retreading)

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Summary of All Complaints Received from January 2016 to December 2018<sup>ii</sup>

Complaint Disposition	Asbestos	Dust	Odors	Overspray	Residential Wood Burning	Rule 461	Smoke	Other	Total
Notice of Violation Issued		8			2				10
Notice To Comply Issued	2	11	8			2	1	1	25
Referred to Another Agency		1	5		1	1			8
No Enforcement Action Taken <sup>iii</sup>	9	119	70	9	5	6	28	13	259
Investigation in Progress; Disposition Pending			1				1		2
<b>Total</b>	<b>11</b>	<b>139</b>	<b>84</b>	<b>9</b>	<b>8</b>	<b>9</b>	<b>30</b>	<b>14</b>	<b>304</b>

<sup>ii</sup> The complaint information, queried in June 2019, is based on the following Zip Codes: 92411, 92412, 92401, 92407, 92404, 92377, 92405, 92376, 92410, 92408, and 92324.

<sup>iii</sup> *No Enforcement Action Taken* means that the complaint investigation has concluded but did not result in any formal enforcement action. For example, an alleged air pollution source may have been operating in compliance at the time of the inspection or the event underlying the complaint was no longer occurring.

## List of All Inspections Conducted from January 2016 to December 2018

Facility Name	Facility ID	Location	City	Zip	Technical Specialty (TS)	Inspection Date	Enforcement Actions
7-ELEVEN #26934/JAGDIP SINGH	176507	3211 KENDALL DR	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/5/2016	
7-ELEVEN #26934/JAGDIP SINGH	176507	3211 KENDALL DR	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/16/2016	
7-ELEVEN #26934/JAGDIP SINGH	176507	3211 KENDALL DR	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/25/2016	
7-ELEVEN #37036	179301	1583 W BASELINE RD	SAN BERNARDINO	92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/10/2016	
7-ELEVEN #37036	179301	1583 W BASELINE RD	SAN BERNARDINO	92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/5/2016	
7-ELEVEN #37214	183094	510 WATERMAN AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	10/10/2017	

7-ELEVEN #37214	183094	510 WATERMAN AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/24/2018	
ALL AUTO COLLISON & PAINT, INC.	132791	741 W BASELINE	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	1/28/2016	
ANITA'S MEXICAN FOOD CORPORATION	175226	3454 N MIKE DALEY DR	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	7/8/2016	
ANTHEM OIL INC	182846	1933 W HIGHLAND AVE	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/27/2016	
ANTHEM OIL INC	182846	1933 W HIGHLAND AVE	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/20/2017	
APRO LLC DBA UNITED OIL #136	177930	235 E BASELINE AVE	SAN BERNARDINO	92401	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/17/2016	
APRO LLC DBA UNITED OIL #136	177930	235 E BASELINE AVE	SAN BERNARDINO	92401	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/20/2018	
ARCO AM/PM	167961	542 N MOUNT VERNON AVE	SAN BERNARDINO	92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/21/2016	
ARCO AM/PM	167961	542 N MOUNT VERNON AVE	SAN BERNARDINO	92411	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	5/3/2018	

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ARCO TIPPECANOE PETROLEUM PROJECT	178205	806 S TIPPECANOE AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/16/2016	
ATCO 2000 INC	148939	5486 INDUSTRIAL PKY #A	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/8/2016	
BASELINE AM/PM	162537	794 W BASELINE ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/10/2016	
BASELINE AM/PM	162537	794 W BASELINE ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	5/3/2018	
BEST CLEANERS	82515	624 W 4TH ST	SAN BERNARDINO	92410	TS-12 Industrial Sources - Out of Business and Change of Ownership	2/3/2016	
BIG Z AUTO WORKS	52065	274 N I ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	6/2/2017	✓
BIONIC AUTO BODY	40304	1091 ACACIA ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	1/28/2016	
BJ OIL, INC	183039	847 W HIGHLAND AVE	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	10/10/2017	
BNSF RAILWAY COMPANY	178593	1500 W RIALTO AVE	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/11/2016	

CAL ST, HWY PATROL	34643	2211 WESTERN AVE	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	1/22/2016	✓
CALIFORNIA PORTLAND CEMENT CO.	62645	2400 W HIGHLAND	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	6/2/2016	
CALMAT CO	34281	2400 W HIGHLAND AVE	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	5/31/2016	
CALMAT CO	108457	2340 W HIGHLAND AVE	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	5/31/2016	✓
COLLISION CENTER OF SAN BERNARDINO	178172	909 W 21ST ST	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	4/13/2016	
COMMUNITY HOSPITAL OF SAN BERNARDINO	17722	1805 MEDICAL CENTER DR	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	1/19/2016	✓
C-PAK INDUSTRIES INC	120469	4925 HALLMARK PKY	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	8/3/2016	
D & W FINE PACK INC	49933	4162 GEORGIA BLVD	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/9/2016	
DAMAS CAPITAL INVESTMENTS, INC.	181468	702 W SECOND ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/7/2016	
DOWNTOWN AUTO CENTER	99849	460 W NINTH ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/3/2016	✓
E & R AUTO BODY, ELKIN HERNANDEZ DBA	80622	273 S ARROWHEAD	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	6/2/2017	

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ENVISIONING FUTURE INC.	160632	295 N WATERMAN AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/9/2016	
ENVISIONING FUTURE INC.	160632	295 N WATERMAN AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/2/2018	✓
EVANS FUEL	90737	1995 NOLAN ST	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/27/2016	✓
F & M BAINS, INC., RAJINDER SINGH	157919	3890 N UNIVERSITY PKY	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/28/2016	
FARMDALE CREAMERY INC	84687	1049 W BASELINE ST	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	1/26/2016	
FOOD N' FUEL	117766	1055 N WATERMAN AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/9/2016	✓
FOOD N' FUEL	117766	1055 N WATERMAN AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	5/9/2018	✓
G & M OIL CO #119	136014	906 N WATERMAN AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/21/2016	
G & M OIL CO, LLC #47	101640	501 INLAND CENTER DR	SAN BERNARDINO	92408	TS-40 Service Stations: Retail	7/26/2016	

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					Gasoline Dispensing (From TS 12)		
G & M OIL CO, LLC #67	115360	187 N F ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/26/2016	
GABORKO ELECTRIC, INC.DBA.C & M ELECTRIC	173983	1356 W RIALTO AVE	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/11/2016	
GAGE CANAL COMPANY	94998	AT&SF RAILROAD/HOSPITALITY LN	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	1/28/2016	✓
GATEWAY PET CEMETERY	62081	3850 FRONTAGE	SAN BERNARDINO	92412	TS-11 Industrial: Sector-based Inspections	7/13/2016	
H & M OIL	185414	605 N H ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	1/30/2018	
HIGHLAND AVENUE ARCO, ALFRED DAHER	158844	189 W HIGHLAND AVE	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/25/2017	
HIGHLAND SHELL, NABIL SAADE	170528	1108 HIGHLAND	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/25/2017	✓
HOLLIDAY TRUCKING, INC	18323	2300 W BASELINE RD	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	1/19/2016	
HOME DEPOT, THE	85776	1055 W 21ST ST	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	4/15/2016	

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INLAND PACIFIC PETRO,UNIV SHELL CAR WASH	153509	3909 HALLMARK PKY	SAN BERNARDINO	92407	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	10/6/2016	
INTERCHANGE BUSINESS CENTER, LLC	177226	1651 W INTERCHANGE	SAN BERNARDINO	92401	TS-11 Industrial: Sector-based Inspections	8/4/2016	
ISOLATEK INTERNATIONAL INC	156517	4062 GEORGIA BLVD	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/9/2016	
JUN IRON WORKS	103147	2292 N CABRERA AVE	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	3/10/2017	✓
KHAN SHELL	155291	907 W MILL ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/23/2016	✓
KHAN SHELL	155291	907 W MILL ST	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/23/2017	✓
KOMAL OIL INC	180676	424 W MILL	COLTON	92324	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	2/16/2016	✓
KOMAL OIL INC	180676	424 W MILL	COLTON	92324	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	7/13/2017	✓
LBA REALTY FUND III - COMPANY IV-E, LLC	154433	2612 SHENANDOAH WAY	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/10/2016	

MJS MARKET	133947	2795 MACY ST	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/27/2016	
MT. VIEW CEMETERY	8660	570 E HIGHLAND AVE	SAN BERNARDINO	92404	TS-11 Industrial: Sector-based Inspections	4/13/2016	
NINO'S NUMBER ONE INC	170035	457 W 10TH ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	1/28/2016	✓
NUCKLES OIL CO, INC., MERIT OIL CO., DBA	112769	1405 W RIALTO AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/7/2016	
NUCKLES OIL CO, INC., MERIT OIL CO., DBA	112769	1405 W RIALTO AVE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	4/13/2018	
OMNITRANS	39979	1700 W 5TH ST	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	11/3/2017	
ONE HOUR FABRIC CARE	96841	1090 W HIGHLAND AVE	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	5/26/2016	
QUIEL BROS ELECTRIC SIGN SERV CO INC	8275	272 S I ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	10/16/2018	
QWIK STOP #5 "YASIN"	108901	2696 FOOTHILL BLVD	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	10/6/2016	✓
ROUNSVILLES AUTO BODY	118735	24137 E WARD ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/9/2016	✓

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S & S BASELINE 76	166898	799 W BASELINE	SAN BERNARDINO	92410	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/3/2016	
SAN BERN CITY UNI SCH DIST, DIST ADMIN OF	23773	777 N F ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/12/2016	✓
SAN BERN CITY UNIFIED SCHOOL DIST	8144	956 W 9TH ST	SAN BERNARDINO	92411	TS-11 Industrial: Sector-based Inspections	2/12/2016	✓
SAN BERN CITY USD, NEAL ROBERTS ELEM	168032	494 E 9TH ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/12/2016	
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	126656	1302 SOUTH E ST	SAN BERNARDINO	92408	TS-58 Toxics: POTW Lift Stations	3/24/2016	✓
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	126656	1302 SOUTH E ST	SAN BERNARDINO	92408	TS-58 Toxics: POTW Lift Stations	3/29/2016	✓
SAN BERNARDINO CITY MUN WATER DEPT(H2O)	1604	195 N D ST	SAN BERNARDINO	92401	TS-11 Industrial: Sector-based Inspections	7/20/2016	
SAN BERNARDINO MUN WATER DEPT	118973	195 N D ST	SAN BERNARDINO	92401	TS-11 Industrial: Sector-based Inspections	7/20/2016	
SAN BERNARDINO NATIONAL FOREST	157046	602 S TIPPECANOE AVE	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	6/29/2017	
SAN BERNARDINO STEEL	53578	5454 N INDUSTRIAL PKY	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/8/2016	
SERVICE KING PAINT & BODY LLC	184516	1228 N H ST	SAN BERNARDINO	92405	TS-11 Industrial: Sector-based Inspections	12/7/2017	

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TELACU HOUSING - SAN BERNARDINO INC	134396	602-666 W 6TH ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/3/2016	✓
TELACU HOUSING SAN BERNARDINO II INC	145391	451 N H ST	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/3/2016	✓
TESORO (USA) 63325	171648	2187 W HIGHLAND AVE	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	8/25/2017	
TESORO (USA) 63327	171691	995 W HIGHLAND	SAN BERNARDINO	92405	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/8/2017	
THE GAGE CANAL COMPANY	94996	SANTA ANA RIVER/SAN BER AVE	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	1/28/2016	✓
THE GAGE CANAL COMPANY	94997	SOUTH OF HOSPITALITY LN	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	1/28/2016	✓
THE GAGE CANAL COMPANY	94999	AT&SF RAILROAD/SANTA ANA RIVER	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	1/28/2016	✓
THRIFTY PETROLEUM, INC.	167023	495 S WATERMAN AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/9/2016	
THRIFTY PETROLEUM, INC.	167023	495 S WATERMAN AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	3/20/2018	✓
TRUCK-N-STUFF	151372	560 N WATERMAN AVE	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/9/2016	

TURNER'S TRUCK STUFF	141433	598 N WATERMAN AVE	SAN BERNARDINO	92410	TS-11 Industrial: Sector-based Inspections	2/9/2016	✓
VERIZON WIRELESS	136450	895 SAN JACINTO ST	SAN BERNARDINO	92408	TS-11 Industrial: Sector-based Inspections	10/16/2018	
VULCAN MATERIALS COMPANY	181597	5705 N INSTITUTION RD	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	6/2/2016	✓
WATERMAN CONVALESCENT HOSPITAL	160366	1850 N WATERMAN AVE	SAN BERNARDINO	92404	TS-11 Industrial: Sector-based Inspections	5/27/2016	
WATERMAN VALERO	107330	2908 N WATERMAN AVE	SAN BERNARDINO	92404	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	9/29/2017	
WESTERN A WEST CA, LLC	182892	5404 INDUSTRIAL PKY	SAN BERNARDINO	92407	TS-11 Industrial: Sector-based Inspections	11/30/2017	
ZOOMTECH INC, ORANGE SHOW SHELL, DBA	183954	1194 S WATERMAN AVE	SAN BERNARDINO	92408	TS-40 Service Stations: Retail Gasoline Dispensing (From TS 12)	6/1/2017	✓

## List of Compliance Actions Taken from January 2016 to December 2018

Facility Name	Facility ID	Notice Type	Notice Number	Issue Date <sup>iv</sup>	Violation Date <sup>v</sup>	Rule Number	Description
1ST CERTIFIED COLLISION	167037	NC	E39229	5/10/2017	5/10/2017	1147	Provide gas usage records for Powerflame burner to verify deadline delay from rule 1147 source testing requirements for units 15 years and older.
1ST STREET COLLISION CENTER	181690	NC	E37934	3/2/2017	3/2/2017	1151	Produce coating records of coatings used at above location from March 2016 to present; Produce SDS sheets for all coatings at above facility
1ST STREET COLLISION CENTER	181690	NC	E37934	3/2/2017	3/2/2017	203	Produce coating records of coatings used at above location from March 2016 to present; Produce SDS sheets for all coatings at above facility
5M CONTRACTING	150335	NC	E36377	12/23/2016	12/23/2016	1403	SECURE AND STABILIZE RESIDNCE AND YARD. (NOTIF #456524). HAVE A CERTIFIED ASBESTOS CONSULTANT ASSESS FIRE DAMAGED RESIDENCE AND YARD (INCL. SAMPLE COLLECTION PER 40 CFR PART 763.86) AND ASBESTOS SURVEY REPORT.
7_ELEVEN #34175/JAGROOP K. BAL	176509	NOV	P63220	12/22/2016	11/28/2016	461	Failure to conduct performance testing within 10 days after completion of upgrade
7_ELEVEN #35348/T R A INC	176092	NC	E35599	9/16/2016	9/16/2016	461	PROVIDE LATEST PRESSURE VACUUM VALVE TEST RESULTS AND LATEST REVERIFICATION TEST RESULTS FOR 2016.

<sup>iv</sup> Issue Date: The date the violation notice was issued to the responsible party. This date may not reflect the date of inspection.

<sup>v</sup> Violation Date: The date that the violation occurred and was documented by South Coast AQMD inspectors. This date may not reflect the date of inspection.

