



## South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 - [www.aqmd.gov](http://www.aqmd.gov)

**TO:** SCAQMD Board Stationary Source Committee  
Ben Benoit, Chairman; Dr. Joseph Lyou, Vice Chairman, Sheila Kuehl,  
Judith Mitchell, Shawn Nelson and Janice Rutherford

**FROM:** Laki Tisopulos, Deputy Executive Officer, Engineering and Permitting  
**STATIONARY SOURCE COMMITTEE MEETING**  
**June 16, 2017 ♦ 10:00 a.m. ♦ Conference Room CC8**  
**21865 Copley Dr., Diamond Bar, CA 91765-4182**

### TELECONFERENCE LOCATIONS

Hall of Administration  
Planning Commission Room  
333 West Santa Ana Blvd.  
Santa Ana, CA 92701

385 N. Arrowhead Avenue  
5th Floor, Citrus Room  
San Bernardino, CA 92415

*(Public may attend at the above locations)*

*Call-in for listening purposes only is available by dialing:*

*Toll Free: 866-244-8528*

*Listen Only Passcode: 5821432*

*In addition, a webcast is available for viewing and listening at:*

*<http://www.aqmd.gov/home/library/webcasts>*

### ACTION ITEMS

- 1. Issue Request for Information to Evaluate Optical Remote Sensing Instruments to Evaluate Emissions from Refinery Flares (5mins.)** Ian MacMillan Manager  
Emerging optical remote sensing technologies show promise in evaluating emissions from refinery flares in real time, thus providing better quantification of emissions and the potential opportunity for facilities to make adjustments to reduce flaring emissions. The submittals received from this Request for Information will be used to develop a subsequent Request for Proposals for a field demonstration pilot study of optical remote sensing technologies and/or if it is found that available technologies have not been sufficiently validated for a field demonstration, for a validation study. This action is to issue a Request for Information to evaluate the state of available optical remote sensing instruments that can evaluate emissions from refinery flares.  
*(Written Material Attached)*

### INFORMATIONAL ITEMS

- 2. Update on Implementation of Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces (25 mins.)** Tracy Goss Manager

As a follow-up to the January Committee meeting, staff will provide an update on Rule 1111 implementation, status on the availability of compliant products, and recommendations for future activities, including potential rulemaking.

*(Written Material Attached)*

- 3. Proposed Amended Rule 1118 – Control of Emissions from Refinery Flares** (10 mins.) Ian MacMillan  
Manager

Staff will present an update of progress made since the last Stationary Source Committee meeting in addressing stakeholder concerns. The proposed amended rule is scheduled for Board consideration at the July Board meeting.

*(Written Material Attached)*
- 4. Update on Proposed Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants** (10 mins.) Susan Nakamura  
Asst. Deputy  
Executive Officer

Since the last Stationary Source Committee meeting, staff has received additional comments on provisions for earth moving at schools and early education centers. Staff will provide an update on proposed requirements for earth-moving activities of soils with toxic air contaminants at schools and early education centers.

*(Written Material Attached)*
- 5. Best Available Control Technology Guidelines Status Update** (15 mins.) Al Baez  
Program Supervisor

At the December 2016 Governing Board meeting, the Board approved amendments to the BACT Guidelines to make them consistent with recent changes to SCAQMD rules and state and federal requirements, as well as establishing a charter for the BACT Scientific Review Committee. The Board also directed staff to continue work on updating the BACT Guidelines, reviewing BACT determinations done by other air districts with an emphasis on UV/EB inks and coatings technology and report back to Stationary Source Committee by June 2017. Staff will provide an update on the activities since December 2016.

*(Written Material Attached)*
- 6. 2016 Annual Report on AB 2588 Air Toxics Hot Spots Program** (10 mins.) Jillian Wong  
Manager

Staff will summarize activities in the AB 2588 program in 2016 and will present the various activities to satisfy the requirements of AB 2588 and Rule 1402, such as quadrennial emissions reporting and prioritization, and the preparation and review of Health Risk Assessments, Voluntary Risk Reduction Plans and Risk Reduction Plans.

*(Written Material Attached)*

#### **WRITTEN REPORTS**

- 7. Notice of Violation Penalty Summary**

This report provides the total penalties settled in May 2017 which includes Civil, Supplemental Environmental Projects, Mutual Settlement Assessment Penalty Program, Hearing Board and Miscellaneous.

