



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
STATIONARY SOURCE COMMITTEE MEETING

COMMITTEE MEMBERS

GAYLE B. UILKEMA, CHAIRPERSON  
SUSAN GARNER  
CAROL KLATT  
JIM SPERING

JOHN GIOIA, VICE CHAIRPERSON  
DAVID HUDSON  
ERIC MAR  
KEN YEAGER

THURSDAY  
MARCH 3, 2011  
9:30 A.M.

4<sup>th</sup> FLOOR CONFERENCE ROOM  
939 ELLIS STREET  
SAN FRANCISCO, CA 94109

**AGENDA**

1. **CALL TO ORDER - PROLL CALL**
2. **PUBLIC COMMENT PERIOD** (*Public Comment on Non-Agenda Items Pursuant to Government Code § 54954.3*) Members of the public are afforded the opportunity to speak on any agenda item. All agendas for regular meetings are posted at District headquarters, 939 Ellis Street, San Francisco, CA, at least 72 hours in advance of a regular meeting. At the beginning of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Board's authority. Speakers will be limited to three (3) minutes each.
3. **APPROVAL OF MINUTES OF DECEMBER 13, 2010**
4. **PROPOSED RULE FOR LOW-USE STATIONARY AGRICULTURAL DIESEL ENGINES**  
H. Hilken/4642  
[hhilken@baaqmd.gov](mailto:hhilken@baaqmd.gov)  
*The Committee will receive an update on a proposed rule to provide an alternative to CARB's Air Toxics Control Measure for low-use stationary agricultural diesel engines.*
5. **PROPOSED METAL MELTING RULE**  
H. Hilken/4642  
[hhilken@baaqmd.gov](mailto:hhilken@baaqmd.gov)  
*The Committee will receive an update on a proposed rule for metal melting facilities.*
6. **PROPOSED AMENDMENTS TO REGULATION 9, RULE 7: NO<sub>x</sub> AND CO FROM INDUSTRIAL, INSTITUTIONAL, AND COMMERCIAL BOILERS, STEAM GENERATORS AND PROCESS HEATERS**  
H. Hilken/4642  
[hhilken@baaqmd.gov](mailto:hhilken@baaqmd.gov)  
*The Committee will receive a report on proposed amendments to Regulation 9, Rule 7 which limits nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emission from combustion devices such as boilers, steam generators and process heaters.*
7. **COMMITTEE MEMBER COMMENTS/OTHER BUSINESS**  
*Any member of the Board, or its staff, on his or her own initiative or in response to questions posed by the public, may: ask a question for clarification, 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 take action to direct staff to place a matter of business on a future agenda. (Gov't Code § 54954.2).*

8. **TIME AND PLACE OF NEXT MEETING – AT THE CALL OF THE CHAIR**
9. **ADJOURNMENT**

**CONTACT THE EXECUTIVE OFFICE - 939 ELLIS STREET SF, CA 94109**

**(415) 749-5130**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://www.baaqmd.gov)

- To submit written comments on an agenda item in advance of the meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- To request special accommodations for those persons with disabilities notification to the Executive Office should be given at least 3 working days prior to the date of the meeting, so that arrangements can be made accordingly.
- Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body to which this Agenda relates shall be made available at the Air District's headquarters at 939 Ellis Street, San Francisco, CA 94109, at the time such writing is made available to all, or a majority of all, members of that body. Such writing(s) may also be posted on the Air District's website ([www.baaqmd.gov](http://www.baaqmd.gov)) at that time.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109**  
**(415) 771-6000**