7_ELEVEN 33442/TARLOCHAN RANGI	144011	NC	E39061	5/25/2017	5/25/2017	461	PROVIDE LATEST PRESSURE VACUM VALVE TEST RESULTS
7-ELEVEN #26934/JAGDIP SINGH	176507	NC	E34629	8/5/2016	8/5/2016	206	PRODUCE AQMD PERMIT # N28026 & POST ON PREMISES. REPLACE CRACKED HOSE ON NOZZLE #1 W/LOW PERM HOSE. PRODUCE DAILY INSPECTION CERTIFICATE FOR JAY SINGH OR SIGN UP FOR INSPECTION TRAINING. PRODUCE AND SUBMIT YEARLY THROUGHPUT FOR 2014 & 2015. PLUS UPDATE
7-ELEVEN #26934/JAGDIP SINGH	176507	NC	E34629	8/5/2016	8/5/2016	461	PRODUCE AQMD PERMIT # N28026 & POST ON PREMISES. REPLACE CRACKED HOSE ON NOZZLE #1 W/LOW PERM HOSE. PRODUCE DAILY INSPECTION CERTIFICATE FOR JAY SINGH OR SIGN UP FOR INSPECTION TRAINING. PRODUCE AND SUBMIT YEARLY THROUGHPUT FOR 2014 & 2015. PLUS UPDATE
7-ELEVEN #26934/JAGDIP SINGH	176507	NC	E34629	8/5/2016	8/5/2016	461(C)(2)(B)	PRODUCE AQMD PERMIT # N28026 & POST ON PREMISES. REPLACE CRACKED HOSE ON NOZZLE #1 W/LOW PERM HOSE. PRODUCE DAILY INSPECTION CERTIFICATE FOR JAY SINGH OR SIGN UP FOR INSPECTION TRAINING. PRODUCE AND SUBMIT YEARLY THROUGHPUT FOR 2014 & 2015. PLUS UPDATE
7-ELEVEN #37036	179301	NC	E35581	7/5/2016	7/5/2016	203(A)	MAKE ADMINISTRATIVE CHANGE TO PERMIT TO CONSTRUCT. SITE HAS 8 NOZZLES AND 24 PRODUCTS.

A&J PETRA INC DBA FOODMART	180578	NC	E34637	8/23/2016	8/23/2016	461	REPLACE CRACKED HOSE ON #5 WITH LOW PERM HOSE. PRODUCE ANNUAL PERIODIC COMPLIANCE INSPECTION REPORT FOR 2015 AND GASOLINE THROUGHPUT FROM OCTOBER 2015 TO PRESENT. PRODUCE VAPOR REPAIR LOG FROM JUNE 2015 TO PRESENT, ALARM LOG FROM JAN 2016 TO PRESENT &
A&J PETRA INC DBA FOODMART	180578	NC	E34637	8/23/2016	8/23/2016	461(C)(2)(B)	REPLACE CRACKED HOSE ON #5 WITH LOW PERM HOSE. PRODUCE ANNUAL PERIODIC COMPLIANCE INSPECTION REPORT FOR 2015 AND GASOLINE THROUGHPUT FROM OCTOBER 2015 TO PRESENT. PRODUCE VAPOR REPAIR LOG FROM JUNE 2015 TO PRESENT, ALARM LOG FROM JAN 2016 TO PRESENT &
A&J PETRA INC DBA FOODMART	180578	NC	E37436	11/4/2016	11/4/2016	201	SUBMIT A NEW APPLICATION FOR A PERMIT TO CONSTRUCT THAT REFLECTS EXISITING EQUIPMENT AT ABOVE FACILITY.
A&J PETRA INC DBA FOODMART	180578	NC	E37445	11/22/2016	11/22/2016	461	Install AQMD Operation and Instruction Signs with (800) 2424020 customer complaint number.
A&J PETRA INC DBA FOODMART	180578	NOV	P70944	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1241
ACHAMAK_TRADING	129762	NC	E35592	9/7/2016	9/7/2016	461	PROVIDE PRESSURE VACUUM VALVE TEST RESULTS AND LAST REVERIFICATION TEST RESULTS FOR 2016.
ALPHA MATERIALS, INC	179916	NC	E40214	7/25/2017	7/25/2017	PERP 2458	Provide records of usage and location for CARB # 125809

ALPHA MATERIALS, INC	180155	NC	E27845	5/24/2018	5/24/2018	203(A)	Do not operate portable equipment at this location. PERP registrations are no longer valid here (operation >12 months)
AMERICAN HANDFORGE	171062	NC	E36391	5/17/2017	5/17/2017	1430	Submit permit applications for grinding operations and control devices, conduct housekeeping (daily, monthly, semiannual) keep/maintain records (weight of waste collected, monthly inspections, odor log), repair all defects within 72 hrs., keep dust in closed
AMERICAN TRAFFIC PRODUCTS, INC	180982	NOV	P63955	1/19/2016	10/23/2015	201	The facility installed and operated equipment without a valid Permit to Construct and Permit to Operate.
AMERICAN TRAFFIC PRODUCTS, INC	180982	NOV	P63955	1/19/2016	10/23/2015	203(A)	The facility installed and operated equipment without a valid Permit to Construct and Permit to Operate.
ANITA'S MEXICAN FOOD CORPORATION	175226	NC	E21154	7/12/2016	7/8/2016	42303	The facility shall provide the following records: burners installed on the 1999 Parker Boiler (2016 modified); burners installed on Taco Line 5A to satisfy the modification approved in A/N 573816. Include date of installation; facility wide natural gas consumption
ANITA'S MEXICAN FOOD CORPORATION	175226	NC	E34453	7/21/2016	7/21/2016	1147	The facility shall provide evidence of burner specifications installed on each oven and fryer to indicate the manuf. data, including: make, model, serial no., Btu rating, yr. of mfg. The facility shall mount permanent rating plates from each unit manufacture
ANITA'S MEXICAN FOOD CORPORATION	175226	NC	E34453	7/21/2016	7/21/2016	1153.1	The facility shall provide evidence of burner specifications installed on each oven and fryer to indicate the manuf. data, including: make, model, serial no., Btu rating, yr. of

							mfg. The facility shall mount permanent rating plates from each unit manufacture
ANITA'S MEXICAN FOOD CORPORATION	175226	NOV	P62046	7/22/2016	7/15/2015	202	The facility failed to maintain monthly NOx emission reports during the timeframe indicated in the Order for Abatement and as indicated by the Permit to Construct issued for Taco Line 5a modification.
ANITA'S MEXICAN FOOD CORPORATION	175226	NOV	P62046	7/22/2016	7/15/2015	42401	The facility failed to maintain monthly NOx emission reports during the timeframe indicated in the Order for Abatement and as indicated by the Permit to Construct issued for Taco Line 5a modification.
ANITA'S MEXICAN FOOD CORPORATION	175226	NOV	P62047	8/26/2016	7/22/2016	42402	Violation for knowing and intentional falsification of records provided for facility-wide NOx emission reports required by SCAQMD permit to construct (A/N 573816)-Taco Line 5a burner modification, and Hearing Board Order for Abatement Case No. 6017-2 oper
ANTHEM OIL INC	182846	NC	E34648	9/27/2016	9/27/2016	461	REPLACE GASKETS IN DRY BREAK CAPS OF R U/L TANK & PREM TANK; REPLACE BROKEN CAP OF REG U/L TOO. PROVE THAT DRAIN VALVES OF GAS TANKS WORK. REPLACE CRACKED HOSE ON # 7, PRODUCE MISSING ALARM LOG SINCE CHANGE OF OWNERSHIP. PROVIDE 2016 ANNUAL PERIODIC
ANTHEM OIL INC	182846	NC	E34648	9/27/2016	9/27/2016	461(C)(1)(A)	REPLACE GASKETS IN DRY BREAK CAPS OF R U/L TANK & PREM TANK; REPLACE BROKEN CAP OF REG U/L TOO. PROVE THAT DRAIN VALVES OF GAS TANKS WORK. REPLACE CRACKED HOSE ON # 7, PRODUCE MISSING ALARM LOG SINCE CHANGE OF

							OWNERSHIP. PROVIDE 2016 ANNUAL PERIODIC
ANTHEM OIL INC	182846	NC	E34648	9/27/2016	9/27/2016	461(C)(2)(B)	REPLACE GASKETS IN DRY BREAK CAPS OF R U/L TANK & PREM TANK; REPLACE BROKEN CAP OF REG U/L TOO. PROVE THAT DRAIN VALVES OF GAS TANKS WORK. REPLACE CRACKED HOSE ON # 7, PRODUCE MISSING ALARM LOG SINCE CHANGE OF OWNERSHIP. PROVIDE 2016 ANNUAL PERIODIC
ANTHEM OIL INC	182846	NOV	P70579	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0473
ANTHEM OIL INC	182846	NOV	P70617	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0855
APRO LLC DBA UNITED OIL #136	177930	NOV	P72736	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5442
APRO LLC DBA UNITED OIL #180	177988	NOV	P72776	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5046

AQHI, INCORPORATED	107976	NC	E36380	1/27/2017	1/27/2017	1403	PROVIDE PROOF OF NEW RULE 1403 NOTIFICATION FOR ABOVE ADDRESS INDICATING ASBESTOS FOUND "YES". PROVIDE PROOF OF WORKER TRAINING CERTIFICATES FOR ANDERSON MC CLINTON AND ORLANDO NARCIS. PROVIDE PROOF OF WASTE RECORD.
ARAKELIAN ENTERPRISES, INC	177289	NC	E35182	4/7/2016	4/6/2016	201	OBTAIN PERMIT TO CONSTRUCT/OPERATE A HORIZONTAL GRINDER (CBI MAGNUM FORCE 6400, SIN 6400-T-C27, UNIT #1109, DOORS RG7U49)
ARCHER DANIELS MIDLAND COMPANY	135273	NC	E35960	5/4/2017	5/4/2017	203(B)	1. Maintain records per permit to operate (P/O) F25680 condition 7. Maintain records per P/O G20216 condition 5
ARCO AM/PM	167961	NC	E42586	5/3/2018	5/3/2018	461	PROVIDE THE FOLLOWING: LATEST P/V RESULTS, THROUGHPUT LOG, PERIODICAL INSPECTION
ARCO FAC #06144 _ SIDHU PETROLEUM INC.	166416	NC	E35605	10/12/2016	10/12/2016	461	PROVIDE LATEST REVERIFICATION TEST RESULTS AND PERIODIC COMPLIANCE INSPECTION FOR 2016
ARCO TIPPECANOE PETROLEUM PROJECT	178205	NOV	P70669	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1555
ARCO TIPPECANOE PETROLEUM PROJECT	178205	NOV	P71803	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4502

ASBESTOS CONTROL TESTING, INC	175403	NC	E43462	3/23/2018	2/22/2018	40701(G)	PROVIDE EVIDENCE AND COPIES OF THE FOLLOWING: PRIOR ASBETOS SURVEY, CSLB LICENSE, DOSH LICENSE, CONTRACT TO PERFORM ASBESTOS ABATEMENT, BUILDING AND SAFETY PERMITS, NAME/ADDRESS/PHONE NUMBER OF WORKERS AND SUPERVISORS, AHERA TRAINING CERTIFICATES,
ASBESTOS CONTROL TESTING, INC	175403	NOV	P66415	4/11/2018	2/22/2018	1403	FAILED TO OBTAIN AN APPROVED PROCEDURE 5 PLAN FOR HANDLING DISTURBED ACM PRIOR TO RENOVATION/CLEAN UP; FAILED TO MAINTAIN A COPY OF ALL WRITTEN APPROVALS OBTAINED UNDER THE REQUIREMENTS OF SUBPARAGRAPHS (d)(1)(D).
AT & T COMM INC (SAN BERNARDINO)	45068	NC	E31666	4/22/2016	4/22/2016	1472	Submit R1472 compliance plan
ATCO 2000 INC	148939	NC	E31672	6/8/2016	6/8/2016	109	206 and 109 for VOC records 2 years
ATCO 2000 INC	148939	NC	E31672	6/8/2016	6/8/2016	206	206 and 109 for VOC records 2 years
AUTO FOURTEEN COLLISION	178579	NC	E37012	9/13/2016	9/13/2016	42303	Provide VOC records since January 2016
BASELINE AM/PM	162537	NC	E32765	3/10/2016	3/10/2016	41960.2	REPLACE MAIN HOSE #8 WITH APPROVED LOW PERM HOSE - STEEL EXPOSED.
BASELINE AM/PM	162537	NC	E42587	5/3/2018	5/3/2018	461	PROVIDE LATEST REVERIFICATION TEST AND PRESSURE VACUUM VALVE RESULTS
BASELINE AM/PM	162537	NOV	P72422	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5301

BATTERY CENTER	183913	NC	E37838	1/12/2017	1/12/2017	1420	PROVIDE ANNUAL AMOUNT OF LEAD_ CONTAINING MATERIAL AND THE PERCENT LEAD CONTENT PROCESSED AT THE FACILITY FOR THE PAST THREE (3) YEARS.
BEST IRON WORKS	80021	NC	E36686	7/29/2016	7/29/2016	109	109 for 6 months records.
BIG Z AUTO WORKS	52065	NC	E35962	6/2/2017	6/2/2017	1151	Maintain VOC records.
BISCOMERICA CORP	125483	NC	E27934	2/16/2016	2/16/2016	1415.1	1) Determine & document the size of the refrigeration (process units only) systems: Mfr., Model #, Serial #, type of Refrigerant, Capacity of the system; and 2) register the system with the California Air Resources Board
BJ OIL, INC	183039	NOV	P70615	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0831
BR TREE SERVICE	186759	NC	E41637	2/16/2018	1/19/2018	203(A)	Do not operate portable ICE >50hp without a valid CARB registration or AQMD permit.
BRICKLEY CONSTRUCTION CO INC, BRICKLEY EN	76397	NC	E45720	12/28/2018	12/28/2018	203(A)	DO NOT OPERATE OR USE ANY EQUIPMENT (FLOOR BUFFER) WHICH MAY CAUSE THE ISSUANCE OF AIR CONTAMINANTS WITHOUT FIRST OBTAINING A WRITTEN PTO FROM SCAQMD _ APPLIES ONLY TO EQUIPMENT SUBJECT TO NESHAP
BURLINGTON NORTHERN/SANTA FE RAILWAY CO	102284	NOV	P71280	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217313976