*(Written Material Attached)*

Kurt Wiese  
General Counsel
- 8. Other Business** – Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief

*announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't. Code Section 54954.2)*

## **9. Public Comment Period**

*Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). All agendas for regular meetings are posted at District Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of a regular meeting. At the end of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Committee's authority. Speakers may be limited to three (3) minutes each.*

## **Americans with Disabilities Act**

*The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't. Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the Stationary Source Committee meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Evangelina Barrera at 909.396.2583 from 7:30 a.m. to 6:00 p.m., Tuesday through Friday, or send the request to [ebarrera@aqmd.gov](mailto:ebarrera@aqmd.gov).*

## **Document Availability**

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

**NOTE: The next meeting is July 21, 2017**

cc: SCAQMD Board Members

# Update on Implementation of Rule 1111

## Reduction of NO<sub>x</sub> Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

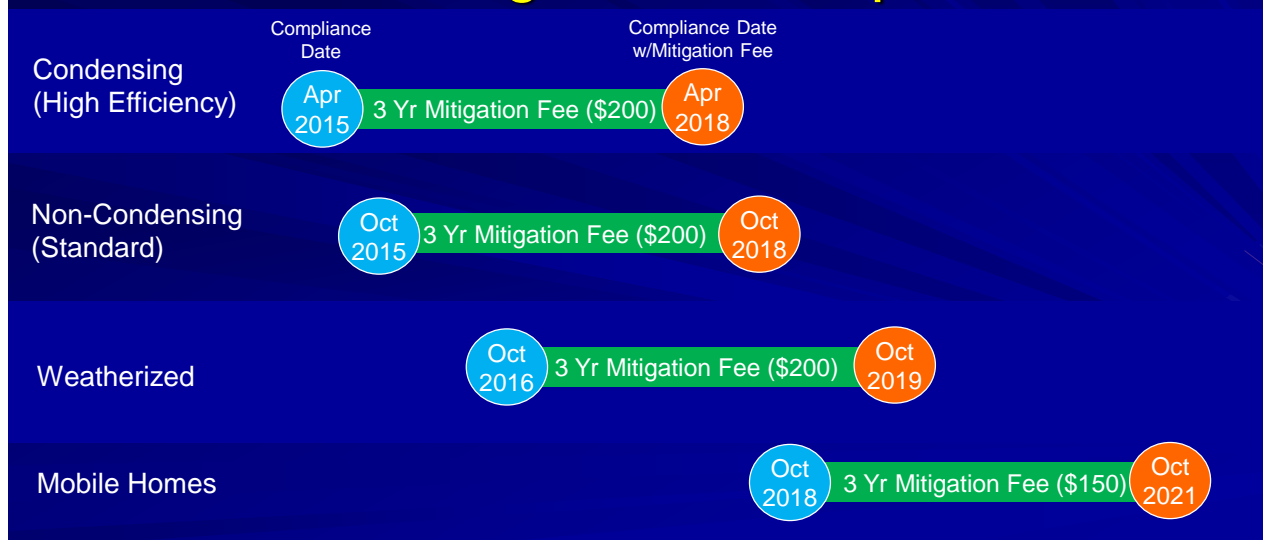
Stationary Source Committee

June 16, 2017

## Background

- Applies to residential and commercial natural gas-fired fan-type central furnaces
- Regulates manufacturers, distributors, sellers and installers of these units
- Technology forcing rule – 40 ng/J to 14 ng/J
- Amended in 2014 giving more time to comply
- Late April 2016 manufacturers claimed that there was not a compliant unit available for commercialization

# Current Rule 1111 Compliance Dates with Mitigation Fee Option



## Meetings With Manufacturers

- Staff met with individual manufacturers to discuss product development status, mitigation fee, & NOx limit
- Individual meetings in March, April, and May 2017\*
  - 8 original equipment manufacturers (OEM)
  - 2 burner manufacturers
  - 1 burner technology institute
- 2 Task Force meetings (April 27, 2017 and May 25, 2017)

\* Individual meetings were needed to maintain confidentiality regarding development status

# Implementation Status Update

- Three OEMs have demonstrated compliance with Rule 1111 NOx limits with field tests underway for standard units, applications for certifications expected
  - Compliant furnaces have not yet been introduced into the market to meet rule limit; however, commercialization schedules have been proposed by some OEMs
- Alternative compliance option (paying mitigation fee for up to 3 years post compliance date) expected to continue to be utilized
- Compliant burners available for licensing
- Outside United States – compliant units available but not marketed or tested for U.S. safety and reliability standards

## Product Availability by Furnace Type

Unit Type	Compliance Dates	Use of Mitigation Fee	End of Mitigation Fee	Product Availability
Condensing (High Efficiency)	<p>Apr 2015 3 Yr Mitigation Fee (\$200) Apr 2018</p>	All manufacturers	9 Months	None scheduled to 2018
Non-Condensing (Standard)	<p>Oct 2015 3 Yr Mitigation Fee (\$200) Oct 2018</p>	All manufacturers	15 Months	2017 to 2020 (3 OEMs can meet limit, conducting field tests)
Weatherized	<p>Oct 2016 3 Yr Mitigation Fee (\$200) Oct 2019</p>	All manufacturers	~2 Years	None scheduled to 2019
Mobile Homes	<p>Oct 2018 3 Yr Mitigation Fee (\$150) Oct 2021</p>	N/A (Compliance Date 2018)	>4 Years	None scheduled