**EXECUTIVE OFFICE:**  
**MONTHLY CALENDAR OF DISTRICT MEETINGS**

**MARCH 2011**

| <b><u>TYPE OF MEETING</u></b>   | <b><u>DAY</u></b> | <b><u>DATE</u></b> | <b><u>TIME</u></b>                                | <b><u>ROOM</u></b>               |
|---|-------------------|--------------------|---|----------------------------------|
| <b>Board of Directors Regular Meeting</b><br><i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday         | 2                  | 9:45 a.m.   | Board Room                       |
| <b>Board of Directors Stationary Source Committee</b> <i>(At the Call of the Chair)</i>                                 | Thursday          | 3                  | 9:30 a.m.   | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Public Outreach Committee</b> <i>(At the Call of the Chair)</i>                                   | Thursday          | 3                  | 11:00 a.m.<br>Following Stationary Source Meeting | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Legislative Committee</b> <i>(At the Call of the Chair)</i>                                       | Monday            | 7                  | 9:45 a.m.   | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Climate Protection Committee</b> <i>(At the Call of the Chair)</i>                                | Monday            | 7                  | 11:00 a.m.<br>Following Legislative Meeting       | 4 <sup>th</sup> Floor Conf. Room |
| <b>Advisory Council Meeting</b>   | Wednesday         | 9                  | 9:00 a.m.   | Board Room                       |
| <b>Board of Directors Personnel Committee</b> <i>(At the Call of the Chair)</i>   | Monday            | 14                 | 9:30 a.m.   | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Regular Meeting</b><br><i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday         | 16                 | 9:45 a.m.   | Board Room                       |
| <b>Board of Directors Budget &amp; Finance Committee</b> <i>(At the Call of the Chair)</i>                              | Wednesday         | 23                 | 1:00 p.m.   | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>                     | Thursday          | 24                 | 9:30 a.m.   | 4 <sup>th</sup> Floor Conf. Room |

**APRIL 2011**

| <b><u>TYPE OF MEETING</u></b>   | <b><u>DAY</u></b> | <b><u>DATE</u></b> | <b><u>TIME</u></b> | <b><u>ROOM</u></b>               |
|---|-------------------|--------------------|--------------------|----------------------------------|
| <b>Board of Directors Regular Meeting</b><br><i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday         | 6                  | 9:45 a.m.          | Board Room                       |
| <b>Board of Directors Executive Committee</b> <i>(At the Call of the Chair)</i>   | Monday            | 11                 | 9:30 a.m.          | 4 <sup>th</sup> Floor Conf. Room |
| <b>Board of Directors Regular Meeting</b><br><i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday         | 20                 | 9:45 a.m.          | Board Room                       |

## APRIL 2011

| <u>TYPE OF MEETING</u>  | <u>DAY</u> | <u>DATE</u> | <u>TIME</u>                              | <u>ROOM</u>                         |
|---|------------|-------------|--|-------------------------------------|
| <b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i> | Thursday   | 28          | 9:30 a.m.                                | 4 <sup>th</sup> Floor<br>Conf. Room |
| <b>Board of Directors Budget &amp; Finance Committee</b> <i>(At the Call of the Chair)</i>          | Thursday   | 28          | 11:00 a.m.<br>Following<br>Mobile Source | 4 <sup>th</sup> Floor Conf. Room    |

## MAY 2011

| <u>TYPE OF MEETING</u>   | <u>DAY</u> | <u>DATE</u> | <u>TIME</u> | <u>ROOM</u>                         |
|--|------------|-------------|-------------|-------------------------------------|
| <b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday  | 4           | 9:45 a.m.   | Board Room                          |
| <b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> | Wednesday  | 18          | 9:45 a.m.   | Board Room                          |
| <b>Board of Directors Budget &amp; Finance Committee</b> <i>(At the Call of the Chair)</i>                           | Wednesday  | 25          | 1:00 p.m.   | 4 <sup>th</sup> Floor<br>Conf. Room |
| <b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>                  | Thursday   | 26          | 9:30 a.m.   | 4 <sup>th</sup> Floor<br>Conf. Room |

HL – 2/23/11 (9:50 a.m.)  
P/Library/Forms/Calendar/Calendar/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Uilkema and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 22, 2011

Re: Stationary Source Committee Draft Minutes

RECOMMENDED ACTION:

Approve attached draft minutes of the Stationary Source Committee meetings of December 13, 2010.