CAL DEPT OF FORESTRY, SAN BERN FIRE STA	26857	NC	E31667	5/26/2016	5/26/2016	203	203b to upgrade ICE log and get upgraded nameplate and confirm it matches permit
CAL DEPT OF FORESTRY, SAN BERN FIRE STA	26857	NOV	P71396	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1146
CAL ST, HWY PATROL	34643	NC	E31655	1/22/2016	1/22/2016	1470	Update ICE log, Install 461 signs, submit 2 years of monthly gasoline dispensed records
CAL ST, HWY PATROL	34643	NC	E31655	1/22/2016	1/22/2016	461	Update ICE log, Install 461 signs, submit 2 years of monthly gasoline dispensed records
CAL ST, HWY PATROL	34643	NOV	P71446	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1641
CAL STRIPE INC	160100	NC	E37856	11/23/2016	11/23/2016	PERP 2460	Submit an appointment request; maintain the registration certificate & operating conditions with the equipment; affix a registration sticker to the equipment.
CAL STRIPE INC	160100	NC	E37856	11/23/2016	11/23/2016	TITLE13ARTICL E55	Submit an appointment request; maintain the registration certificate & operating conditions with the equipment; affix a registration sticker to the equipment.
CAL STRIPE INC	160100	NC	E41445	12/6/2017	10/31/2017	PERP 2460	Submit Appointment Request form for 7 PERP engines. CARB PERP program requires contact of home air district within 45 days of reg issuance/renewal. SCAQMD contact is Appt Req form

CALIBER BODYWORKS, INC.	116311	NC	E37949	6/2/2017	6/2/2017	42303	Produce Natural gas usage log for the last 24 months(only 4/17 to present is available)
CALIF DEPT OF TRANSPORTATION, CALTRANS	137200	NOV	P71687	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4078
CALIFORNIA PORTLAND CEMENT CO	800181	NC	E29360	10/7/2016	8/30/2016	3002(C)(1)	Ensure timely submission of Forms 500_ACC and 500_SAM
CALIFORNIA PORTLAND CEMENT CO	800181	NC	E39242	7/13/2017	7/13/2017	1156	stabilize all unpaved roads to maintain stabilized surface (for aggregate site), apply chemical stabilizers to all unpaved roads and areas to stabilize road surface (should be applied biannually), and provide copy of toxicity analysis report for cement
CALIFORNIA PORTLAND CEMENT CO	800181	NC	E39242	7/13/2017	7/13/2017	1157	stabilize all unpaved roads to maintain stabilized surface (for aggregate site), apply chemical stabilizers to all unpaved roads and areas to stabilize road surface (should be applied biannually), and provide copy of toxicity analysis report for cement
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P60580	2/9/2017	7/1/2016	2004	1. Failed to reconcile quarterly NOx and Sox emissions in the 1st and 2nd Qtr. of compliance year 2016. 2. NOx and SOx emissions from the beginning of the 2016 compliance year through the end of the 1st and 2nd quarters exceeded allocation in effect at the

CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P59283	2/15/2017	7/1/2015	2004	Failed to reconcile quarterly SOx emissions in the 1st, 2nd, 3rd, and 4th quarters. Sox emissions from the beginning of the 2015 Compliance Year through the end of the 1st, 2nd, 3rd, and 4th quarter exceeded the annual SOx emissions allocation in effect
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64763	9/8/2017	9/7/2017	1158(D)(8)	allowance of fugitive dust emissions from an active operation to remain visible beyond the property lines, conducting an active operation without utilizing the applicable BACM to minimize fugitive dust emissions, and failure to install rumble grates within
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64763	9/8/2017	9/7/2017	403(D)(1)	allowance of fugitive dust emissions from an active operation to remain visible beyond the property lines, conducting an active operation without utilizing the applicable BACM to minimize fugitive dust emissions, and failure to install rumble grates within
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64763	9/8/2017	9/7/2017	403(D)(2)	allowance of fugitive dust emissions from an active operation to remain visible beyond the property lines, conducting an active operation without utilizing the applicable BACM to minimize fugitive dust emissions, and failure to install rumble grates within
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64372	9/15/2017	9/14/2017	403(D)(1)	Fugitive dust emissions remaining visible beyond property lines Conducting active operation without utilizing applicable BACM to minimize fugitive dust emissions
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64372	9/15/2017	9/14/2017	403(D)(2)	Fugitive dust emissions remaining visible beyond property lines Conducting active

							operation without utilizing applicable BACM to minimize fugitive dust emissions
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P65378	12/6/2017	7/1/2016	2004	Failure to submit QCERs and an APEP with accurate emissions.
CALIFORNIA PORTLAND CEMENT CO	800181	NOV	P64386	7/28/2018	7/1/2017	2004	Failure to acquire and have credited to the facility sufficient NOx and SOx RTCs to reconcile its quarterly NOx and SOx emissions in the first, second, and third quarters for Compliance Year 2017
CALMAT CO	108457	NC	E31669	5/31/2016	5/31/2016	203	Submit modification apps for G23721 to add (B3) belt
CARDLOCK FUELS LLC, KINDER MORGAN ENERGY	120767	NOV	P71994	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9011
CASTRO DESIGNERS CHOICE	177473	NC	E37935	3/3/2017	3/3/2017	1136	Produce Coating records of all coatings used at above location address; produce all SDS sheets for all coatings used at above location
CASTRO DESIGNERS CHOICE	177473	NC	E37935	3/3/2017	3/3/2017	203	Produce Coating records of all coatings used at above location address; produce all SDS sheets for all coatings used at above location
CHAVEZ CONCRETE PUMPING	188538	NC	E45593	10/11/2018	9/12/2018	203(A)	Do not operate engines rated more than 50 bhp without an AQMD permit or CARB Registration.
CHEVRON EXTRA MILE	177755	NC	E37378	6/8/2017	6/8/2017	461	Remove liquid from spill containers. provide proof of training for 461 daily inspections; revert to test cycle (Jan-July)
CHEVRON EXTRA MILE	177755	NC	E37378	6/8/2017	6/8/2017	461 (E) (2)	Remove liquid from spill containers. provide proof of training for 461 daily inspections; revert to test cycle (Jan-July)

CHEVRON EXTRA MILE	177755	NOV	P65455	6/8/2017	12/23/2015	461 (E) (1)	Failure to conduct performance test within 10 days of initial operation of GDF; Failure to conduct reverification tests semiannually (less than 12 months of data)
CHEVRON EXTRA MILE	177755	NOV	P65455	6/8/2017	12/23/2015	461(E)(2)	Failure to conduct performance test within 10 days of initial operation of GDF; Failure to conduct reverification tests semiannually (less than 12 months of data)
CHEVRON EXTRA MILE	177755	NOV	P71798	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4458
CIRCLE K #5240	180068	NC	E34631	8/5/2016	8/5/2016	461	REPLACE CRACKED HOSE ON NOZZLE #2. PROVIDE PROOF OF DAILY INSPECTION CERTIFICATE FOR ALL EMPLOYEES THAT PERFORM INSPECTIONS OR PROVE THAT EMPLOYEES HAVE BEEN TRAINED. PROVIDE 2016 ANNUAL PERIODIC INSPECTION, JUNE 2016 VAPOR TESTING, REPAIR LOGS FOR 2016,
CIRCLE K #5240	180068	NC	E34631	8/5/2016	8/5/2016	461(C)(2)(B)	REPLACE CRACKED HOSE ON NOZZLE #2. PROVIDE PROOF OF DAILY INSPECTION CERTIFICATE FOR ALL EMPLOYEES THAT PERFORM INSPECTIONS OR PROVE THAT EMPLOYEES HAVE BEEN TRAINED. PROVIDE 2016 ANNUAL PERIODIC INSPECTION, JUNE 2016 VAPOR TESTING, REPAIR LOGS FOR 2016,
CIRCLE K #5249	180072	NC	E35609	12/8/2016	12/8/2016	461	PROVIDE LATEST PRESSURE VACUUM VALVE RESULTS
CITY OF RIALTO FIRE STATION NO. 203	177795	NOV	P71799	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018.

							Certified Mail Tracking #7018 0040 0000 1600 4465
CITY OF RIALTO FIRE STATION NO. 204	177797	NOV	P71800	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1600 4472
CITY OF RIALTO, FIRE STATION NO. 202	170747	NOV	P71764	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4856
CITY OF SAN BERN, CITY YARD	65891	NOV	P71507	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2242
COLTON AVE AUTO BODY	178069	NC	E37932	2/23/2017	2/23/2017	42303	Reproduce all coating records from your method now to organize by latest application back to beginning of your start of business.
COLTON CITY	67762	NOV	P71513	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 2303
COLTON CITY WASTEWATER PLANT	13596	NC	E32576	3/25/2016	3/25/2016	42303	PROVIDE MODEL NUMBER, SERIAL NUMBER AND HORSEPOWER RATING FOR PORTABLE KOHLER GENERATOR MARKED "513". AND WHITE PORTABLE GENERATOR WITH 6-CYLINDER ENGINE. PROVIDE OPERATING LOG FOR EMERGENCY GENERATOR WITH PERMIT D75167. NATURAL GAS BILLS FOR 2015.

COLTON CITY, FIRE DEPT	34172	NOV	P71441	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1597
COLTON POWER, LP	182561	NC	E32303	6/30/2017	1/30/2016	2012 APPEN A, CH	Facility Permit Holder is to apply Missing Data Procedures whenever valid monitoring data is not available. This includes periods due to a failed daily calibration.
COLTON POWER, LP	182563	NC	E32302	6/14/2017	1/28/2016	2012 APPEN A, CH	Facility Permit Holder is to apply Missing Data Procedures whenever valid monitoring data is not available
COLTON UNIFIED SCH DIST TRANS DEPT	33219	NC	E35218	4/26/2016	4/26/2016	203	Provide gasoline monthly total since January 2014 Provide annual reverification tests for the 2014 calendar year provide test date for the 2013 calendar year Submit annually monthly totals (gasoline) by March 1st
COLTON UNIFIED SCH DIST TRANS DEPT	33219	NC	E35218	4/26/2016	4/26/2016	461	Provide gasoline monthly total since January 2014 Provide annual reverification tests for the 2014 calendar year provide test date for the 2013 calendar year Submit annually monthly totals (gasoline) by March 1st
COLTON UNIFIED SCH DIST TRANS DEPT	33219	NOV	P64360	6/15/2016	2/1/2014	461	Failing to conduct the annual reverification tests during the 2014 calendar year
COLTON UNIFIED SCH DIST TRANS DEPT	33219	NOV	P71435	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 1535

COMMUNITY HOSPITAL OF SAN BERNARDINO	17722	NOV	P61573	7/28/2016	2/8/2013	203	Operation of three boilers with modified burners without submitting modification applications
CST ORGANIC RECYCLING	168396	NOV	P66404	10/25/2017	9/28/2017	203(A)	Operating a portable ICE and equipment at a stationary source without a valid AQMD permit.
CUTTING EDGE SUPPLY COMPANY	75681	NC	E38212	1/10/2017	1/10/2017	PERP 2458	Maintain the registration certificate with the equipment at all times. Provide records as required by the registration certificate. Contact SCAQMD within 45 days after the date of initial issuance or renewal of a CARB registration to arrange an inspection
CUTTING EDGE SUPPLY COMPANY	75681	NC	E38212	1/10/2017	1/10/2017	PERP 2460	Maintain the registration certificate with the equipment at all times. Provide records as required by the registration certificate. Contact SCAQMD within 45 days after the date of initial issuance or renewal of a CARB registration to arrange an inspection
CUTTING EDGE SUPPLY COMPANY	75681	NC	E38212	1/10/2017	1/10/2017	TITLE13ARTICLE55	Maintain the registration certificate with the equipment at all times. Provide records as required by the registration certificate. Contact SCAQMD within 45 days after the date of initial issuance or renewal of a CARB registration to arrange an inspection
CUTTING EDGE SUPPLY COMPANY	75681	NC	E39902	6/28/2017	6/28/2017	PERP 2458	Provide record log with location and throughput for any PERP equipment.
D R HORTON	183341	NOV	P65503	10/11/2016	10/7/2016	403	The company allowed emissions of fugitive dust from a disturbed surface area to remain visible in the atm. beyond the property line of the emission source; failure to utilize BACM included in Table 1 of the Rule to minimize fugitive dust emissions from

DAKENO INC	97409	NC	E42826	3/15/2018	2/6/2018	40701(G)	Provide evidence and copies of the following: List of respective dates demolitions took place at the location address as well as the two adjacent buildings located at 505 W Base Line St and 1168 North E St in San Bernardino; waste hauler manifests or
DAMAS CAPITAL INVESTMENTS, INC.	181468	NOV	P70585	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0534
DAMAS CAPITAL INVESTMENTS, INC.	181468	NOV	P70619	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0879
DAVE'S AUTO BODY, ADELAIDA VAZQUEZ DBA	130381	NC	E35207	4/5/2016	4/5/2016	203	Before operating the spray booth, submit a Permit to Operate Application or disconnect the spray booth
DCT RIALTO LOGISTICS CENTER	178651	NC	E37942	4/21/2017	4/21/2017	206	Produce Permit G34740 and post at equipment; plus produce All applicable ICE reports as listed in the permit conditions.
DCT RIALTO LOGISTICS CENTER	178651	NC	E37942	4/21/2017	4/21/2017	42303	Produce Permit G34740 and post at equipment; plus produce All applicable ICE reports as listed in the permit conditions.
DCT RIALTO LOGISTICS CENTER	178651	NC	E37944	5/11/2017	5/11/2017	42303	Produce proof of emission standards in permit condition #9 as listed and required.
DEL ROSA CIRCLE K	177898	NOV	P72718	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 5626

DEL ROSA FUEL	136539	NC	E34647	9/22/2016	9/22/2016	461	REPLACE MISSING GASKET ON THE REG PDT FILL CAP ON THE 10K TANK. INSTALL OPERATION & INSTRUCTION SIGN WITH CORRECT AQMD NUMBER ON NOZZLE # 7. PRODUCE PROOF OF DAILY VAPOR RECOVERY INSPECTION CERTIFICATE FOR PERSON THAT CONDUCTS INSPECTIONS. PRODUCE VAPOR
DEL ROSA FUEL	136539	NC	E34647	9/22/2016	9/22/2016	461(C)(1)(A)	REPLACE MISSING GASKET ON THE REG PDT FILL CAP ON THE 10K TANK. INSTALL OPERATION & INSTRUCTION SIGN WITH CORRECT AQMD NUMBER ON NOZZLE # 7. PRODUCE PROOF OF DAILY VAPOR RECOVERY INSPECTION CERTIFICATE FOR PERSON THAT CONDUCTS INSPECTIONS. PRODUCE VAPOR
DEL ROSA FUEL	136539	NC	E37432	10/18/2016	10/18/2016	461	REMOVE MOJAVE AQMD PHONE NUMBER FROM ALL NOZZLES AND INSTALL 1 (800) CUT SMOG
DEL ROSA FUEL	136539	NC	E39110	5/11/2017	5/11/2017	461	Rule 461 (e)(6)(D) _ Provide the complete 2016 and 2017 throughput records (d)(4)(A) _ Provide the R461 daily training certificate (c)(2)(B) _ Provide the daily & weekly inspection records, remove all ads attached to balance hoses
DEL ROSA FUEL	136539	NOV	P64975	5/11/2017	2/4/2016	461	Rule 203b _ Operating a gasoline dispensing facility contrary to permit conditions _ #20 _ failure to record all ISD alarms and repairs on an ISD alarm log #21 _ resetting ISD alarms without proof of repairs #22 Misusing the clear test function