# Initial Recommendations

Category	Stakeholders	Staff
Mitigation Fee Extension:  Condensing (High Efficiency) Non-condensing Weatherized Mobile Home	1 to 2 years No extension to 2 years 1 to 3 years 1 year  Some recommended 2 to 5 years with no product distinction	2 years (April 2018) 1 year (October 2019) 2 years (October 2021) 1 year (October 2022)  Additional input on product status needed to fully assess timing of mitigation fee
Mitigation Fee Amount	Same amount for all products (\$150) Eliminate if in active commercialization	Increase in amount; further analysis needed to assess the amount; and eliminate or lower fee if certified units are being commercialized

## Initial Recommendations (cont.)

Category	Stakeholders	Staff
NOx Limit	<ul style="list-style-type: none"> <li>Ranges from no change to 30 ng/J</li> <li>OEMs with compliant products want to hold the line at 14 ng/J</li> </ul>	No change – maintain the 14 ng/J limit <i>Multiple units from 3 OEMS expected to be certified by end of summer and in commercialization phase</i>
Rebate	Provide rebate/incentive	Agree with stakeholders; further analysis required to estimate the amount
Other compliance	Prevent illegal sales ( <i>i.e., internet</i> ) and circumvention of the rule ( <i>e.g., propane furnaces not regulated</i> )	Agree with stakeholders



## Next Steps

- Start rulemaking process to amend Rule 1111
- Continue meeting with Task Force, individual OEM, and burner manufacturers
- Provide regular updates to the Stationary Source Committee
- Propose amendments to Rule 1111 in the first quarter of 2018



# Proposed Amended Rule 1118 – Control of Emissions from Refinery Flares

---

STATIONARY SOURCE COMMITTEE

6/16/2017



## Background

---

- At May Stationary Source Committee, staff presented proposed amendments to Rule 1118
  - Incorporate parts of EPA Refinery Sector Rule (RSR)
  - Require Scoping Documents to evaluate feasibility of additional measures to reduce flaring emissions
  - Remove \$4 million annual cap on mitigation fees
  - Update reporting/notification requirements
  - Update emission factors
- Committee directed staff to come back and report on progress
  - Staff met with stakeholders and held another working group 5/30/17
  - Released updated rule language 6/7/17



## Key Issues Addressed

- Technical parts of EPA Refinery Sector Rule incorporated by reference
  - Key prohibitions included explicitly
  - Hydrogen plants removed from most amendments in rule
- Notification requirements should be clarified
  - Simpler one-time notification based on cumulative daily total vent gas
- Scoping Doc feasibility analysis of unplanned events should be clarified and also allow analysis of operational controls, not just physical systems
  - Specific unplanned event scenarios added
  - Automated process controls now allowed
- Potential Confidential Business Information (CBI) should not be required in Flare Monitoring Plans
  - Revised – No longer requires potential CBI

3



## Key Issues Addressed – (Continued)

- Corrective Actions schedule if more than 45 days needed to implement
  - Facility must provide justification and schedule. EO can require modification to schedule or corrective action in a written explanation to facility.
- Essential Operational Needs should be tightened/removed from rule
  - Minor venting and emergency flaring removed from definition
- All facilities should prepare a Flare Minimization Plan (FMP)
  - FMP required already by January 2019 by EPA
  - Scoping Document goes beyond FMP requirement
- VOC emission factor too low for clean service flares
  - Emission factor increased 3X based on EPA guidance
  - Optical Remote Sensing study – Separate item
- Specific Cause Analysis VOC threshold - (*re:10X emission factor update*)
  - Proposing to keep 100 lb threshold

4



## Key Remaining Issues

---

- PAR 1118 requires more Specific Cause Analyses
  - Multiple events in one day from same equipment now considered one event
- Performance Targets should be tightened now (SOx + VOC)
  - Proposing to evaluate this in second phase of rulemaking, after receiving Scoping Documents
- No basis provided for including new VOC emissions level from clean service flares in Scoping Doc feasibility analysis
  - Proposed level if implemented would have reduced ~85 tons over past five years
    - 2012 AQMP Control Measure MCS-03
    - VOC reductions would also reduce toxics

5



## Board Items

---

- Set Hearing June 2
- Public Hearing July 7
  - Board Actions include:
    - PAR 1118
    - \$100,000 from Rule 1118 Mitigation Fund for upgrade of District's web-based Flare Event Notification System