DISCUSSION

Attached for your review and approval are the draft minutes of the December 13, 2010 Stationary Source Committee meetings.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, California 94109  
(415) 771-6000

**DRAFT MINUTES**

Summary of Board of Directors  
Stationary Source Committee Meeting  
9:30 a.m., Monday, December 13, 2010

**Call to Order – Roll Call:** Chairperson Gayle Uilkema called the meeting to order at 9:30 a.m.

**Present:** Gayle B. Uilkema, Chairperson; and Directors Susan Garner, John Gioia, Carole Groom, David Hudson, Scott Haggerty

**Absent:** Vice Chair James Sperring; and Directors Carol Klatt and Nate Miley

**Also Present:** Board Chairperson Brad Wagenknecht and Director Mark Ross

**Public Comment Period - None**

**3. Approval of Minutes of September 27, 2010**

**Committee Action:** Director Groom made a motion to approve the Minutes of September 27, 2010; Director Gioia seconded the motion; approved unanimously without objection.

**4. Status Report on Petroleum Refinery Flare Minimization Plan Annual Updates**

Air Quality Program Manager, Wayne Kino, gave the staff presentation and third annual update of the Petroleum Refinery Flare Minimization Plans (FMP). He gave a background of what each plan must include, noted the initial FMPs were approved July 16, 2007 with annual updates provided since that time on April 17, 2009 and December 29, 2009. The activity covered is on a fiscal year basis, and includes District analysis and a public comment period.

Mr. Kino described the fuel gas recovery system and triggers that would breach normal pressure levels. While there have been significant decreases in flaring, it still occurs and monitoring occurs. Prevention and minimization focuses on source reduction, vent gas compressor capacity, fuel gas balance, and scrubbing sour gases, each of which he briefly described.

Mr. Kino then presented refinery vent gas volume flared from 2004-2010 by refinery, methane (CH<sub>4</sub>) emissions by refinery, hydrocarbon (NMHC) emissions, sulfur dioxide (SO<sub>2</sub>) emissions, and vent gas volume showing the annual total and the portion associated with maintenance procedures from 2006 through 2009. He said the flare minimization plans look at emergencies, and the shut down and start-up emissions are something the District would like reduced and controlled further. He presented maintenance flaring by facility from 2006-2009 showing annual total flow.

Next steps include:

- Consideration of public comments received;
- Review and evaluate FMPs for approval;
- District final action by January 25, 2011;
- Improvements to minimize “maintenance” flaring

The third annual updates will be approved at the end of January 2011.

Committee Comments/Discussion:

Director Gioia questioned and confirmed differences between the volume for emergency flaring and totals shown in blue and orange on Slide 12, and requested that staff provide a similar slide showing emergency flaring. Chair Wagenknecht requested staff also provide the cost refineries are putting into flare minimization, which Mr. Kino agreed to provide.

Chair Wagenknecht referred to improvements shown for Shell Refinery from 2006 and 2009 and Mr. Kino explained how that refinery has addressed flaring through slowdown of start-ups and control of sources going into flare systems, which has added costs.

Director Garner referred to ConocoPhillips’ trends, and hoped they could improve to the level of Shell Refinery. Director Gioia suggested the data may have been attributable to ConocoPhillips’ 2009 start-up of their new hydrogen project.

**Committee Action:** None; informational only.

**5. Status Report on Lennar BVHP Redevelopment Project**

Director Haggerty confirmed that Bayview Hunters Point (BVHP) community members were noticed of the meeting and informed that this item would be heard this date, and voiced surprise there were no representatives present. Mr. Broadbent stated there has been dialogue back and forth and a separate meeting with them is scheduled to be held the next day.

Air Quality Program Manager John Marvin gave the staff presentation and overview of Lennar BVHP Redevelopment project. He presented an aerial view of Parcel A, a background of the future site of 1600 attached single family homes on 75 acres located in an area that contains Naturally Occurring Asbestos (NOA). Grading and construction activities are subject to State Air Toxics Control Measure and he said any project

greater than one acre must have an asbestos dust mitigation plan with air monitoring for ambient asbestos.