DEL ROSA FUEL	136539	NOV	P72075	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 9813
DESERT WIND SANDBLASTING	42881	NC	E41435	11/29/2017	11/17/2017	PERP 2460	Submit Appointment Request form for PERP registered engine # 119922. CARB PERP program requires contact of local air district within 45 days of registration issuance/renewal. SCAQMD contact is Appointment Request form.
DEVCO SANDBLASTING & INDUSTRIAL COATING	60323	NC	E39919	9/27/2017	9/27/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
DEVORE MINI MART/ANIS ERAMYA	115804	NC	E34638	8/23/2016	8/23/2016	461	REPLACE CRACKED HOSES ON NOZZLES # 6 & 8. PRODUCE DAILY VAPOR RECOVERY INSPECTION CERTIFICATE FOR CONDUCTING DAILY INSPECTIONS. PRODUCE 2016 GASOLINE THRUPTUT RECORDS. PRODUCE 2015 & 2016 ANNUAL PERIODIC COMPLIANCE INSPECTION REPORTS.
DEVORE MINI MART/ANIS ERAMYA	115804	NC	E34638	8/23/2016	8/23/2016	461(C)(2)(B)	REPLACE CRACKED HOSES ON NOZZLES # 6 & 8. PRODUCE DAILY VAPOR RECOVERY INSPECTION CERTIFICATE FOR CONDUCTING DAILY INSPECTIONS. PRODUCE 2016 GASOLINE THRUPTUT RECORDS. PRODUCE 2015 & 2016 ANNUAL PERIODIC COMPLIANCE INSPECTION REPORTS.
DOWNTOWN AUTO CENTER	99849	NC	E31659	2/3/2016	2/3/2016	203	remount DPG, repair filters, post permit

DOWNTOWN AUTO CENTER	99849	NC	E31659	2/3/2016	2/3/2016	206	remount DPG, repair filters, post permit
ECOLOGY AUTO PARTS, INC.	159798	NC	E41533	1/25/2018	1/25/2018	PERP 2456	Provide hour meter readings for PERP engines registration #s 151303 and 154794
ECOLOGY AUTO PARTS, INC.	159798	NC	E46143	12/7/2018	12/7/2018	PERP 2456	Maintain functioning hour meter reader. Correct/match engine model no. on the plate (engine) and registration certificate
ECOLOGY AUTO PARTS, INC.	159798	NC	E46143	12/7/2018	12/7/2018	TITLE13ARTICLE55	Maintain functioning hour meter reader. Correct/match engine model no. on the plate (engine) and registration certificate
ECOLOGY AUTO PARTS, INC.	159798	NOV	P69001	12/11/2018	7/9/2018	PERP 2460	Failure to contact the home district within 45 days after the date of initial issuance or renewal of a registration to arrange required inspection.
ECOLOGY RECYCLING SERVICES INC	185639	NC	E42701	1/19/2018	12/26/2017	203(B)	The equipment permit unit shall not be operated contrary to the conditions specified in the permit to operate. Specifically Condition #21 on PTO N28419;
ECOLOGY RECYCLING SERVICES INC	185639	NC	E42702	1/19/2018	12/26/2017	42303	Provide the following records: Records of daily water flow rate for 2017 and 2018 under PTO G32848
ECOLOGY RECYCLING SERVICES INC	185639	NC	E42707	2/2/2018	12/26/2017	203(B)	Do not operate equipment permit unit (G32848) contrary to the conditions specified (#'s 6 & 7) in the permit to operate.
EG CONCRETE PUMPING	168328	NC	E41434	11/29/2017	11/17/2017	PERP 2460	Submit Appointment Request form for PERP registered engine # 165438. CARB PERP program requires contact of local air district within 45 days of registration issuance/renewal. SCAQMD contact is Appointment Request form.

EMPIRE TRUCK REPAIR, INC.	179387	NC	E37936	3/3/2017	3/3/2017	1151	Produce all coating and solvent records from 2/16 to present; produce all SDS for all coatings and solvents; replace the booth dryer gauge and clean filter plenum of the booth.
EMPIRE TRUCK REPAIR, INC.	179387	NC	E37936	3/3/2017	3/3/2017	203	Produce all coating and solvent records from 2/16 to present; produce all SDS for all coatings and solvents; replace the booth dryer gauge and clean filter plenum of the booth.
ENKO SYSTEMS INC.	186000	NC	E41145	11/2/2017	11/2/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
ENVISIONING FUTURE INC.	160632	NC	E42571	3/2/2018	3/2/2018	461	Provide the following: reverification test results, pressure vacuum valve results, keep all spill buckets clean, replace vapor cap grade 87
ENVISIONING FUTURE INC.	160632	NOV	P70827	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8831
ENVISIONING FUTURE INC.	160632	NOV	P72402	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6818
EVANS AUTO BODY	79053	NC	E31663	3/4/2016	3/4/2016	109	submit application for permit, update VOC records
EVANS AUTO BODY	79053	NC	E31663	3/4/2016	3/4/2016	203	submit application for permit, update VOC records

EVANS FUEL	90737	NC	E34649	9/27/2016	9/27/2016	461	PRODUCE THE RECORD OF THE METHOD 6 & PV VALVE TEST. PRODUCE THE 2015 ANNUAL PERIODIC COMPLIANCE INSPECTION REPORT.
EXCLUSIVE TENT RENTALS	160822	NC	E41548	2/21/2018	2/21/2018	42303	Provide location records and dates for inspected PERP equipment for the last 2 years.
EXCLUSIVE TENT RENTALS	160822	NC	E41549	2/21/2018	2/21/2018	TITLE13ARTICLE55	Correct engine description on CARB Registration Certificate to reflect engine's faceplate information properly.
EXXONMOBIL DLR,NAZIH WAREN,11562,#18_H TQ	55933	NC	E39071	6/14/2017	6/14/2017	461	PROVIDE LATEST PERIODIC COMPLIANCE INSPECTION
FENDER BENDERZ COLLISION CENTER	181844	NC	E29128	4/5/2016	3/9/2016	203	Before operating the spray booth, submit a Permit to Operate Application or disconnect the spray booth
FOOD 4 LESS, STORE #303	174567	NOV	P70657	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 1432
FOOD N' FUEL	117766	NC	E35571	6/9/2016	6/9/2016	203(A)	MAKE ADMINISTRATIVE CHANGE TO PERMIT N23805 TO REFLECT SITE HAS 14 NOZZLES AND 42 PRODUCTS WITH 2 GASOLINE TANKS.
FOOD N' FUEL INC #23	29404	NC	E39048	9/8/2017	9/8/2017	461	replace main hose #2, repair faceplates # 2,5,and 6
FULLMER CONSTRUCTION	184887	NOV	P63136	5/31/2017	5/31/2017	403	Allowing track out to extend 25 feet or more (76.7 as measured) in cumulative length from point of origin from an active operation.
GAGE CANAL COMPANY	94998	NOV	P64161	4/1/2016	7/16/2014	1110.2	Failure to submit quarterly reports within 15 days of the end of the calendar quarter

GALLERY SHUTTERS, INC	166129	NC	E44536	12/14/2018	12/14/2018	203	Repair or replace both spray booth manometers and clean spray booth from thick paint buildup including both filter plenums and change all filters.
GAMA CONTRACTING SVCS INC	158700	NC	E36378	1/5/2017	1/5/2017	1403	PRIOR TO CONT SET_UP, REMOVAL OR OTHER ACTIVITIES SECURE AND STABILIZE BLDGS 3 AT LOC LISTED. HAVE A CERTIFIED ASBESTOS CONSULTANT (CAC) PERFORM AN ASB CONT ASSESSMENT AT LOCATION LISTED, BLDG. 3. PROVIDE COPY OF ASSESSMENT TO INSP.
GARCIAS 4 SEASONS TREE SERVICE INC	183919	NC	E38221	1/19/2017	1/19/2017	TITLE13ARTICLE55	Maintain the registration certificate and operating conditions with the equipment at all times.
GATX CORPORATION	12332	NC	E42006	3/23/2018	3/23/2018	42303	Provide records as shown in condition #7 of D85897 from March 2017 to present; Provide proof of Transfer Efficiency for all spray guns for D 80037, D80038, F32016, F32017, F 32018; Provide LPG records for G47520,from March 2017 to present.
GATX CORPORATION	12332	NOV	P64369	5/4/2017	5/28/2015	3002	Operating a scrubber without an active Permit to Operate
GLEN HELEN PARKWAY, LLC	170117	NC	E44517	10/5/2018	10/5/2018	203	Submit change of operator permits for both Cummins and Invesco ICE's, Provide information for operating hours/year, for maintenance & testing.
GLEN HELEN PARKWAY, LLC	170117	NC	E44517	10/5/2018	10/5/2018	42303	Submit change of operator permits for both Cummins and Invesco ICE's, Provide information for operating hours/year, for maintenance & testing.
GLEN HELEN PARKWAY, LLC	170117	NOV	P68256	12/6/2018	10/30/2018	203	Failure to show compliance to provide operating logs showing hours of use for maintenance, testing, and emergency use.

GOLDEN CORRAL	184950	NC	E39677	6/15/2017	6/15/2017	222	Submit a commercial charbroiler registration form for the Wolf charbroiler with the \$198.13 registration fee.
GOLDEN GAS MARKET	171162	NC	E39047	8/30/2017	8/30/2017	461	REPAIR/REPLACE NOZZLE #1 WITH LOOSE SPOUT, REPLACE MAIN HOSE #2, UPDATE ALARM LOG
GOLDEN GAS MARKET	171162	NOV	P72546	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 7323
GOODFELLOW CORP.	176548	NC	E37866	12/23/2016	12/23/2016	PERP 2458	Submit an appointment request form within 45 days after the initial issuance or renewal of a CARB registration to arrange for an inspection. Correct the registration certificate. Provide records (location and throughput).
GOODFELLOW CORP.	176548	NC	E37866	12/23/2016	12/23/2016	PERP 2460	Submit an appointment request form within 45 days after the initial issuance or renewal of a CARB registration to arrange for an inspection. Correct the registration certificate. Provide records (location and throughput).
GOODFELLOW CORP.	176548	NC	E37866	12/23/2016	12/23/2016	TITLE13ARTICLE55	Submit an appointment request form within 45 days after the initial issuance or renewal of a CARB registration to arrange for an inspection. Correct the registration certificate. Provide records (location and throughput).
GOODFELLOW CORP.	176548	NC	E37869	12/23/2016	12/23/2016	203(A)	Do not operate engine and/or equipment units without first obtaining a CARB portable equipment registration or AQMD permit to operate.

GOODFELLOW CORP.	176548	NC	E45240	9/25/2018	9/25/2018	PERP 2458	submit Appointment request form for any CARB PERP registered units within 45 days of renewal/issuance
H & K PETROLEUM, INC	161218	NC	E35578	8/3/2016	8/3/2016	461	PERFORM METHODOLOGY 6 ON ALL 4 VENTS.
H & K PETROLEUM, INC	161218	NC	E35585	8/3/2016	8/3/2016	203(B)	PROVIDE TEST RESULTS FOR 2016 REVERIFICATION TEST, LATEST PRESSURE VACUUM VALVE TEST RESULTS, ALARM LOG FOR 2016, DAILY INSPECTION LOG AND THROUGHPUT LOG FOR 2016. ENSURE ALL ALARMS ON VEEDER ROOT MONITOR ARE ADDRESSED
H & K PETROLEUM, INC	161218	NC	E35585	8/3/2016	8/3/2016	461	PROVIDE TEST RESULTS FOR 2016 REVERIFICATION TEST, LATEST PRESSURE VACUUM VALVE TEST RESULTS, ALARM LOG FOR 2016, DAILY INSPECTION LOG AND THROUGHPUT LOG FOR 2016. ENSURE ALL ALARMS ON VEEDER ROOT MONITOR ARE ADDRESSED
H & K PETROLEUM, INC	161218	NC	E35585	8/3/2016	8/3/2016	461(C)(2)(B)	PROVIDE TEST RESULTS FOR 2016 REVERIFICATION TEST, LATEST PRESSURE VACUUM VALVE TEST RESULTS, ALARM LOG FOR 2016, DAILY INSPECTION LOG AND THROUGHPUT LOG FOR 2016. ENSURE ALL ALARMS ON VEEDER ROOT MONITOR ARE ADDRESSED
H & K PETROLEUM, INC	161218	NOV	P72407	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6863
'H' STREET COLLISION CENTER, INC	6406	NC	E31665	4/15/2016	4/15/2016	203	Perform maintenance on a 4 DPGs

HALEY BROS INC	13003	NC	E44534	12/11/2018	12/11/2018	203	Submit 2 new applications for Permits F 94055 and F 94056 to correct for filter descriptions for each; clean each filter plenum spray booth and change filters in each booth; Supply all records as stipulated in each AQMD permit.
HALEY BROS INC	13003	NC	E44534	12/11/2018	12/11/2018	42303	Submit 2 new applications for Permits F 94055 and F 94056 to correct for filter descriptions for each; clean each filter plenum spray booth and change filters in each booth; Supply all records as stipulated in each AQMD permit.
HARBER COMPANIES, INC.	186164	NC	E41809	11/17/2017	11/17/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
HARBER COMPANIES, INC.	186164	NC	E46187	11/30/2018	11/30/2018	PERP 2458	Maintain records of material throughput for all PERP registered equipment units.
HARBER COMPOANIES INC	178883	NC	E41726	1/2/2018	1/2/2018	PERP 2460	Failure to contact the home district (SCAQMD) within 45 days after the date of initial issuance or renewal of a registration to arrange required inspection.
HIGHLAND AVENUE ARCO, ALFRED DAHER	158844	NOV	P72384	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6641
HIGHLAND SHELL, NABIL SAADE	170528	NC	E39045	8/25/2017	8/25/2017	461	Ensure all pumps have district phone number signs, provide alarm log, latest reverification test results, pvv results, daily inspections
HIGHLAND SHELL, NABIL SAADE	170528	NOV	P72529	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018.