6

## Proposed Rule 1466: Control of Particulate Emissions from Soils with Toxic Air Contaminants



STATIONARY SOURCE COMMITTEE MEETING  
JUNE 16, 2017

## Background

2

- ▶ PR 1466 establishes basic requirements to minimize offsite fugitive dust emissions that contain certain toxic air contaminants during earth-moving activities
- ▶ Provides additional health protection from toxic particulate emissions while not impeding activities
  - ▶ PR1466 fills gap in existing regulatory structure
- ▶ Applicable to cleanup sites designated by other regulatory agencies or Executive Officer can identify a site based on established criteria
- ▶ Briefing today focuses on key remaining issue regarding provisions for earth-moving activities at schools

3

## Requirements for Earth-Moving Activities at Schools

- ▶ At the May Stationary Source Committee, staff highlighted comments from Los Angeles Unified School District (LAUSD) regarding provisions in PR 1466 that restricted earth-moving activities during school hours
- ▶ Since the May meeting, some Board members and other stakeholders commented that additional restrictions for earth-moving activities at schools should be added
- ▶ PR 1466 currently requires that earth-moving activities of soil containing toxic air contaminants cannot occur:
  - ▶ At a school or early education center between 7:30 AM and 4:30 PM when school is in session, or if there a school sponsored activity; or
  - ▶ At a joint use agreement property if there is a school sponsored activity

4

## Comments from Los Angeles Unified School District

- ▶ Staff met with representatives from LAUSD on Wednesday, June 7<sup>th</sup>
  - ▶ LAUSD commented that they take precautions to protect the health and safety of students and faculty when conducting earth-moving activities, particularly if the soil contains toxic air contaminants
  - ▶ LAUSD expressed concern that restricting earth-moving activities at schools when school is in session could impede their ability to complete time-sensitive projects
  - ▶ LAUSD intends to voluntarily implement many of the provisions of PR 1466, even if a site is not subject to the proposed rule
- ▶ Staff Response:
  - ▶ PR 1466 applies to those sites that have been designated by an oversight agency or by the Executive Officer and not to general construction projects
  - ▶ PR 1466 includes a provision that allows LAUSD to request an exemption for certain provisions, including restrictions for earth-moving activities
  - ▶ Provisions are needed protect school children from exposure to toxic air contaminants

5

## Schedule

- July 7, 2017      Public Hearing





## BACT Guidelines Status Update

Stationary Source Committee  
June 16, 2017

### Background

- Updated BACT Guidelines and established Charter for BACT SRC at December 2016 Board meeting
- Board directed staff to continue work on updating BACT Guidelines, reviewing BACT determinations done by other air districts with an emphasis on UV/EB inks and coatings technology and report back to Stationary Source Committee by June 2017 on proposed updates
- Held two public BACT SRC meetings, 4/4/17 & 5/24/17 including 30-day comment period
- Received and addressed 9 comment letters



## Background (cont'd)

- Parts B and D (major & minor source BACT)
- Reviewed achieved in practice BACT for UV/EV and water-based inks and coatings, Food Ovens, Engines and other equipment categories
- Reviewed BACT determinations from SCAQMD and other Air Districts
- Conducted site visits to facilities (Printing, Food Oven, APC mfg.) and worked with printing industry trade organizations
- Maintain consistency with recent changes to SCAQMD rules, State and Federal requirements
- Make BACT webpage more “User Friendly”



3

## Part B, Section I, SCAQMD LAER/BACT



### New Proposed Listings

#### Furnace

(Heat Treating Aluminum  $\leq 900^{\circ}\text{F}$ )

5MMBtu/hr, Low NOx burner, NOx=30ppm



#### Food Oven- Bakery

Four ovens: 3.2, 2.8, 3.2 & 5.4MMBtu/hr vented to 4MMBtu/hr CatOx @ 95% control &  $\geq 600^{\circ}\text{F}$  inlet temp & ceramic pre filter, R1147 compliant, Ovens - R1153.1 compliant



#### Food Oven- Tortilla Chip

5.774MMBtu/hr, IR & Ribbon burners, NOx=54ppm @ 1 hr. avg., CO=2000ppm, @ 15 min. avg.



#### Food Oven- Snack Food

1.6MMBtu/hr, Maxon Low NOx burner, NOx=25ppm, CO=75ppm, both @ 1 hr. avg. 3% O<sub>2</sub>



#### Flare- Biogas

12MMBtu/hr, Bekaert, NOx=0.025 lb/MMBtu, CO=0.06 & VOC=0.038 39.3MMBtu/hr, Zink, Ultra Low NOx, NOx=0.025, CO=0.06, VOC=5.5, PM=14.2



#### Flare- Landfill Gas

120MMBtu/hr, Zink ultra Low NOx, NOx=0.025 lb/MMBtu, CO=0.06; VOC=1.33 lb/hr, PM=1.4 lb/hr & SOx=2.5 lb/hr



4

## Part B, Section I, SCAQMD LAER/BACT



### Proposed Listing Updates

#### Boilers

39.9 MMBtu/hr, Low NOx burner, SCR & NH<sub>3</sub>  
NOx=5ppm, CO=100ppm & NH<sub>3</sub>=5ppm



#### I.C. Engine – Digester Gas-Fired

Compliance with Rule 1110.2(d)(1)(C);  
NOx=11ppm, VOC=30ppm & CO=250ppm



5

## Part B, Section II, Other LAER/BACT



### Listings under review

#### Printing (Graphic Arts) Flexographic (Labels, Tags & Forms)

SJVAPCD listing may potentially allow higher  
VOC content ink than SCAQMD Rule 1130.  
Placing listing on hold for further review.