Mr. Marvin presented a map of Parcel A's ambient asbestos (District) monitors and (San Francisco Department of Public Health) community monitors. The project has been on-going since 2006, and from data gathered, staff can determine an average annual calculation and project it out to arrive at a risk analysis, which he presented for the District's monitors. He noted this shows a monitored cancer health risk of less than 10 in a million. He then presented community monitors showing calculated cancer health risk is all less than 10 in a million.

Mr. Marvin gave a project update, stating that in August 2009 the District requested Lennar revise their dust mitigation plan and include 14 additional NOA dust mitigation measures. He stated the District has augmented an additional 4 community air monitors and has also incorporated U.S. EPA dust mitigation suggestions. There have been no elevated readings since February 2010 and health risks remain less than significant.

He reviewed construction activities, said the District continues to conduct daily site inspections to ensure compliance, and reported on the following work:

- Major grading and excavation work is completed
- Utilities infrastructure installation
- Roadways paved
- Installation of electrical cable lines

He presented a series of pictures showing the street pavement on Parcel A, installation of curb and gutters, infrastructure, and said the project is ready for its second phase.

Mr. Marvin said BVHP voiced concern about airborne metals and the soils and bedrock of Parcel A containing naturally occurring metals. He said the Navy remediated the site to background levels of metals and lead contamination has been cleaned up, including arsenic, chrome VI and manganese. The particulate monitoring indicates no significant health risks associated from inhalation of airborne metals at Parcel A.

Mr. Marvin then reviewed future redevelopment projects, the expected transfer dates of the Navy's remediation and turnover to the City and thereafter, turnover to Lennar for redevelopment.

#### Committee Comments/Questions:

Director Haggerty questioned with Mr. Marvin instances where the monitoring data has been higher, noting the situation varies day to day. He noted that calculations are based on an average since 2006.

Mr. Broadbent acknowledged that there have been days where monitors have recorded high levels. The Asbestos Dust Mitigation Plan (ADMP) requires Lennar to stop grading and activities by the next day. He said the inspector is there full-time dedicated to the community and staff believes the environment is well controlled. He also noted that the risk associated is based on a 70-year lifetime average. When questioned about the

need for additional monitors, Mr. Stevenson added that analysis is expensive to identify asbestos fibers and there are sources from other locations and exposures in residential areas near major rail lines and highways. The level of exposure is dependent upon land usage, the environment and activities in the area.

Mr. Broadbent reported there are areas with naturally occurring asbestos up and down along the Bay Area peninsula, and Chair Uilkema voiced interest in having this information presented at a future meeting.

Chair Wagenknecht questioned whether CEQA guidelines help with projects coming in that may stir up naturally occurring asbestos. Mr. Hilken explained there are new thresholds for developments. Chair Wagenknecht confirmed with Mr. Marvin that the BVHP monitoring data are collected daily, results are revealed the next day, and they only monitor asbestos. Mr. Marvin discussed soil samples taken from the Navy's remediation project and said the soil from grading excavation had the same concentrations. From this, the District was able to estimate that airborne concentrations were less than significant.

Chair Wagenknecht questioned the District's protocol during spiking periods where there is increased dust. Mr. Marvin said the project would stop the next day if levels get over 16,000 structures per cubic meter and would not be able to restart until all monitors fall below this trigger, which translates to 100 in 1 million cancer risks over a 70 year lifetime. He said the District works with Lennar to determine what has occurred and actions taken when elevated readings are seen. Mr. Broadbent also noted that ADMP calls for the halting of a project if wind speed exceeds 25 mph.

Director Groom questioned what would be done for monitor levels showing 10 in 1 million. Mr. Marvin stated the District would provide notification to do some amount of watering to lower dust; however, the District does not enforce mitigation action until it is over 100 in 1 million.