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							Certified Mail Tracking #7018 0040 0000 1659 9036
HILLS GARDEN HOTEL LLC	182716	NC	E31843	6/30/2016	6/30/2016	203	complete C/O paperwork
HOLLIDAY ROCK CO., INC.	41580	NC	E37018	9/29/2016	9/29/2016	42303	Storage asphalt tanks Submit P/O Modification Applications Baghouse Discharge into a closed container or reclaim dust collected
INTEGRATED DEMOLITION AND REMEDIAION IN	182946	NC	E45721	12/28/2018	12/28/2018	1403	See report tab.
INTEGRATED DEMOLITION AND REMEDIAION IN	182946	NC	E45722	12/28/2018	12/28/2018	1403	Provide a copy of an adequate and complete asbestos survey report that conforms to all of the provisions of Rule 1403(d)(1)(A) to Inspector P.Homsey.
INTEGRATED DEMOLITION AND REMEDIAION IN	182946	NC	E45723	12/28/2018	12/28/2018	1403	Provide a copy of an adequate and complete asbestos survey report that conforms to all of the provisions of Rule 1403(d)(1)(A) to Inspector P.Homsey.
J & J SNACK FOODS CORP. OF CA	165551	NC	E39656	6/21/2017	6/21/2017	1415.1	FINALIZE CARB RMP REGISTRATION AND PAY ANNUAL FEES FOR CY'S 2013, 2014, 2015, 2016; ENTER AUTOMATIC LEAK DETECTION SYSTEM INTO R3
J. O. N. STEEL	182390	NC	E34870	5/3/2016	5/3/2016	203	Do not operate portable diesel fueled IC engine rated greater than 50 hp without a valid SCAQMD PO or a CARB portable registration
JAMIE TORRES	186240	NC	E41436	11/29/2017	11/15/2017	PERP 2460	Submit Appointment Request form for PERP registered engine # 172029. CARB PERP program requires contact of local air district within 45 days of registration

Appendix 4: Enforcement

							issuance/renewal. SCAQMD contact is Appointment Request form.
JB HUNT TRANSPORT LASSEN YARD	183584	NC	E36524	10/28/2016	10/28/2016	403	Do not cause or allow emissions of fugitive dust such that the dust remains visible in the atmosphere beyond the property line of the emission source or the dust exceeds 20 percent opacity. Do not allow track out to exceed 25 feet or more of cumulative l
JUN IRON WORKS	103147	NC	E37938	3/10/2017	3/10/2017	203	Correct Permit description with filters of your Spray Booth from 16 to 12.
KHAN SHELL	155291	NC	E35587	8/23/2016	8/23/2016	461(C)(2)(B)	REPLACE MAIN HOSES # 2, 4, 5, 6 & 8 WITH EXPOSED BRAID. REPAIR/REPLACE BREAKAWAY # 4 (LEAKY) ENSURE ALL ISD ALARMS ARE ADDRESSED. PROVIDE ISD ALARM LOG.
KHAN SHELL	155291	NC	E39072	6/23/2017	6/23/2017	461	KEEP ALARM LOG UPDATED, THROUGHPUT LOG, REPLACE NOZZLE BOOTS # 3 AND 8, REPAIR /REPLACE LOOSE SPOUT #6
KHAN SHELL	155291	NC	E39019	11/16/2017	11/16/2017	461	ENSURE DISPENSERS 3/4, 5/6, 7/8 HAVE APPROVED COMPLAINT NUMBER SIGNS, REPLACE NOZZLE BOOT #3 AND #6, REPLACE /REPAIR NOZZLE #6 WITH LOOSE SPOUT.
KHAN SHELL	155291	NOV	P72330	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 2346
KING EQUIPMENT LLC	168478	NC	E37875	1/3/2017	1/3/2017	PERP 2458	Maintain written evidence of the receipt of the registration(s) by the customer.

KING EQUIPMENT LLC	168478	NC	E38201	1/3/2017	1/3/2017	222	Submit R222 registration form for equipment with a diesel fired heater/burner with max capacity rating of 550,000 Btu per hr. or less.
KING EQUIPMENT LLC	168478	NC	E45971	12/20/2018	12/20/2018	PERP 2460	Failure to contact the district within 45 days for an inspection
KOMAL OIL INC	180676	NC	E32753	2/16/2016	2/16/2016	461(C)(2)(B)	ENSURE COMMUNITY PORT SETTING PRINTOUT INDICATES ALL DATA.
KOMAL OIL INC	180676	NC	E39075	7/13/2017	7/13/2017	461	POST CURRENT P/O AT SITE, PROVIDE LATEST PERIODIC COMPLIANCE INSPECTION
KOMAL OIL INC	180676	NOV	P70699	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 1869
KWIK STOP DAIRY & GASOLINE	70051	NC	E33396	2/16/2016	2/16/2016	461	REPLACE CRACKED HOSES ON NOZZLES 5 & 6 WITH LOW PERM HOSES THAT HAVE A STRIP ON ITS SIDE. PRODUCE JUL, AUG, SEP 2015 & JAN 2016 GAS THROUGHPUT. CLEAN ALL STANDING WATER IN ALL OVERSPILL CONTAINERS ON THE PROPERTY.
KWIK STOP DAIRY & GASOLINE	70051	NC	E33396	2/16/2016	2/16/2016	461(C)(1)(A)	REPLACE CRACKED HOSES ON NOZZLES 5 & 6 WITH LOW PERM HOSES THAT HAVE A STRIP ON ITS SIDE. PRODUCE JUL, AUG, SEP 2015 & JAN 2016 GAS THROUGHPUT. CLEAN ALL STANDING WATER IN ALL OVERSPILL CONTAINERS ON THE PROPERTY.

KWIK STOP DAIRY & GASOLINE	70051	NC	E33396	2/16/2016	2/16/2016	461(C)(2)(B)	REPLACE CRACKED HOSES ON NOZZLES 5 & 6 WITH LOW PERM HOSES THAT HAVE A STRIP ON ITS SIDE. PRODUCE JUL, AUG, SEP 2015 & JAN 2016 GAS THROUGHPUT. CLEAN ALL STANDING WATER IN ALL OVERSPILL CONTAINERS ON THE PROPERTY.
LA CADENA ENTERPRISES, INC.	175188	NOV	P72628	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1659 6517
LAUREL STREET UNDERCROSSING	174776	NC	E37931	2/23/2017	2/23/2017	42303	Produce information on Permit discrepancies for Equipment decryption for G26534.
LKQ PICK A PART - SAN BERNARDINO/LKQ MID	170162	NOV	P71763	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4849
LLUAHSC_SB_125	180967	NC	E39234	6/6/2017	5/24/2017	42303	Provide copy of rental agreement with United Rentals for portable emergency generator under registration # 161676, and provide installation date for PERP registered generator to verify portability of unit under registration # 161676.
M & J UNION 76, RAFAAT R LUGA	148835	NOV	P70805	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8619
MAACO	176254	NC	E36687	7/29/2016	7/29/2016	42303	42303 for 2 years VOC records since 1/1/2014

MARS PETCARE U.S., INC.	38872	NC	E37943	5/9/2017	5/9/2017	42303	Produce all operation maintenance records for all scrubbers, baghouses, and extruders from January 2016 to the present.
MARS PETCARE U.S., INC.	38872	NC	E37946	5/25/2017	5/25/2017	42303	Produce: maintenance specs from all manuf. for all air pollution control equipment and extruders; documents for age of all air pollution control equipment; info on any changes of dog meal formula over last 2 years; info on PM & sanitation maintenance schedules.
MASTER AUTO COLLISION	184773	NC	E39352	5/10/2017	5/10/2017	1151	Provide record of VOC coating material usage
MATICH CORP	71605	NC	E41810	11/17/2017	11/17/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
MATICH CORP	135135	NOV	P63956	2/18/2016	10/17/2013	1146.2	(1)Operating an asphalt oil storage tank without a valid permit to operate.(2) Failure to demonstrate compliance with Rule 1146.2 NOx emission limits for the asphalt oil storage tank.
MATICH CORP	135135	NOV	P63956	2/18/2016	10/17/2013	203(A)	(1)Operating an asphalt oil storage tank without a valid permit to operate.(2) Failure to demonstrate compliance with Rule 1146.2 NOx emission limits for the asphalt oil storage tank.
MEDLINE INDUSTRIES, INC.	180785	NC	E37950	6/2/2017	6/2/2017	42303	Produce Engine operating records that distinguish between maintenance and testing events.

MESA GENERAL ENGINEER	179276	NC	E34455	8/25/2016	8/25/2016	403	The company shall: implement BACM to ensure adequate dust control measures; not allow fugitive dust emissions to exceed 20% opacity as a result of a moving vehicle; not allow fugitive dust to remain visible in the atmosphere beyond the property line
MESA GENERAL ENGINEER	179276	NOV	P65504	10/11/2016	10/7/2016	403	Allowed fugitive dust emissions generated by disturbed surface areas to cross boundary of emission source; Failure to implement BACM as required by Rule 403
MET AUTO SERVICE	117476	NC	E34630	8/5/2016	8/5/2016	461	HAVE YOUR VAPOR RECOVERY SYSTEM SERVICED DUE TO CONTAINMENT VAPOR LEAKS, CONTAINMENT GROSS & DEGRADATION. HAVE SALVADOR HUERO TRAINED FOR DAILY VAPOR RECOVERY INSPECTIONS AND PRODUCE PROOF OF CERTIFICATE.
MET AUTO SERVICE	117476	NC	E34630	8/5/2016	8/5/2016	461(C)(2)(B)	HAVE YOUR VAPOR RECOVERY SYSTEM SERVICED DUE TO CONTAINMENT VAPOR LEAKS, CONTAINMENT GROSS & DEGRADATION. HAVE SALVADOR HUERO TRAINED FOR DAILY VAPOR RECOVERY INSPECTIONS AND PRODUCE PROOF OF CERTIFICATE.
MET AUTO SERVICE	117476	NOV	P71976	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8830
MIDLAND OIL GROUP, LLC ARCO AMPM #82994	160021	NOV	P72396	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 6757

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MIKE THOMPSONS RV	170323	NC	E37937	3/9/2017	3/9/2017	203	Produce all VOC coating records for all coating and solvents from 2/16 to present; Produce all SDS for coatings and solvents used at facility; Repair or replace spray booth Dywer gauge, sb filter with a hole in it.
MIKE THOMPSONS RV	170323	NC	E37937	3/9/2017	3/9/2017	42303	Produce all VOC coating records for all coating and solvents from 2/16 to present; Produce all SDS for coatings and solvents used at facility; Repair or replace spray booth Dywer gauge, sb filter with a hole in it.
MONTECITO MEMORIAL PARK	150554	NOV	P71732	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 4535
MSL ELECTRIC INC.	172841	NC	E40218	8/2/2017	8/2/2017	PERP 2458	Provide Records of Engine Model, S/N, make and BHP
MT. VIEW CEMETERY	8660	NOV	P71319	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0385
NACK SUNG JEUNG BE LO SA	178276	NOV	P72796	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 4663
NATIONAL ORANGE SHOW	67549	NOV	P63966	10/19/2017	10/10/2017	403(D)(1)	The facility allowed dust to remain visible in the atmosphere beyond the property line and the facility conducted an active operation without utilizing the applicable best available control measures.

NATIONAL ORANGE SHOW	67549	NOV	P63966	10/19/2017	10/10/2017	403(D)(2)	The facility allowed dust to remain visible in the atmosphere beyond the property line and the facility conducted an active operation without utilizing the applicable best available control measures.
NIAGARA BOTTLING, LLC	180538	NC	E35961	5/5/2017	5/5/2017	203(B)	Provide records and source test for permits to operate G45647, G42091 & G37939
NINO'S NUMBER ONE INC	170035	NC	E31656	1/28/2016	1/28/2016	203(B)	Submit Administrative change for # of filters - has 30 and permit says 24
NK DEMOLITION	185172	NOV	P61123	10/6/2017	7/11/2017	1403	FAILURE TO CONDUCT AN ASBESTOS SURVEY, FAILURE TO NOTIFY OF THE DEMOLITION 10 WORKING DAYS PRIOR, FAILURE TO SUBMIT THE REQUIRED REVISIONS.
NM MID VALLEY GENCO LLC	129660	NC	E40089	11/2/2017	11/2/2017	42303	Submit the following data from 01/01/2016 to present: CEMS data in 15 min. intervals, all CEMS down time incidents, verification of excess emissions and CEMS down time incidents from 01/01/2016 to present
NM MID VALLEY GENCO LLC	129660	NOV	P66410	2/1/2018	1/1/2016	1110.2	Failure to report exceedances of NOx concentrations from engine 1 & 2 within 24 hours or next working day; Failure to notify SCAQMD with 24 hours or next working day of CEMS shutdowns exceeding 24 consecutive hours; Failure to operate a Title V facility
NM MID VALLEY GENCO LLC	129660	NOV	P66410	2/1/2018	1/1/2016	218	Failure to report exceedances of NOx concentrations from engine 1 & 2 within 24 hours or next working day; Failure to notify SCAQMD with 24 hours or next working day of CEMS shutdowns exceeding 24 consecutive hours; Failure to operate a Title V facility

NM MID VALLEY GENCO LLC	129660	NOV	P66410	2/1/2018	1/1/2016	3002	Failure to report exceedances of NOx concentrations from engine 1 & 2 within 24 hours or next working day; Failure to notify SCAQMD with 24 hours or next working day of CEMS shutdowns exceeding 24 consecutive hours; Failure to operate a Title V facility
NOEL CORROS	181500	NOV	P61567	1/17/2016	1/17/2016	444(D)	Burning of green waste on a no burn day in a residential neighborhood
OPERATING ENGINEERS TRAINING TRUST	141772	NC	E21155	9/14/2016	8/23/2016	PERP 2460	Within 45 days after the date of initial issuance or renewal of a registration the owner or operator shall contact the home district to arrange for inspection of the equipment
OPERATING ENGINEERS TRAINING TRUST	183447	NC	E21156	9/14/2016	8/23/2016	203(A)	The company shall submit an application to obtain a SCAQMD stationary source P/O for the aggregate plant and its associated baghouse
ORANGE OIL CO - COLTON	143229	NOV	P72158	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5011
ORANGE SHOW FOOD MART, DIGANT THAKER	153039	NOV	P70784	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 8404
P.W. STEPHENS ENVIRONMENTAL INC	163406	NC	E38937	10/19/2017	10/19/2017	1403	SECURE & STABILIZE DEBRIS. HAVE CAC PERFORM ASBESTOS CONTAMINATION ASSESSMENT (WORK AREAS & DEBRIS BIN). PROVIDE COPY OF CAC REPORT TO INSPECTOR P. HOMSEY

PABLO'S ORNAMENTAL IRON WORKS	176638	NC	E39351	5/10/2017	5/10/2017	1136	Provide record of paint use for painting wood
PACWEST ENGINEERING CO INC	186656	NC	E41727	1/26/2018	12/22/2017	TITLE13ARTICL E5S	A placard shall be required for every engine or equipment unit registered in the Statewide Registration Program. The placard shall be affixed on the registered engine or equipment unit at all times so that it may be easily viewed from a distance.
PARK WEST ENTERPRISES INC	174217	NC	E34456	10/12/2016	10/12/2016	42303	The company shall provide the following information: inventory of diesel fueled ICEs rated greater than 50 HP (aux. engines like vacuum pump units) provide make, model, serial#, HP rating, yr. of mfg.; location of operation of the aux. ICE; list of companies that use
PAVEMENT RECYCLING SYSTEMS	169575	NC	E37098	11/4/2016	11/4/2016	203(A)	Do not operate engine without first obtaining a CARB portable equipment registration.
PAVEMENT RECYCLING SYSTEMS	169575	NC	E37099	11/4/2016	11/4/2016	PERP 2458	Provide records. Maintain registration certificate with equipment at all times. Affix metal placard in visible location. Affix registration sticker. Correct the certification to reflect information on equipment nameplate. Submit appointment request forms.
PAVEMENT RECYCLING SYSTEMS	169575	NC	E37099	11/4/2016	11/4/2016	PERP 2460	Provide records. Maintain registration certificate with equipment at all times. Affix metal placard in visible location. Affix registration sticker. Correct the certification to reflect information on equipment nameplate. Submit appointment request forms.