#### Fiberglass Operations, Application Hand and Spray Lay up (Polyester Resin Oper.)

Not being applied as BACT for new permits.  
Current SCAQMD Rule 1162 and BAAQMD  
Reg. 8, Rule 50 have more stringent  
requirements. Therefore, will not proceed with  
listing.



6

## Part B, Section III, Other Technologies



### Emerging Technologies

#### I.C. Engine- Emergency Compression Ignition with PM Trap and SCR

Equipped with SCR & DPF certified to meet EPA Tier 4 emission limits: NMHC=0.14 g/bhp-hr, NOx=0.5 g/bhp-hr, CO=2.61 and PM=0.022 g/bhp-hr



#### Distributed Generation Fuel Cell with digester gas clean up system

Equipped with 2.5 MMBtu/hr heater fired on digester gas used for start up, cool down and low power operation. Rule 222 limited  $\leq 90,000$  therms/yr. NOx=0.07, VOC=CO=0.10 lb/MW-hr



***These are emerging technologies which have been in operation with an air quality permit, however do not yet qualify as LAER***

7

## Part D, BACT for Non-Major Facilities



### New Proposed Listings

#### Printing (Graphic Arts) Flexographic

Inks with  $\leq 1.5$  lb VOC/gal, Less Water and Exempt Compounds; or UV/EB or water-based inks/coatings  $\leq 180$  g VOC/L.  
Compliance with SCAQMD Rules 1130 and 1171.



#### Printing (Graphic Arts) Screen Printing and Drying

Compliance with SCAQMD Rules 1130.1 and 1171; or use of Rule 1130.1 compliant UV/EB or water-based inks/coatings.



#### Printing (Graphic Arts) Lithographic or Offset, Heatset

Add-on control venting to Regenerative Thermal Oxidizer, 99% overall control and  $\geq 1595^\circ\text{F}$  operating temp. *{cost effectiveness}*



#### Printing (Graphic Arts) Flexographic

Add-on control venting to Regenerative Thermal Oxidizer, 95% destruction eff. and  $\geq 1500^\circ\text{F}$  operating temp with total enclosure. *{cost effectiveness}*



8

## Part D, BACT for Non-Major Facilities



### New Proposed Listings

#### Food Oven

>500°F: NO<sub>x</sub> = 60 ppm, CO= Rule 407/1153.1, PM10=SO<sub>x</sub>= Nat Gas

##### – Ribbon burner

≤500°F: NO<sub>x</sub> = 30ppm= current BACT, CO = Rule 1147/1153.1, PM10=SO<sub>x</sub>= Nat Gas

##### – Direct fired

NO<sub>x</sub> = 30 ppm= current BACT , CO=Rule 407/1153.1, PM10=SO<sub>x</sub>= Nat Gas

##### – Infrared

NO<sub>x</sub> = 30 ppm= current BACT, CO=Rule 407/1153.1, PM10=SO<sub>x</sub>= Nat Gas

##### – Other

Compliance with Rule 1147/1153.1, PM10=SO<sub>x</sub>= Nat Gas

#### – Bakery Oven with Yeast Leavened Products ≥30 lb VOC/day

CatOx @ 95% overall control, ≥600°F inlet temp & ceramic pre filter *{cost effectiveness}*



9

## Part D, BACT for Non-Major Facilities



### New Proposed Listing/Updates

#### I.C. Engine, Stationary, Non-Emergency, Electrical Generators

Compliance with Rule 1110.2



#### I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators

Footnote regarding removal of "I.C. Engine, Stationary, Non-Emergency" by listing of new BACT determination for "I.C. Engine, Stationary, Non-Emergency, Electrical Generator"