Director Groom questioned the gap in response and asked why SFPHD's monitors all register higher numbers. Mr. Stevenson said this is most likely due to sites located close to a roadway, and attributable to bus traffic and properties managed by the Navy, which is the case for sites identified on Slide 7 showing 3.7 in 1 million and 4.5 in 1 million.

Director Groom questioned whether there is need for additional monitors. Mr. Broadbent discussed on-going communication with the Bayview Hunters Point community. He said much of the grading and utility work has been completed and dust generation should be reduced further. He pointed out that the area is slated for future development which is described in Slide 12, and said there will continue to be complaints where the District will need to respond and take action. He said comments today will be helpful in requiring as much monitoring as possible in the future.

Chair Uilkema summarized the theme of comments by Directors as the desire to look at ways to respond more actively and immediately when it is obvious there is a violation rather than the next day. Director Haggerty questioned and confirmed that the District must approve the monitors Lennar installs and Lennar must report out information.

Director Garner referred to the SFPHD's community monitor data registering higher figures and questioned the need for a background asbestos monitor. She cited the District's inability to distinguish between naturally occurring asbestos versus what is coming from surrounding areas and future planned development in the vicinity, all of which would benefit from additional monitors. Mr. Broadbent said staff could provide background levels of asbestos and suggested returning with information for the Committee.

Director Garner questioned whether Navy remediation projects are being monitored. Mr. Broadbent stated the superfund site is remediating metals and solids, and oversight is provided by the U.S. EPA and the Department of Toxics and Substance Control. Much of the work has been completed and a significant amount of soil has been removed.

In summary, Mr. Broadbent said the Parcel A Redevelopment Project is an ongoing effort. Staff will brief the Committee in the future and the Committee will most likely hear comments and requests for more stringent efforts at upcoming Board meetings. He reported a number of efforts are underway with use of the settlement funds, such as air filtration systems for five schools in BVHP and a Breathe Mobile.

Chair Uilkema cited the value of periodic briefings, voiced concern that the BVHP community is not present, and suggested that materials presented be made available to them. She supported the request made of Director Garner for additional off-site monitoring, and Mr. Broadbent stated that staff would look into this.

Director Hudson referred to Slide 12 and questioned the significance of future redevelopment projects labeled "F". Mr. Bunger replied that the area delineated by the dashed line is inclusive of the superfund site. There has been dredging around the area to pull up deposited materials, and both water line and land portions will be transferred once remediated.

Public Comments: None

Chair Uilkema asked that presentation materials be documented and incorporated into the record, acknowledged that the District is trying to be interactive with the BVHP community, but reiterated the fact that there was no public comment received.

**Committee Action:** None; informational only.

## **6. Report on the District's Odor Evaluation Technical Conference**

Air Quality Program Manager John Marvin gave a staff presentation on the District's Odor Evaluation Technical Conference, held August 2, 2010 at the MTC Auditorium in Oakland. He provided a background of the District's review of its odor complaint process where several initiatives have resulted in incorporating new technologies for odor assessment and measurement, developing a new rule for the metal melting industry, improving customer feedback, and providing additional odor complaint training for staff.

Mr. Marvin reviewed odor assessment and measurement challenges, discussed the science of odors and gave an overview of speaker presentations, involvement of community activists, odor evaluation and monitoring technologies. He described and presented examples of:

- Measuring ambient odor;
- An odor wheel application;
- zNose, a portable device used to detect and analyze odorous compounds;
- Community-based odor sampling programs in the Bay Area; and
- OdoWatch, real-time odor emissions and impact monitoring using electronic noses

Next steps include evaluating new and innovative ways to improve the air quality in neighborhoods through the use of science and the application of science to air pollution odors.

Current Efforts Include:

- Odor sensitivity testing of inspection staff;
- Field testing Nasal Ranger Field Olfactometers;
- Attending demonstrations on portable GC/MS (Gas chromatograph / mass spectrometer);
- Designing sampling project for odorous facility

Public Comments:

James Simonelli, Executive Director, California Metals Coalition, spoke of the diverse technical speakers, said they will work with staff during the review period, and expressed some concern by small businesses regarding the pending draft metal melting rule, noting their organization introduced legislation this year signed into law which focuses on types of odor complaints that are repeated and unwarranted.