PAVEMENT RECYCLING SYSTEMS	169575	NC	E37099	11/4/2016	11/4/2016	TITLE13ARTICLE55	Provide records. Maintain registration certificate with equipment at all times. Affix metal placard in visible location. Affix registration sticker. Correct the certification to reflect information on equipment nameplate. Submit appointment request forms.
PAVEMENT RECYCLING SYSTEMS, INC	140802	NC	E41779	1/4/2018	1/4/2018	42303	Provide throughput records for units registered: 162884, 162883, 173683, 173682, 173684
PHILLIPS 66 COLTON TERMINAL _ EAST	171329	NC	E22542	8/23/2018	5/24/2018	3002	Resubmit Title V 500 SAM Correct Date
PIPE JACKING TRENCHLESS, INC	183929	NC	E38222	1/19/2017	1/19/2017	TITLE13ARTICLE55	Submit change of ownership form to CARB for all registrations including 153422, 156857 and 167403.
PSIP SHAW LEXINGTON, LLC	183455	NC	E37948	5/31/2017	5/31/2017		
PYRAMID PRECAST INC	19718	NC	E37017	9/28/2016	9/28/2016	42303	Provide monthly diesel (gallons) and concrete (cubic yards) amounts for the last two years Provide monthly cement (tons) amounts for the last two years
QUANTUM FREIGHT	185894	NOV	P63965	10/19/2017	10/10/2017	403(D)(1)	The facility allowed dust to remain visible in the atmosphere beyond the property line and the facility conducted an active operation without utilizing the applicable best available control measures.
QUANTUM FREIGHT	185894	NOV	P63965	10/19/2017	10/10/2017	403(D)(2)	The facility allowed dust to remain visible in the atmosphere beyond the property line and the facility conducted an active operation without utilizing the applicable best available control measures.
QWIK STOP, ALI YASIN DBA	108901	NC	E35604	10/6/2016	10/6/2016	461	PROVIDE LATEST REVERIFICATION TEST RESULTS, LATEST PRESSURE VACUUM VALVE TEST RESULTS, LATEST PERIODIC COMPLIANCE INSPECTION AND METHODOLOGY 4 & 6 TEST RESULTS.
QWIK STOP, ALI YASIN DBA	108901	NC	E35612	1/5/2017	1/5/2017	461	Conduct Method 4 and 6 by 12_31_17

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QWIK STOP, ALI YASIN DBA	108901	NOV	P63221	1/5/2017	12/1/2014	461	Failure to conduct reverification testing annually for 2014,2015 and 2016
RALPH'S GROCERY CO, FOOD 4 LESS #786	135720	NOV	P70881	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7017 1450 0002 1529 9371
RANCHO VERDE CLEANERS, CHARLES RYU DBA	122105	NC	E35959	5/2/2017	5/2/2017	1421	Provide mileage records of 2016
RECHE CANYON REHABILITATION	143749	NC	E29968	9/2/2016	9/2/2016	2202	R2202 plan and fees
RESIDENTIAL ASBESTOS	95762	NC	E40456	7/5/2017	7/5/2017	1403	**SEE REPORT TAB FOR COMPLIANCE INSTRUCTIONS**
RESIDENTIAL ASBESTOS	95762	NC	E40456	7/5/2017	7/5/2017	42303	**SEE REPORT TAB FOR COMPLIANCE INSTRUCTIONS**
RESIDENTIAL ASBESTOS	95762	NC	E38943	1/5/2018	1/5/2018	1403	Prior to resuming demolition, secure & stabilize the work area. Have CAC produce a compliant survey report suitable for a demolition. If asbestos is found, hire a certified asbestos contractor for removal. Have CAC assess for possible P5 due to damaged
RESIDENTIAL ASBESTOS	95762	NC	E38949	2/6/2018	2/6/2018	1403	Prior to resuming demolition, have CAC assess work areas and debris piles for the presence of asbestos. If asbestos is found, have CAC write a P5 cleanup plan to be approved by SCAQMD and executed by a certified asbestos abatement contractor.
RESIDENTIAL ASBESTOS	95762	NC	E43455	3/13/2018	3/9/2018	40701(G)	PLEASE PROVIDE EVIDENCE AND COPIES OF THE FOLLOWING: DATES STRUCTURE WAS DEMOLISHED; PERSON(S) INVOLVED WITH DEMOLITION OF STRUCTURE, (NAME(S) ADDRESSES AND PHONE NUMBERS); ALL DEMOLITION NOTIFICATIONS; PRIOR ASBESTOS SURVEY(S);
RESIDENTIAL ASBESTOS	95762	NC	E42845	7/13/2018	7/13/2018	40701(G)	Provide evidence and copies of the following: Prior asbestos survey; Building & Safety permits; Contracts, work orders and scopes of work; waste manifests; Business license

RESIDENTIAL ASBESTOS	95762	NC	E45160	8/21/2018	8/21/2018	1403	Prior to resuming the demolition/renovation at the location address, secure & stabilize debris bin, debris piles and work areas. Have a CAC assess debris bin, debris piles and work areas for the presence of asbestos. If asbestos is found, have CAC write
RESIDENTIAL ASBESTOS	95762	NC	E45161	8/21/2018	8/21/2018	40701(G)	Provide the following for work performed at the location address: Prior asbestos survey; asbestos removal notifications; contracts; Building & Safety permits
RESIDENTIAL ASBESTOS	95762	NC	E45162	9/4/2018	9/4/2018	1403	Secure & stabilize work areas, debris piles & debris bin; Have CAC assess work areas, debris piles & debris bin for the presence of asbestos; If asbestos is found, have CAC write a P5 cleanup plan to be approved by SCAQMD and executed by a certified
RESTORATION MANAGEMENT CO.	159842	NC	E30042	4/7/2016	1/29/2016	42303	PROVIDE PROOF OF THE FOLLOWING FOR THE EMERGENCY RENO PROJECT: PROPERTY OWNER ABRAHAM MEDALLION AND GENERAL CONTRACTOR (HARCO) NAME, MAILING ADDRESS & PHONE NUMBER
RESTORATION MANAGEMENT CO.	159842	NC	E30043	4/7/2016	1/29/2016	1403	PROVIDE PROOF OF FOLLOWING FOR THE EMERGENCY RENO PROJECT: 1) FACILITY SURVEY OF ALL AFFECTED FRIABLE & CLASS I & CLASS II NON-FRIABLE ACM; 2) ORIGINAL NOTIF & REVISED FEES PURSUANT TO RULE 301; 3) DATE & HR OF EMERGENCY OCCURED & DISCRPTION....
RIALTO UNIFIED SCHOOL DISTRICT	46307	NC	E44514	8/28/2018	8/28/2018	203	Clean out all gasoline overspill containers, Prove that on site PV valve is current CARB certified, Prove that all spray guns used in spray booth are Transfer Efficiency of at least 65%, Repair or replace the spray booth pressure gauge.
RIALTO UNIFIED SCHOOL DISTRICT	46307	NC	E44514	8/28/2018	8/28/2018	42303	Clean out all gasoline overspill containers, Prove that on site PV valve is current CARB certified, Prove that all spray guns used in spray booth are Transfer Efficiency of at least 65%, Repair or replace the spray booth pressure gauge.
RIALTO UNIFIED SCHOOL DISTRICT	46307	NC	E44514	8/28/2018	8/28/2018	461	Clean out all gasoline overspill containers, Prove that on site PV valve is current CARB certified, Prove that all spray guns used in spray booth are Transfer Efficiency of at least 65%, Repair or replace the spray booth pressure gauge.

ROUNSVILLES AUTO BODY	118735	NC	E31662	2/9/2016	2/9/2016	42303	Submit 2015 VOC records
S & J CONCRETE PUMPING, INC.	183833	NC	E38215	1/10/2017	1/10/2017	PERP 2460	Contact SCAQMD within 45 days after the date of initial issuance or renewal of a CARB registration to arrange the required inspection.
S & S BASELINE 76	166898	NOV	P72482	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0040 0000 1660 5936
SAFEWAY BUILDING SERVICES, INC	176270	NC	E38224	1/20/2017	1/20/2017	PERP 2460	Contact the home district within 45 days after the initial issuance or renewal of a CARB registration to arrange for the required inspection.
SAHI ENTERPRISES, INC.	168560	NC	E39046	8/30/2017	8/30/2017	461	POST P/O ON SITE, REPLACE MAIN HOSE #7, And ENSURE ALL PUMPS HAVE DISTRICT PHONE NUMBER. PROVIDE THROUGHPUT LOG
SAHI ENTERPRISES, INC.	168560	NOV	P72506	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7016 0750 0000 5020 7778
SALVADOR RODRIGUEZ	186630	NC	E42703	1/23/2018	1/23/2018	1403	SECURE AND STABILIZE DEBRIS. PRIOR TO CONTINUING RENOVATION, HAVE CARTIFIED ASBESTOS CONSULTANT (CAC) PERFORM ASBESTOS CONTAMINATION ASSESSMENT (FRONT LAWN, DRIVEWAY, BACKYARD, AND INTERIOR). PROVIDE A COPY OF CAC'S REPORT TO INSP. HOMSEY.
SAM'S CLUB FUELING STATION #6624	135782	NC	E32732	1/5/2016	1/5/2016	461	PROVIDE CURRENT PRESSURE VACUUM VALVE TEST RESULTS.
SAM'S CLUB FUELING STATION #6624	135782	NC	E42588	5/9/2018	5/9/2018	461	PROVIDE METHOD 6 TEST RESULTS
SAN BER CNTY SOLID WASTE MGMT MID VALLEY	50299	NC	E40091	11/3/2017	11/3/2017	3002	Submit a Title V permit application for all sources operated under Athens Services.
SAN BER CNTY SOLID WASTE MGMT MID VALLEY	50299	NC	E42844	7/11/2018	7/5/2018	40701(G)	Provide installation date and operating records for the diesel fueled electric generator used to power leachate equipment under Permit to Operate R_D59130. This generator carried PERP registration number 127098.

SAN BERN CITY UNI SCH DIST,ALESSANDRO SC	2031	NC	E31836	2/10/2016	2/10/2016	1415	Apply for registration for the 5 A/C units with 56#s Freon in each
SAN BERN CITY UNI SCH DIST,DIST ADMIN OF	23773	NC	E31840	2/26/2016	2/26/2016	42303	Supply status of 1415 units previously registered, spec sheet for ICE.
SAN BERN CITY UNIFIED SCHOOL DIST	8144	NC	E31841	2/26/2016	2/26/2016	42303	Supply me with copies of reverification tests for 2013 and 2015.
SAN BERN CITY UNIFIED SCHOOL DIST	8144	NOV	P61571	3/25/2016	6/1/2015	461 (E) (2)	Operation of a gasoline storage and dispensing facility without the 2015 reverifications tests
SAN BERN CITY UNIFIED SCHOOL DIST	8144	NOV	P71315	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 2620 0001 1050 0347
SAN BERNARDINO CITY MUN WATER DEPT (H2O)	97084	NC	E31837	2/10/2016	2/10/2016	203	Apply for a P/O for the ICE.
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	11301	NC	E31419	11/30/2016	11/30/2016	203	SUBMIT A COPY OF THE OPERATIONS AND MAINTENANCE LOG FOR THE EQUIPMENT THAT WAS REPORTED IN THE BREAKDOWN NOTIFICATION FROM 11/1/16 TO 12/2/16.
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	11301	NC	E31420	12/20/2016	12/15/2016	203	Submit a copy of the operations and maintenance log for the boiler in the reported breakdown on 12/15/16.
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	11301	NC	E40083	8/3/2017	8/1/2017	1110.2	SUBMIT ALL SOURCE TEST REPORTS WITHIN 60 DAYS OF COMPLETION OF TEST
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	11301	NC	E38933	10/10/2017	10/10/2017	203(B)	Collect daily readings of hydrogen sulfide per condition 9 of Permit to Operate G40829.
SAN BERNARDINO CITY MUN WATER DEPT (WRP)	11301	NOV	P61122	10/6/2017	6/24/2017	203	FAILURE TO RECORD THE DAILY HYDROGEN SULFIDE CONCENTRATION FOR HEADWORKS SCRUBBERS.
SAN BERNARDINO CITY UNIFIED SCHOOL DIST	84043	NC	E31842	3/25/2016	3/25/2016	222	Apply for R222 registration for you 3 boilers

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SAN BERNARDINO CITY UNIFIED SCHOOL DIST	84043	NOV	P61569	3/25/2016	9/1/2015	461 (E) (2)	Not performing the 2015 R461 reverification tests.
SAN BERNARDINO CITY UNIFIED SCHOOL DISTR	51440	NC	E31668	5/26/2016	5/26/2016	203	Update ICE log
SAN BERNARDINO CITY, WATER & POWER DEPT	126656	NC	E30039	3/29/2016	3/24/2016	203	SUBMIT APP FOR PERMIT MODIF (ID126659, P/O F37183 AN 380832) FACILITY NAME (SAN BERNARDINO CITY MUNICIPAL WATER DEPT) & ADDRESS 399 CHANDLER PL, SAN BERDU, CA 92408, EQUIPMENT INFO ON CATERPILLAIR ENGINE PLATE (MODEL #3412DI, 890HP &664KW
SAN BERNARDINO CO VEHICLE SRV DEPT, CVSC	91146	NC	E37093	9/30/2016	9/28/2016	203 (A)	Do not operate engine without first obtaining an AQMD permit to operate.
SAN BERNARDINO INTERNATIONAL AIRPORT	185965	NC	E41140	10/26/2017	10/26/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
SAN BERNARDINO INTERNATIONAL AIRPORT AUT	172467	NC	E44513	8/24/2018	8/24/2018	42303	Produce all records under P/O G21074 conditions 15, 16, 17, and 18.
SAN BERNARDINO INTERNATIONAL AIRPORT AUT	172467	NOV	P63149	10/5/2018	8/1/2014	203	Failure to show compliance by not operating as per permit condition #8 (Testing requirements under Rule 461). Failure under Rule 461 unit for G21074 since 8/1/14 as required.
SAN BERNARDINO INTERNATIONAL AIRPORT AUT	172467	NOV	P63149	10/5/2018	8/1/2014	461	Failure to show compliance by not operating as per permit condition #8 (Testing requirements under Rule 461). Failure under Rule 461 unit for G21074 since 8/1/14 as required.
SAN BERNARDINO INTERNATIONAL AIRPORT AUT	172467	NOV	P68255	10/11/2018	10/1/2014	203	Failure to show compliance by exceeding 1500 gallons in any one month for 12 months (from 2016 to present)
SAN BERNARDINO INTERNATIONAL AIRPORT AUT	172467	NOV	P68255	10/11/2018	10/1/2014	461	Failure to show compliance by exceeding 1500 gallons in any one month for 12 months (from 2016 to present)
SAN BERNARDINO VALLEY COLLEGE	72194	NC	E37014	9/20/2016	9/20/2016	1146.2	Provide gas bills for Liberal Arts Building since January 2014 Provide manufacture date for Ajax Boiler Provide generator log for CTB and Media & Communication Buildings since January 2014 Register 3 boilers for Gymnasium Building

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SAN BERNARDINO VALLEY COLLEGE	72194	NC	E37014	9/20/2016	9/20/2016	1470	Provide gas bills for Liberal Arts Building since January 2014 Provide manufacture date for Ajax Boiler Provide generator log for CTB and Media & Communication Buildings since January 2014 Register 3 boilers for Gymnasium Building
SAN BERNARDINO VALLEY COLLEGE	72194	NC	E37014	9/20/2016	9/20/2016	222	Provide gas bills for Liberal Arts Building since January 2014 Provide manufacture date for Ajax Boiler Provide generator log for CTB and Media & Communication Buildings since January 2014 Register 3 boilers for Gymnasium Building
SB COUNTY, FACILITIES MGMT DEPT	73935	NOV	P62043	6/3/2016	12/22/2015	203 (A)	The facility above was operating two Isuzu ICES rated 150 HP without a SCAQMD permit to operate.
SBCUSD, INDIAN SPRINGS HIGH SCHOOL	176134	NC	E31839	2/26/2016	2/26/2016	222	Register 2 boilers
SHANCOR TESTING	140518	NOV	P65454	4/12/2017	3/23/2017	461(E)(3)	Failure to notify SCAQMD 24 hours prior to originally scheduled time that the test would not be conducted at the originally scheduled date and time.
SHANDIN HILLS GOLF CLUB EAGLE GOLF	179539	NOV	P71158	12/1/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #70171450000217317110
SHOEB INTERPRISES INC,	153290	NOV	P72283	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 1882
SHOP N GO	179600	NC	E39056	5/11/2017	5/11/2017	461	PROVIDE LATEST PCI
SIGMA PETROLEUM INC	184823	NC	E37379	6/8/2017	6/8/2017	203	obtain a Permit to Operate under new ownership; post required SCAQMD signs on # 1, 3, 4; make available monthly throughput records since 2014
SIGMA PETROLEUM INC	184823	NC	E37379	6/8/2017	6/8/2017	461	obtain a Permit to Operate under new ownership; post required SCAQMD signs on # 1, 3, 4; make available monthly throughput records since 2014
SMC GREASE SPECIALIST INC	177783	NC	E21158	9/21/2016	8/4/2016	42303	The company shall provide the following information: All details (specs) of all ICES rated >50HP. Arrange verification of data (inspection); all details regarding plans to stop using ICES to pump grease into the facility (plant). Provide timeline and equip.