#### I.C. Engine, Portable

75≤ HP <175, Tier 4 Final – Consistent with CARB



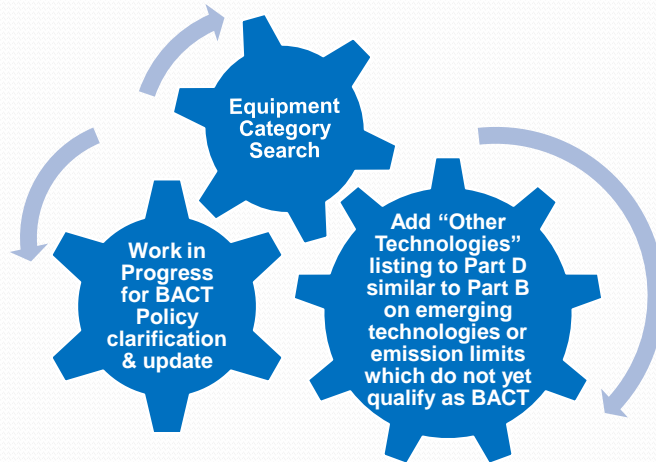
#### Dryer or Oven

Footnote of non-applicability to food oven



10

## Making BACT Guidelines User Friendly



11

## Equipment Category Search

The screenshot shows the South Coast Air Quality Management District (AQMD) website. The main heading is "BACT Guidelines". Below this, there is a section titled "Best Available Control Technology Guidelines" with a sub-section "EQUIPMENT CATEGORY SEARCH". A green arrow points to the "EQUIPMENT CATEGORY SEARCH" link with the text "New proposed link". The page also features a "Trending" section with links to "Torrence Refinery SCAQMD Rule Book", "Rules", "Special Meeting of the SCAQMD Governing Board: March 9, 2017", and "Proposed Rules". A "More Information" section includes "Contact" information for the BACT Team. The left sidebar contains a navigation menu with links to "About", "Governing Board", "Calendar", "Programs", "Library", "Permits", "Forms", "Tools", "Regulations", "Contact", "Careers", and "Grants & Bids". The bottom of the page shows a Windows taskbar with various icons and the system clock.

12





## **Next Steps**

- **Board Letter**
- **CEQA Evaluation**
- **BACT SRC meetings**
- **Stationary Source Committee**
- **Governing Board Meeting**



# AB2588 Toxic Hot Spots 2016 Annual Report

**Stationary Source Committee  
June 16, 2017**



## Background

- Air Toxics 'Hot Spots' Act (AB2588) enacted in 1987 and modified in 1992
  - Implemented through SCAQMD Rule 1402
  - Emissions viewable in SCAQMD's FIND web tool
- H&S Code §44363 requires District Board to hold a public hearing every year to present results of Annual Report
- 1,640 facilities have been in Core program since program inception
- 340 facilities currently submit quadrennial emissions inventories
  - Facilities with a Prioritization Score >10 may either prepare an Air Toxics Inventory Report or Voluntary Risk Reduction Plan, if eligible



## AB2588 Traditional Process for 'Core' Facilities



Quadrennial Emissions Inventory



Prioritization



Air Toxics Inventory Report (ATIR)



Health Risk Assessment (HRA)



If HRA exceeds thresholds:

- Public Notification or Risk Reduction Plan (RRP)



## Activities in 2016

- Rule 1402 amended on October 7, 2016 which provided three pathways

### Traditional Approach

Facilities with health risks expected to be < 100 in a million

Submit:

- Air Toxics Inventory Report
- Health Risk Assessment
- Risk Reduction Plan (if cancer risk >25 in a million)

### Voluntary Risk Reduction Program

Facilities with health risks expected to be < 100 in a million and a previously approved Health Risk Assessment

Submit:

- Air Toxics Inventory Report
- Voluntary Risk Reduction Plan committing to reduce below 10 in a million

### Potentially High Risk Facilities

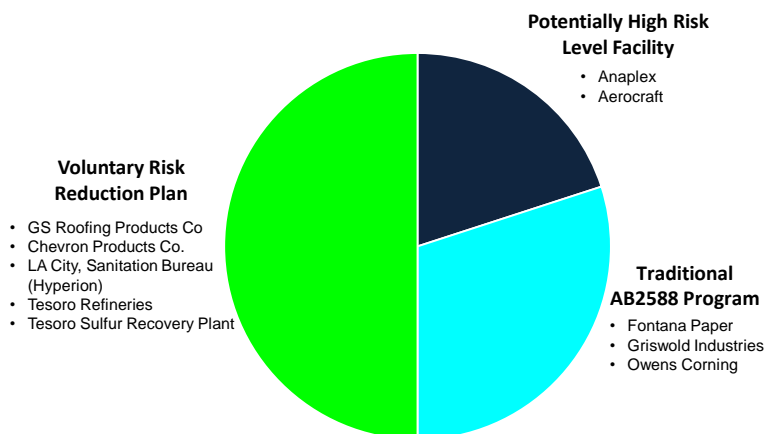
Facilities with health risk potentially  $\geq 100$  in a million

Submit:

- Early Action Risk Reduction Plan
- Air Toxics Inventory Report
- Health Risk Assessment
- Risk Reduction Plan