Committee Comments/Questions:

Chair Uilkema thanked staff for the presentation and noted Directors often receive comments about odors and it is difficult to determine what is or could be dangerous.

Director Gioia agreed; there are odors that are nuisances and public health issues, some harmful and some not, and asked that the PowerPoint presentation be emailed to him. In response to questions regarding the odor wheel applications, Mr. Marvin discussed determination of categories, rating scales of intensities, and priority for addressing odors that affect the most downwind populations.

Mr. Broadbent said the metal melting rule will be brought for consideration in April/May timeframe of next year and heard by the Stationary Source Committee. It is part of the Clean Air Plan and thinks the Committee will hear a lot of discussion about odors. Staff is also looking at holding another conference in the future.

**Committee Action:** None; informational only.

**7. Proposed Regulation 11, Rule 17: Limited Use Stationary Agricultural Engines**

Victor Douglas, Acting Manager for Rule Development, gave the staff presentation regarding the proposed Regulation 11, Rule 17, a background of CARB's Air Toxic Control Measure (ATCM), amendments to include agricultural engines and pending compliance deadlines. He reviewed registration statistics, engines replaced early with District funding, specifics of the proposed regulation, exemptions, incorporation of an Alternative Compliance Plan, and presented a chart which showing that the proposal achieves greater reductions than the ATCM.

He reviewed costs per engine size, the current Tier 3 in the ATCM, and the proposed Interim Tier 4 cost. He said the District conducted extensive outreach in all 9 Bay Area counties with farm bureaus, grape growers associations, California Poultry Federation, and the Western United Dairymen's Association. Staff is working with agricultural communities to schedule workshops.

Next Steps include:

- Draft Rule and workshop report finalized
- ARB supports approach
- 8 workshops in January in 8 counties
- EIR Notice of Preparation and Initial Study prepared
- Public Hearing proposed in March

Committee Comments/Questions: None

Public Comments: None

**Committee Action:** None; informational only.

**8. Committee Member Comments/Other Business:** Chair Uilkema thanked staff for presentations of the Committee, and members for their participation. Directors repeated their observation that no representatives were present from the BVHP community, and asked that materials from the meeting be made available to them.

**9. Time and Place of Next Meeting:** At the Call of the Chair

**10. Adjournment:** The meeting adjourned at 11:29 a.m.

Lisa Harper  
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Uilkema and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 16, 2011

Re: Proposed Regulation 11, Rule 17: Limited Use Stationary Compression  
Ignition Engines in Agricultural Use

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RECOMMENDED ACTION

Receive and file.

BACKGROUND

District staff is developing a proposed new rule concerned primarily with low-use diesel driven water pumps used to protect agricultural crops from frost on cold winter nights. The California Air Resources Board (CARB) developed an Airborne Toxic Control Measure (ATCM) for agricultural diesel engines in 2006. The ATCM required existing stationary agricultural diesel engines greater than 100 HP (most engines) to meet emission standards by December 31, 2010, and those diesel engines from 50 – 100 HP to meet emissions standards by December 31, 2011. The only viable method of meeting the emission standards is to replace the engines.

The District's proposed rule is intended to provide flexibility to affected parties in meeting the requirements of the CARB ATCM. The ATCM exempts agricultural wind machines and agricultural emergency generators. However, the ATCM does not provide any other exemptions for low-use agricultural diesel engines. Vineyard owners have pointed out that the economic analysis during development of the ATCM did not properly consider rarely used stationary agricultural diesel engines, and the minimal emissions and exposure from these engines. This proposed rule is designed to address this concern.

At the September 27, 2010 Stationary Source Committee meeting, staff was directed to conduct robust outreach to affected agricultural operations and trade organizations and investigate regulatory requirements consistent with those adopted by other districts, such as Northern Sonoma County Air Pollution Control District.