Appendix 4: Enforcement

SOUTHLAND PIPE CORP	145945	NC	E37016	9/27/2016	9/27/2016	42303	Interior lining batch plant / cement silo Provide list of modifications Exterior lining batch plants Provide capacity of mixers Cement silos Monthly amounts of cement received (barrels) for last two years Interior lining batch plant
SPRAY ENCLOSURE TECHNOLOGIES, INC	144776	NC	E21151	6/22/2016	6/17/2016	203 (A)	The company shall not operate any plasma cutting equipment to cut stainless steel without first obtaining a SCAQMD permit to operate (Esab unit, PCM 875, max 60A)
SPRAY ENCLOSURE TECHNOLOGIES, INC	144776	NC	E21152	6/22/2016	6/17/2016	42303	The company shall provide the following: specification sheet for Maxon burner (size 1.6M) installed on oven under P/O F76344; powder coating usage records for 2015 and 2016 (monthly logs); manufacturer specifications for burners tested at natural gas line test
SPRAY ENCLOSURE TECHNOLOGIES, INC	144776	NC	E21153	6/22/2016	6/17/2016	203 (A)	The company shall submit the following applications: to correct the permit description for the powder coating booth (F76343) so that it reflects the correct equipment specifications (modification); to permit the laser cutting system (Mazak); to permit the
SPRAY ENCLOSURE TECHNOLOGIES, INC	144776	NC	E34454	7/28/2016	6/17/2016	203 (B)	The company shall submit a source test protocol for review in order to source test the 30 ppm NOx emission limit indicated by the oven permit conditions
SPRAY ENCLOSURE TECHNOLOGIES, INC	144776	NOV	P65505	10/14/2016	1/2/2014	203 (A)	Failure to obtain a SCAQMD permit to operate the following equipment units: powder coating booth (prev. P/O F76343); powder coating oven (prev. P/O F76344); Mazak laser cutter and assoc. APC; three natural gas fired burner test stands
ST MINA'S CLEANERS	180516	NC	E37032	5/2/2017	5/2/2017	42303	Provide Solvent Purchase Invoice and Waste Manifest for the last two (2) years provide Safety Data Sheet (SDS) for solvent Start maintaining Monthly Leak Annual Mileage, and Daily Check Records
ST MINA'S CLEANERS	180516	NC	E39240	6/29/2017	6/29/2017	1102	Provide records of petroleum solvent purchases for 2016 (gallons purchased and put into unit), and keep all waste containers for dry cleaning unit covered/closed at all times.
STATEN SOLAR	184818	NOV	P63137	6/1/2017	5/31/2017	403	Allowing track out to extend 25 feet or more in cumulative length from point of origin from an active operation;

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STATER BROS MARKETS	185968	NC	E41139	10/26/2017	10/26/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
STATER BROS. MARKETS	152227	NC	E38409	7/20/2018	7/20/2018	2202	PROVIDE INFORMATION ON TOTAL EMPLOYEES AND PEAK WINDOW EMPLOYEES AT WORK SITE
STI DEMOLIT'N, INC. DBA FULL SCALE DEMOL	153756	NC	E42848	7/24/2018	7/20/2018	40701(G)	Provide evidence & copies of the following for work performed at the location address: Prior asbestos survey; asbestos removal notifications; CSLB Contractors license; DOSH License to remove asbestos; contracts & scopes of work; Building & Safety permits
STRONGHOLD ENGINEERING INC	152459	NC	E41138	10/25/2017	10/25/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection. Identification (orange) sticker needs to be affixed to the equipment.
STRONGHOLD ENGINEERING INC	152459	NC	E41138	10/25/2017	10/25/2017	TITLE13ARTICLE5S	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection. Identification (orange) sticker needs to be affixed to the equipment.
SUGAR CREEK ENTERPRISES	186489	NC	E39693	10/19/2017	10/19/2017	403	Stabilize all unpaved land on lot using any BACM available.
SUKUT CONSTRUCTION INC.	120476	NC	E40251	6/23/2017	6/23/2017	PERP 2458	Provide records for engines with the CARB registration numbers 130804 and 130801.
SUKUT CONSTRUCTION, LLC	176677	NOV	P63147	8/22/2018	8/21/2018	403	No person shall allow track out to extend 25 feet or more in cumulative length from point of origin from active operation.
SUKUT EQUIPMENT INC	78102	NC	E37089	9/27/2016	9/27/2016	PERP 2458	Provide records required by the registration certificate for January 2015 to present.
SUNBURST BIO PRODUCTS	185724	NC	E39246	9/22/2017	9/22/2017	203 (A)	Do not operate Ajax boiler rated at 1 million btu/hr. without a valid registration.
SUNOIL RETAIL GROUP INC	179544	NC	E39055	5/11/2017	5/11/2017	461	PROVIDE LATEST PERIODIC COMPLIANCE INSPECTION AND REVERIFICATION TEST RESULTS
SUNOIL RETAIL GROUP INC	179544	NOV	P70589	11/29/2017	3/2/2017	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2017. Certified Mail Tracking #7016 1970 0001 0459 0572

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SUNSTATE EQUIPMENT CO, LLC.	180588	NC	E29072	2/24/2016	2/19/2016	203(A)	Do not operate portable Internal Combustion Engine (ICE) greater than 50 brake horsepower without a CARB PERP Registration or SCAQMD permit.
SUNSTATE EQUIPMENT CO, LLC.	180588	NC	E37157	9/15/2016	9/15/2016	TITLE13ARTICLE5S	R 2453 (n) - The registration identification device (placard and sticker) shall be affixed on the engine or equipment unit at all times so that it may be easily viewed from a distance
SUNWEST PRINTING INC	133213	NC	E44515	8/30/2018	8/30/2018	42303	Produce updated SDS for all ink coatings and cleaning solvents used on the premises; Produce all records as required in Permit F54201 conditions 8_11 for the last 2 years from today's date.
SUPERIOR TANK LINES	186567	NC	E41626	1/3/2018	1/3/2018	203(A)	Do not operate portable ICE rated over 50 BHP without first obtaining a valid CARB Registration or AQMD Permit.
TARGET CORPORATION	173527	NC	E37947	5/25/2017	5/25/2017	203 (A)	Correct permit equipment description of KWM for P/O G23201 for the Cummins ICE.
TELACU HOUSING - SAN BERNARDINO INC	134396	NC	E31658	2/3/2016	2/3/2016	203	203 - Make ICE M/N match actual, update ICE log.
TELACU HOUSING SAN BERNARDINO II INC	145391	NC	E31657	2/3/2016	2/3/2016	203	submit application to correct M/N, update ICE log
TESORO (USA) 63029	171725	NC	E39004	9/29/2017	9/29/2017	461	PROVIDE 2017 PERIODIC COMPLIANCE INSPECTION
TESORO (USA) 63323	171727	NC	E35580	8/12/2016	8/12/2016	461	PROVIDE MOST RECENT REVERIFICATION TEST RESULTS.
THE GAGE CANAL COMPANY	94996	NC	E34440	5/3/2016	5/3/2016	42303	The company shall provide the last PA test report that was performed in 2013 for well site 29-3
THE GAGE CANAL COMPANY	94997	NC	E34441	5/3/2016	5/3/2016	42303	The company shall provide the following records: last PA test for 2013; operating log records from 5/1/15 to 8/30/15; all 2016 PA testing records; all monthly ICE op log records for 2016; last two s. test reports (any tests done between 12/15/10 & 09/23/14
THE GAGE CANAL COMPANY	94997	NOV	P62036	3/29/2016	7/16/2014	1110.2	Failure to timely submit quarterly engine reports for 2nd and 4th quarter 2014, and 2nd quarter 2015.
THE GAGE CANAL COMPANY	94999	NOV	P62037	3/29/2016	7/16/2014	1110.2	Failure to timely submit quarterly engine reports for 2nd and 4th quarter 2014, and 2nd quarter 2015.

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THE GAGE CANAL COMPANY	94996	NOV	P62038	3/29/2016	7/16/2014	1110.2	Failure to timely submit quarterly engine reports for 2nd and 4th quarter 2014, and 2nd quarter 2015.
THE GAGE CANAL COMPANY	95000	NOV	P64162	4/1/2016	7/16/2014	1110.2	failure to submit quarterly reports within 15 days of the end of the calendar quarter
THE HOME DEPOT #610	104327	NC	E39231	5/24/2017	5/24/2017	1470	Provide operating log for emergency generator to prove compliance with permitted limits of operation, and post a copy of the permit to operate on site.
THE HOME DEPOT #610	104327	NC	E39231	5/24/2017	5/24/2017	206	Provide operating log for emergency generator to prove compliance with permitted limits of operation, and post a copy of the permit to operate on site.
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41137	10/20/2017	10/20/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41824	12/5/2017	12/5/2017	42303	Provide location of operation records.
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41629	1/18/2018	1/18/2018	203 (A)	Obtain a valid CARB registration or SCAQMD permit
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41638	2/16/2018	2/16/2018	203 (A)	Obtain a valid CARB registration or SCAQMD permit
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41640	2/22/2018	2/22/2018	42303	Provide change of ownership documentation for several units
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NC	E41641	2/22/2018	2/22/2018	203 (A)	Do not operate the following portable internal combustion engines greater than 50hp without first obtaining a valid CARB registration or AQMD permit.
THE ORIGINAL MOWBRAY'S TREE SERVICE	160233	NOV	P65571	12/29/2017	6/19/2017	203 (A)	Operating Vermeer chipper without a valid PERP registration or District permit
THRIFTY PETROLEUM, INC.	167023	NC	E42575	3/20/2018	3/20/2018	461	PROVIDE LATEST TEST RESULTS AND LATEST PEREIODIC COMPLIANCE INSPECTION
TURNER'S TRUCK STUFF	141433	NC	E31838	2/26/2016	2/26/2016	203	Apply for admin change for PSB description

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UNI-FLEX SILICONE PRODUCTS & MACHINE SHO	154635	NC	E37945	5/19/2017	5/19/2017	203 (A)	Produce an updated MSDS for the Silicone Rubber that is 2015 on later; submit an application for your Blue M CF-7602HC, oven with Serial # A-1479 to be granted an AQMD permit to operate.
UNIVERSAL INTERMODAL SERVICES	183536	NC	E36526	11/15/2016	11/15/2016	403	Do not cause or allow fugitive dust emissions to cross the property line. Implement BACM to minimize emissions.
UNIVERSAL INTERMODAL SERVICES	183536	NOV	P59542	12/15/2016	12/15/2016	403(D)(1)	Causing and allowing the emissions of fugitive dust from a disturbed surface area such that the dust remains visible in the atmosphere beyond the property line of the emission source. Failure to utilize applicable best available control measures included
UNIVERSAL INTERMODAL SERVICES	183536	NOV	P59542	12/15/2016	12/15/2016	403(D)(2)	Causing and allowing the emissions of fugitive dust from a disturbed surface area such that the dust remains visible in the atmosphere beyond the property line of the emission source. Failure to utilize applicable best available control measures included
USA COLLISION CENTER	164237	NC	E36527	11/18/2016	11/18/2016	109	Maintain daily paint usage records.
UTILITY TREE SERVICE, INC.	183590	NC	E41144	11/2/2017	11/2/2017	PERP 2460	Submit an appointment request form within 45 days after the date of initial issuance or renewal of a CARB registration to arrange for an inspection.
VA TRANSPORT INC.	188670	NOV	P64174	10/25/2018	10/16/2018	TITLE13ARTICLE5S	Allowing the idling of a diesel fueled commercial vehicle over five (5) minutes
VERIZON CALIFORNIA INC	52216	NC	E31661	2/9/2016	2/9/2016	42303	updated ICE logs for 2013, 2014, 2015
VERIZON CALIFORNIA INC	52216	NC	E35213	4/20/2016	4/20/2016	1415	Submit a Registration Application for the air conditioning units
VISTA COVE CARE CENTER AT RIALTO, INC.	161051	NC	E37013	9/13/2016	9/13/2016	42303	Provide operating log since January 2014
VULCAN MATERIALS COMPANY	181597	NC	E31670	6/2/2016	6/2/2016	42303	supply me with spec sheets of 4 applications to sort out permits to actual equipment
WADCO INDUSTRIES INC	114741	NC	E37940	3/10/2017	3/10/2017	203	Repair or replace North Spray Booth manometer and make it Zero out when spray booth is off.
WATERMAN DISCOUNT MALL	181636	NC	E31660	2/3/2016	2/3/2016	42303	42303 for 1415 to submit Freon specs for 2 system