## Summary of Pathways for Facilities Notified in 2016



Total 10 Facilities Notified to Prepare Toxics Inventories or Plans



## Key Activities in 2016

- Approved 2 Health Risk Assessments (both facilities required to conduct public notification)
  - Carlton Forge Works
  - Quemetco
- Staff reviewing approximately 3 ATIRs, 3 HRAs, 3 RRP, 2 source test results
- Updated SCAQMD's AB2588 Facility Prioritization Procedures & Supplemental Guidance
- Air monitoring work in Paramount for Anaplex and Aerocraft
- Initiated process to put contract services in place for 2017 increased workload



## 2017 Workload

- Substantial number of Air Toxics Inventory Reports and Voluntary Risk Reduction Plans to be reviewed in 2017
  - Notified 24 facilities in late 2016 and so far in 2017 to prepare Air Toxics Inventory Report or Voluntary Risk Reduction Plans, if eligible
  - Additional 33 facilities need to be notified
  - Staff has increased resources to address anticipated workload
    - Additional positions
    - Contract for consultant assistance
  - Some of the 33 facilities will be addressed in 2018



## Ongoing Activities 2017

- Continue review of the 2014 National Air Toxics Assessment emissions data
- Continue development of guidance for fugitive emissions / monitoring / modeling
- Conduct toxic and criteria pollutant air dispersion modeling to support SCAQMD permit application approval process
- Series of toxics rules under development addressing metal operations

## DISTRICT RULES AND REGULATIONS INDEX FOR MAY 2017 PENALTY REPORTS

Item #7

### REGULATION II – PERMITS

- Rule 201 Permit to Construct (*Amended 1/5/90*)
- Rule 202 Temporary Permit to Operate (*Amended 5/7/76*)
- Rule 203 Permit to Operate (*Amended 1/5/90*)
- Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written permit Pursuant to Regulation II. (*Amended 5/19/00*)

### REGULATION IV - PROHIBITIONS

- Rule 403 Fugitive Dust (*Amended 12/11/98*) *Pertains to solid particulate matter emitted from man-made activities.*
- Rule 461 Gasoline Transfer and Dispensing (*Amended 6/15/01*)

### REGULATION XI - SOURCE SPECIFIC STANDARDS

- Rule 1110.2 Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines (*Amended 11/14/97*)
- Rule 1113 Architectural Coatings (*Amended 6/20/01*)
- Rule 1146 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters (*Amended 11/17/00*)
- Rule 1146.2 Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers (*Adopted 1/9/98*)
- Rule 1147 Nox Reductions From Miscellaneous Sources

### REGULATION XIV – TOXICS

- Rule 1403 Asbestos Emissions from Demolition/Renovation Activities (*Amended 4/8/94*)
- Rule 1415 Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems (*Amended 10/14/94*)
- Rule 1470 Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines

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

- Rule 2004 Requirements (*Amended 5/11/01*)
- Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO<sub>x</sub>) Emissions (*Amended 5/11/01*)

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

Rule 3002      Requirements (*Amended 11/14/97*)  
Rule 3003      Applications

## **CALIFORNIA HEALTH AND SAFETY CODE § 41700**

41960.2      Gasoline Vapor Recovery

## **CODE OF FEDERAL REGULATIONS**

40 CFR – Protection of the Environment

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

**May 2017 Settlement Penalty Report**

**Total Penalties**

Civil Cash Settlements:	\$93,415.00
SEP Settlements:	
(Cash)	\$60,000.00
(SEP non Cash)	\$39,500.00
MSPAP Cash Settlements:	\$24,335.00
Hearing Board Cash Settlements:	\$20,000.00
 Total Cash Settlements:	 \$197,750.00
 Fiscal Year through 5 / 2017 Cash Total:	 \$2,924,554.65
Fiscal Year through 5 / 2017 SEP Value Only Total:	\$50,000.00



Fac ID	Company Name	Rule Number	Settled Date	Initials	Notice Nbr	Total Settlement
<b>Civil Settlements</b>						
45489	ABBOTT CARDIOVASCULAR SYSTEMS, INC.	1146	5/9/2017	ML	P61187	\$1,000.00
157720	AMERICAN TWO WAY Associated with Hearing Board Case No. 5987-1	203 (a) 203(a),1470	5/23/2017	NAS	P56895 P61300	\$1,000.00
117140	AOC, LLC	3002(c)(1) 3003	5/2/2017	NSF	P62808	\$1,000.00
174618	ARCO #42036, TREASURE FRANCHISE COMPANY,	461, 41960.2 461(c)(2)(B)		WBW	P64331	\$7,000.00
179893	ARLON ELECTRONIC MAT'LS, DIV OF ROGERS C	3002, 3002(c)(1)	5/11/2017	NAS	P65502	\$15,000.00
166073	BETA OFFSHORE	1110.2, 2004, 3002 2004(f)(1), 2012 3002(c)(1)	5/25/2017	DH	P62950 P62951	\$7,900.00
125483	BISCOMERICA CORP	203, 222, 1146.2 1415, 1146.2	5/15/2017	NSF	P56720 P56723	\$6,500.00
23194	CITY OF HOPE MEDICAL CENTER	1146 3002(c)(1)	5/9/2017	ML	P57694	\$2,000.00
119267	CLARK CONSTRUCTION	1113(c)(1)	5/22/2017	NSF	P57294	\$1,000.00
178612	CP CONSTRUCTION WEST, INC	1403, 40CFR	5/18/2017	KCM	P61392	\$4,500.00