DISCUSSION

In this report, staff will provide the Committee with information on:

- Extensive outreach to the agricultural community through county agricultural departments, and trade organizations like the county Farm Bureaus, grape and flower growers associations, and Western United Dairyemen's Association.

- A proposed exemption for stationary agricultural diesel engines used less than 20 hours per year.
- A proposed Alternate Compliance Plan for stationary agricultural diesel engines used less than 100 hours per year, extending compliance dates out to 2020/2025.
- Strategic Incentive Funds for early engine replacement may again become available with delayed compliance dates.
- Use of the Alternate Compliance Plan will enable engine replacement with cleaner (Tier 4) diesel engines, thus achieving greater VOC, NO<sub>x</sub>, and PM emissions than the ATCM.
- Environmental impacts of the proposed rule.
- Feedback from nine workshops conducted in eight of the nine Bay Area counties.
- Next steps in the rule development process.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Guy Gimlen  
Reviewed by: Henry Hilken

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Uilkema and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 16, 2011

Re: Proposed Regulation 12, Rule 13: Metal Melting and Processing Facilities

RECOMMENDED ACTION

Receive and file.

BACKGROUND

There are approximately 25 to 30 facilities that conduct metal melting and processing operations in the District. These operations are subject to various federal, state and District rules and regulations. However, staff believes additional emission reductions can be achieved at these facilities. In addition, certain of these facilities are the source of community concerns. In response to these concerns and to reduce public exposure, staff developed Stationary Source Control Measure SSM 1 in the 2010 Clean Air Plan, and has evaluated these facilities. Staff has drafted a workshop proposal in an effort to further reduce emissions of air pollutants and odors.

DISCUSSION

In this report, staff will provide the Committee with information on:

- Background on metal melting and processing operations in the Bay Area;
- Summary of outreach efforts;
- Discussion of the regulatory concepts contained in the workshop proposal; and
- Next steps in the regulatory development process.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Victor Douglas  
Reviewed by: Henry Hilken

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Uilkema and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 16, 2011

Re: Proposed Amendments to Regulation 9, Rule 7: NO<sub>x</sub> and CO from Industrial, Institutional and Commercial Boilers, Steam Generators and Process Heaters

RECOMMENDED ACTION

Receive and file.

BACKGROUND

Regulation 9, Rule 7 limits nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emissions from industrial, institutional and commercial boilers, steam generators and process heaters. This regulation was last amended in July 2008 to significantly enhance the NO<sub>x</sub> emission limits, and also to expand the applicability of the rule to a large population of previously-unregulated devices rated >2 to <10 MM BTU/hr. Two new programs were added to the rule to allow enforcement of emission requirements on this new group of heaters. First, operators of these devices, which are not subject to permit requirements, were required to register these devices using an online registration form by January 1, 2011. Second, manufacturers of these devices were required to pre-certify these devices before they could offer them for sale, also beginning January 1, 2011.

To date, no manufacturer has certified a small boiler for compliance with Regulation 9, Rule 7 standards although boilers that meet these standards have been sold in the South Coast and other air districts for some time. To address this situation, staff proposes to extend compliance dates for devices in the >2 to <10 MM BTU/hr size range until January 1, 2013. The regulation required compliance by January 1, 2011 for devices rated >2 to 5 MM BTU/hr and by January 1, 2012 for devices rated >5 to <10 MM BTU/hr. Therefore, the proposed extension is either for one year or two years depending on the size of the device.

Also, staff proposes to simplify the manufacturer certification process and to expand the acceptable test methods for certification testing.

DISCUSSION

Staff will provide the Committee with the following information:

- Background on current rule requirements and a description of affected equipment and their emissions;
- Proposed amendments to Regulation 9, Rule 7;
- Rule development process to date; and
- Remaining steps to a public hearing.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Julian Elliot  
Reviewed by: Henry Hilken