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WATERMAN VALERO	107330	NOV	P71918	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7017 3380 0000 7803 8267
WEST COAST PETROLEUM INC	155193	NC	E39058	5/18/2017	5/18/2017	461	REPLACE MAIN HOSES #3 AND #4
WEST COAST PETROLEUM INC	155193	NOV	P72325	12/11/2018	3/2/2018	461(c)(3)(Q)	Failing to submit the facility's monthly gasoline throughput data for the previous calendar year on or before March 1, 2018. Certified Mail Tracking #7018 0680 0001 2738 2292
WILDWOOD PLAZA CHEVRON/KAMAL ZAFAR	159790	NC	E33397	2/16/2016	2/16/2016	461	PRODUCE JAN 2012 TO PRESENT REPAIR LOG REPAIRS FROM INVOICES.
WILLIAMS FURNACE CO	1303	NC	E35208	4/12/2016	4/7/2016	109	1. MSDSs: provide for Cal Clean 854 Alkaline Cleaner, P610A Conversion Coating, Cal Prep RK1469 Sealing Rinse, Black and Silver Hi-Heat VOC Compliant, and Cardinal Finishes powder coating;  2. Alkaline Wash Stage (Tank no. 1) P/O F44440:
WILLIAMS FURNACE CO	1303	NC	E35208	4/12/2016	4/7/2016	1147	1. MSDSs: provide for Cal Clean 854 Alkaline Cleaner, P610A Conversion Coating, Cal Prep RK1469 Sealing Rinse, Black and Silver Hi-Heat VOC Compliant, and Cardinal Finishes powder coating;  2. Alkaline Wash Stage (Tank no. 1) P/O F44440:
WILLIAMS FURNACE CO	1303	NC	E35208	4/12/2016	4/7/2016	203	1. MSDSs: provide for Cal Clean 854 Alkaline Cleaner, P610A Conversion Coating, Cal Prep RK1469 Sealing Rinse, Black and Silver Hi-Heat VOC Compliant, and Cardinal Finishes powder coating;  2. Alkaline Wash Stage (Tank no. 1) P/O F44440:
WILLIAMS FURNACE CO	1303	NC	E35208	4/12/2016	4/7/2016	42303	1. MSDSs: provide for Cal Clean 854 Alkaline Cleaner, P610A Conversion Coating, Cal Prep RK1469 Sealing Rinse, Black and Silver Hi-Heat VOC Compliant, and Cardinal Finishes powder coating;

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							2. Alkaline Wash Stage (Tank no. 1) P/O F44440:
WILLIAMS FURNACE CO	1303	NC	E37020	11/5/2016	11/5/2016	42303	Provide operating records (monthly gas bills, readings from non-resettable totalizing fuel or hour meters) for units fired on natural gas since January 2014
WILLIAMS FURNACE CO	1303	NOV	P64366	12/30/2016	7/1/2014	1147	Failing to conduct compliance source tests required by Rule 1147
ZOOMTECH INC, ORANGE SHOW SHELL, DBA	183954	NC	E39062	6/1/2017	6/1/2017	461	Replace main hoses #1 and whip hose # 2. Make administrative change to P/o N30523. Site has VR101 not VR102 phase I
Reagent Chemical & Research Inc.	102747	NC	E38403	7/27/2017	7/27/2017	1415.1	REGISTER R1415.1 EQUIPMENT
vi	0	NC	E40367	9/13/2017	9/13/2017	1415.1	Kindly register, file annual reporting, and pay all applicable fees for each refrigeration system carrying over 50 lbs. of refrigerant for the following years: 2013, 2014, 2015, 2016 with CARB RMP
vii	0	NC	E39490	2/1/2018	1/28/2018	403	Utilize best available control measures to minimize fugitive dust emissions.

## CARB Compliance History in SBM, January 2016 to December 2018 (Compiled from CARB Visualization Tool, June 2019)

Year/Type	Drayage	HDVIP	Idling	Off-Road	STB	Smart Way	TRU	Total
<b>2016 Field Inspections</b>	552	3	16	0	9	0	1	581
<b>2016 Non-compliant</b>	32	2	1	0	8	0	0	43
<b>2016 % Compliance</b>	94%	33%	94%	N/A	11%	N/A	100%	93%
<b>2017 Field Inspections</b>	178	0	1	37	60	0	0	276

<sup>vi,vii</sup> These facilities were not yet assigned Facility IDs at the time the Notice to Comply was issued.

<b>2017 Non-compliant</b>	4	0	0	7	0	0	0	11
<b>2018 % Compliance</b>	98%	N/A	100%	81%	100%	N/A	N/A	96%
<b>2018 Field Inspections</b>	769	246	0	0	43	4	4	1066
<b>2018 Non-compliant</b>	21	11	0	0	0	0	0	32
<b>2018 % Compliance</b>	97%	96%	N/A	N/A	100%	100%	100%	97%
<b>Total 2016 – 2018 Inspections</b>	1499	249	17	37	112	4	5	1923
<b>Total 2016 - 2018 Non-compliant</b>	57	13	1	7	8	0	0	86
<b>Total 2016 - 2018 % Compliance</b>	<b>96%</b>	<b>95%</b>	<b>94%</b>	<b>81%</b>	<b>93%</b>	<b>100%</b>	<b>100%</b>	<b>96%</b>

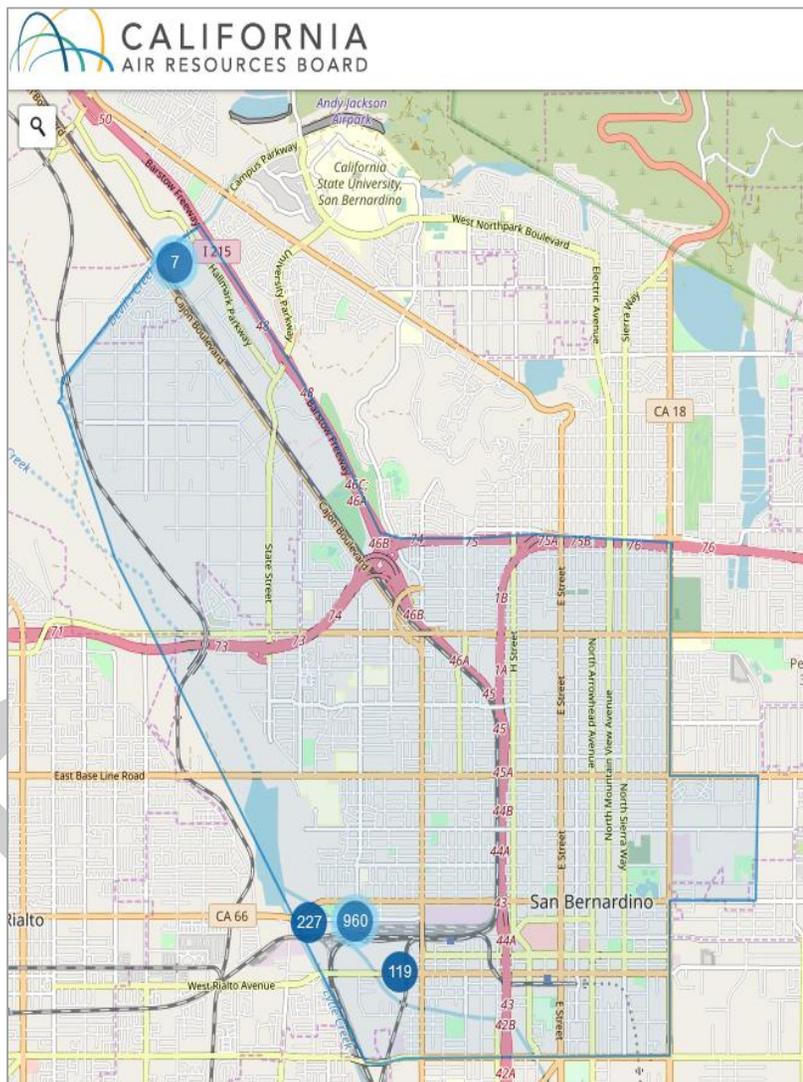
HDVIP = emissions control labels (ECL), smoking and tampering.

*List of HDDV Inspections Conducted*

Program Type Inspections (Non-compliant vehicles)											
Inspection Year	Location	Drayage	HDVIP - ECL	HDVIP - smoke opacity	HDVIP - tampering	Idling	Off-Road	STB	Smart Way	TRU	Notes
2016	San Bernardino & Fontana Area, San Bernardino, CA 92408		2 (1)			15 (1)		9 (8)			
2016	BSNF Rail Yard, S. 4th St, San Bernardino, CA	552 (32)	1 (1)			1 (0)				1 (0)	Drayage: 10 non-compliant, 22 not registered

<b>2017</b>	SIERRA WAY @ MILL ST, SAN BERNARDINO, CA 92408					1 (0)	2 (0)				
<b>2017</b>	BNSF RR SO. FOURTH ST., SAN BERNARDINO, CA 92410	61 (2)						60 (0)			Drayage: 1 non-compliant, 1 not registered
<b>2017</b>	Bob Stine Dr. -- Outlets at Tejon Parkway, Arvin, CA 93203	117 (2)					2 (2)				Drayage: 1 non-compliant, 1 not registered; Offroad-noEIN
<b>2017</b>	2705 LEXINGTON WAY, SAN BERNARDINO, CA 92407						6 (2)				Off-road: 1 false data, 1 non-compliant
<b>2017</b>	2765 W. Lexington Dr., San Bernardino, CA 92407						1 (1)				Off-road: 1 not registered
<b>2017</b>	4982 HALLMARK PARKWAY, SAN BERNARDINO, CA 92407						13 (2)				Off-road: 1 no EIN, 1 not registered
<b>2017</b>	5454 NORTH INDUSTRIAL PARKWAY, SAN BERNARDINO, CA 92407						13 (0)				
<b>2018</b>	1941 SO. 4TH ST., San Bernardino, CA 92410	35 (0)	55 (5)	55 (0)	56 (3)			18 (0)	4 (0)	4 (0)	ECL - 5 violations non-emissions; tampering - 3 emissions violations
<b>2018</b>	BNSF RAILROAD YARD 4TH ST, San Bernardino, CA 92410	734 (21)	28 (3)	26 (0)	26 (0)			25 (0)			Drayage; 2 - emissions violations; 19 - non emissions violations; ECL - 3 non-emissions violations

Duty Diesel Vehicle Enforcement Activities 2016 – 2018



CARB Visualization Tool - <https://webmaps.arb.ca.gov/edvs/>; June 2019

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## CARB Supplemental Environmental Project Process

During the settlement process, violators have the opportunity to allocate up to 50% of their penalties to a supplemental environmental project (SEP). Community-proposed projects are funded by the violators to help improve public health, reduce pollution, increase environmental compliance and bring public awareness to air pollution issues. Additional SEPS are possible in the SBM community through the proposal process.

Proposals of projects that meet the following four requirements: reducing direct/indirect air emissions or exposure to air pollution, relates to the violation, does not benefit the violator, and goes above and beyond regulatory requirements can be submitted for consideration for future settlements through the SEP proposal form (<https://calepa.ca.gov/sep-proposal-form>). Six SEPs have been funded in SCAQMD including paid environmental education internships, planting trees, writing articles to inform community about air pollution and resources, conducting research (e.g., air monitoring, truck traffic survey), and school air quality education programs and filtration systems.

### Further Information on Technology Used for Compliance Investigations

#### Toxic Vapor Analyzer

*Toxic Vapor Analyzers (TVA):* Using a Flame Ionization Detector (FID) or Photoionization Detector (PID), this instrument is capable of detecting a wide variety of organic and inorganic compounds. The unit must be calibrated to identify specific compounds. Any day that the instrument is used for conducting compliance inspections, a trained inspector calibrates the equipment to a set calibration standard depending on the inspection type. For example, in an oil and gas process leak inspection to identify VOCs, a 3-Point Methane Calibration Curve is used.

This instrument displays concentrations of the gas it is calibrated to in parts per million (ppm), also known as the number of molecules of that gas per one million molecules of air. Inspectors can use TVAs to identify organic and inorganic vapors according to a standard set by the US Environmental Protection Agency (EPA) Method 21 – Determination of Volatile Organic Compound Leaks.<sup>vii</sup> This document from EPA sets the standard for the specifications and performance criteria of the instrument, as well as the process of identifying a leak.

#### Infrared Cameras

*Infrared Cameras:* Using infrared cameras equipped with Optical Gas Imaging (OGI) technology, inspectors can detect hydrocarbon leaks at a variety of facilities, including those in the oil and gas industry. The device uses a non-contact technology which identifies the infrared energy (heat) of a specific gas and converts it into an electronic signal. This signal is processed into an image, giving inspectors the ability to view emissions that would otherwise be invisible to the naked eye

Using Infrared OGI cameras enables inspectors to scan areas for emissions and quickly gain an overall representation for any large leaks there may be at a facility. The technology generally used by OCE is specifically calibrated to methane, enabling users to visibly identify VOC leaks. Inspectors can follow up with a TVA to quantify the leak. Inspectors who use this equipment have training through a multi-day course to understand the technology, uses, and limitations.

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<sup>vii</sup> <https://www.epa.gov/emc/method-21-volatile-organic-compound-leaks>

## XRF

*X-Ray Fluorescence (XRF):* A handheld instrument which uses a non-destructive method to determine the chemistry of a sample. The device sends an x-ray to the sample that displaces the electrons, causing a release of energy. The energy released is measured by the special detector to analyze the chemistry of the sample. Inspectors can scan surfaces for the presence of toxic metals to identify sources of contamination and fugitive emissions.

## H<sub>2</sub>S Analyzer

*H<sub>2</sub>S Analyzers (Jerome Meters):* A handheld instrument that can detect hydrogen sulfide in the air. This device takes in a small sample of air and provides a reading on the amount of H<sub>2</sub>S within a few seconds, down to levels in the parts per billion (ppb) range. This instrument serves as a safety tool for inspectors conducting an inspection in an area with potential H<sub>2</sub>S.

## CARB Statewide Truck and Bus Regulation

CARB is achieving compliance with the Statewide Truck and Bus Regulation, section 2025 of Title 13, CCR (STB) by 2023 via a streamlined auditing process. STB requires diesel trucks with a Gross Vehicle Weight Rating (GVWR) greater than 14,000 pounds that operate in California to install diesel particulate filters or replace older engines with cleaner engine technology on a phased-in schedule based on the model year of the engine and GVWR. CARB staff process data from vehicle registration, compliance reporting, and inspection databases to identify potentially non-compliant fleets and prioritize them for enforcement action.

In April 2017, the Governor signed Senate Bill 1 (SB1) into law which included a provision that, beginning in 2020, a vehicle must demonstrate compliance with the STB regulation before it can be registered with the Department of Motor Vehicles (DMV). Beginning in 2020, the DMV, in conjunction with data provided by CARB, will deny vehicle registration to non-compliant heavy-duty diesel vehicles (HDDV) based on the model year of the HDDV, so that by the end of 2023, 100% compliance will be achieved for the truck and bus rule.

## Summary

Both South Coast AQMD and CARB are committed to working closely with the CSC to identify and investigate area quality issues in the community. For the mobile sources regulated by CARB, this will include actively enhancing enforcement activities through a combination of improved complaint reporting, more focused inspections, and report-back meetings to update the CSC on the status of inspections and to obtain additional areas of mobile source concern. CARB plans to have, at a minimum, annual meetings with the CSC in order to prioritize strategies and identify possible locations where non-compliant vehicles are present. CARB will report-back to the community with the number of inspections performed and the number of citations and/or Notices of Violations (NOVs) issued. Further information about CARB's and South Coast AQMD's commitments can be found in Chapter 5.

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