155877	MILLERCOORS, LLC	2012 2004, 2012	5/22/2017	WW	P60271 P60275	\$29,015.00
135460	ONTARIO GAS & FOOD, P BAINS&C SINGH DBA	3002 203(b), 461(c)(2)(B)	5/2/2017	NSF	P63100	\$2,500.00
7450	SANDBERG FURNITURE MFG CO INC	3002(c)(1) 3002(c)(1), 3003	5/2/2017	TRB	P62381 P62382	\$3,000.00
175340	BOTTLE COATINGS, INC	201, 1147 202(a), 203 (a) 201, 203(a), 1147	5/11/2017	MJR	P57464 P61720 P61719	\$12,000.00

**Total Civil Settlements: \$93,415.00**

**Settlements including SEP**

140373	AMERESCO CHIQUITA ENERGY LLC \$60,000 Cash; \$39,500 SEP - Beginning 4.26.17, Ameresco agrees to expend \$39,500 to remove an amount of sulfur from the fuel used at its plant equivalent to reducing SO2 emission by at least 6,000 pounds over three years. Ameresco will reconfigure existing fuel system equipment to create a sulfur removal system that will absorb sulfur compounds from the fuel used in its turbine generators. Ameresco agrees that if the 6,000 pound reduction is not accomplished after Ameresco has spend \$39,500, it will continue the SEP and provide any further necessary expenditures to assure the 6,000 pound reduction is achedieved.	203 3002	5/12/2017	MJR	P61359	\$99,500.00
--------	---	-------------	-----------	-----	--------	-------------

**Total Settlements including SEP: \$99,500.00**

**MSPAP**

176509	7_ELEVEN #34175/JAGROOP K. BAL	461	5/5/2017	GV	P63220	\$501.00
174659	ARCO #42045, TESORO REFINING & MKTG. CO.	203 (a)	5/10/2017	TF	P64654	\$1,001.00
174659	ARCO #42045, TESORO REFINING & MKTG. CO.	203 (a)	5/9/2017	TF	P64659	\$1,000.00
148892	BARTON PETROLEUM, INC.	203 (b), 461	5/9/2017	GC	P63210	\$500.00
176767	CEO-TO-GO INC.	202	5/9/2017	JS	P63158	\$480.00
172411	CLAREMONT GAS	203 (b), 461 461(c)(2)(B)	5/18/2017	TF	P63115	\$3,900.00
19194	EPPINK OF CALIFORNIA	3002(c)(1), 3003	5/9/2017	GC	P62385	\$950.00
122549	G & M OIL CO, LLC #93	461, 41960.2 461(c)(2)(B)	5/9/2017	GC	P65007	\$750.00
157879	G & M OIL CO. #189	203 (b), 461(c) 41960.2 461(c)(2)(B)	5/9/2017	GC	P63043	\$1,350.00
182653	G&M OIL CO., #48	461(c), 41960.2 461(c)(2)(B)	5/9/2017	GC	P64662	\$1,125.00
144522	JAUREGUI IMPORTS	203(b)	5/9/2017	GC	P59536	\$1,000.00
175762	JIMMY KONG	461	5/4/2017	GC	P61696	\$800.00
10827	JOHNSON MACHINERY CO	1110.2	5/9/2017	GC	P64167	\$1,000.00

10827	JOHNSON MACHINERY CO	1110.2	5/18/2017	GC	P64155	\$2,500.00
48185	KAISER FOUNDATION HOSPITAL	203 (a)	5/18/2017	GC	P64118	\$900.00
143710	LAUREL CANYON CHEVRON	461(e)(2)(C)	5/18/2017	JS	P60091	\$480.00
183200	LENNAR HOMES OF CALIFORNIA, INC	403(d)(1) 403(d)(2)	5/9/2017	TF	P59537	\$4,650.00
106708	NAKASE BROTHERS WHOLESALE NURSERY	461	5/18/2017	TF	P64066	\$300.00
136254	PICO RIVERA GASOLINE & CAR WASH	461	5/4/2017	TF	P64965	\$600.00
182680	QUALITY ASSURED COLLISION CENTER	203	5/4/2017	TF	P64214	\$550.00

**Total MSPAP Settlements: \$24,335.00**

#### Hearing Board Settlements

125609	LERETA CORP Hearing Board Case No. 6074-1		5/11/2017	NSF		\$20,000.00
--------	--	--	-----------	-----	--	-------------

**Total Hearing Board Settlements: \$20,000.00**