



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
STATIONARY SOURCE COMMITTEE MEETING

COMMITTEE MEMBERS

SCOTT HAGGERTY – CHAIRPERSON    MICHAEL SHIMANSKY - VICE CHAIRPERSON  
JOHN GIOIA  
NATE MILEY  
JOHN SILVA  
JAKE MCGOLDRICK  
MARK ROSS  
PAMELA TORLIATT  
GAYLE B. UILKEMA

MONDAY  
MARCH 17, 2008  
9:30 A.M.

4<sup>th</sup> FLOOR CONFERENCE ROOM  
DISTRICT OFFICES

**AGENDA**

1. **CALL TO ORDER - ROLL 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 3, 2007**
4. **UPDATE ON REGULATION 6, RULE 3: WOOD BURNING DEVICES**  

**K. Wee/4760**  
[kwee@baaqmd.gov](mailto:kwee@baaqmd.gov)

*The Committee will receive a status report on revisions to the draft Regulation 6, Rule 3: Wood Burning Devices and discuss the upcoming informational public meetings.*
5. **DISCUSSION OF 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 NO<sub>x</sub> and CO emissions from combustion devices such as boilers, steam generators and process heaters. A public workshop on the proposed amendments is scheduled for April 2008.*
6. **PROPOSED AMENDMENTS TO REGULATION 8, RULE 20: GRAPHIC ARTS PRINTING AND COATING OPERATIONS**  

**H. Hilken/4642**  
[hhilken@baaqmd.gov](mailto:hhilken@baaqmd.gov)

*The Committee will receive a report on proposed amendments to Regulation 8, Rule 20: Graphic Arts Printing and Coating Operations. A public workshop on the proposed amendments is anticipated in April 2008.*

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) 749-5127**  
**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.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Scott Haggerty and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 5, 2008

Re: Stationary Source Committee Draft Minutes

RECOMMENDED ACTION:

Approve attached draft minutes of the Stationary Source Committee meeting of December 3, 2007.

DISCUSSION

Attached for your review and approval are the draft minutes of the December 3, 2007, Stationary Source Committee meeting.

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 3, 2007

1. **Call to Order – Roll Call:** Chairperson Scott Haggerty called the meeting to order at 9:38 a.m.

**Present:** Scott Haggerty, Chair, John Gioia, Jerry Hill, Nate Miley, Michael Shimansky, John Silva, Pamela Torliatt.

**Absent:** Chris Daly, Jake McGoldrick.

**Also Present:** Mark Ross, Board Chair.

2. **Public Comment Period:** There were none.
3. **Approval of Minutes of October 29, 2007:** Director Shimansky moved approval of the minutes; seconded by Director Torliatt; carried unanimously without objection.
4. **Status Report on Proposed Regulation 6; Rule 2: Commercial Cooking Equipment:** *The Committee received a status report on proposed Regulation 6; Rule 2: Commercial Cooking Equipment. A public hearing on the rule is scheduled for December 5, 2007.*

Henry Hilken, Director of Planning, Rules & Research, introduced the item and stated that staff has been working on Regulation 6, Rule 2 and that the regulation would control emissions from charbroilers.

Virginia Lau, Senior Air Quality Specialist presented the report and provided information on the regulatory history and background regarding the rule and stated that three other air districts have rules on chain-driven charbroilers. The Air District staff has met with a number of restaurant associations and other agencies, held six public workshops, and presented reports at six Stationary Source Committee meetings. Ms. Lau provided an overview of the health impacts of Particulate Matter (PM) exposure and stated that restaurants produce a significant amount of PM.

The requirements in the proposed rule for chain-driven charbroilers and under-fired charbroilers were provided to the Committee. The effective date for chain-driven charbroilers is January 1, 2009; January 1, 2010 for new under-fired charbroilers; and January 1, 2013 for existing under-fired charbroilers. Ms. Lau provided examples of restaurants that would be subject to the rule; reviewed emissions from Bay Area restaurants and the anticipated emission reductions; and provided information on the cost of the different types of abatement equipment.

An overview of the October workshop comments and the Air District responses was provided to the Committee. Comments and responses were incorporated into the Staff Report, and the public hearing for the proposed rule is scheduled for December 5, 2007. Staff will continue outreach to the affected sources.

The following individual spoke on this agenda item:

Jenny Bard  
American Lung Association  
Santa Rosa, CA 95407

The Committee discussed the changes made to the proposed regulation potentially lowering the threshold at some point in the future and the difference between PM<sub>10</sub> and PM<sub>2.5</sub>. It was noted that the Air District is keeping the restaurants involved in the process.

**Committee Action:** None. This report provided for information only.

**5. Status Report on the Draft Wood Smoke Regulation 6; Rule 3: Wood-Burning Devices:**  
*The Committee received a status report on the seven public workshops for draft Regulation 6, Rule 3: Wood-Burning Devices.*

Eric Pop, Air Quality Specialist, presented the report and stated that wood smoke is the largest contributor of winter PM<sub>2.5</sub> and provided information on the Bay Area locations that exceed the Environmental Protection Agency (EPA) PM<sub>2.5</sub> air quality standard. Mr. Pop presented a chart that tracked the PM<sub>2.5</sub> levels December 3 through December 7, 2006 at the Vallejo, San Francisco, Livermore, Redwood City and San Jose Central monitoring stations and noted that the peak events were in the evenings.

Mr. Pop reviewed a chart on contributors to PM<sub>2.5</sub> excesses which indicates that wood burning is a high contributor. The National 24-hours standard is 35/ug/m<sup>3</sup> and the chart shows that wood burning is above that standard. Mr. Pop discussed the health effects of exposure to PM, including the proportion of population affected and the adversity of effects. A list of health studies relating to PM was presented to the Committee.

A wood smoke rule is needed because in December 2006, the EPA lowered the standard for PM<sub>2.5</sub>; the Bay Area exceeds that standard on average 20-30 days per year; and the largest contributor to wintertime PM is wood smoke. The proposed rule would:

- Prohibit burning on nights with high PM forecast,
- Limit smoke from burning in wood-burning devices (WBDs),
- Require cleaner burning technology for WBD sales,
- Require cleaner burning technology for WBDs in new construction,
- Prohibit burning garbage in WBDs, and
- Require seasoned wood sales and solid fuel labeling.

Mr. Pop stated that the rule would contain exemptions for sole source of heat and for unavailability of natural gas. With the adoption of the proposed new rule, changes would be needed to two existing rules, Regulation 1, General Provisions and Regulation 5, Open Burning.

Kelly Wee, Director of Compliance and Enforcement, provided an overview of the public workshops and the media coverage that the Air District received on the topic. Mr. Wee reviewed the concerns raised at the workshops and stated that the public comment period is open to December 10, 2007. Mr. Wee stated that the District will respond to comments received and will revise the draft regulation as appropriate. Additional workshops will be held in late February or early March 2008 and a public hearing for adoption of the rule could be held in mid-2008.

During discussion the Committee provided direction to staff to increase the effectiveness of the public outreach and suggested improvements for the draft regulation. There was also discussion on enforcement of the regulation once it is adopted and penalties for violation of the regulation.

The following individual spoke on this agenda item:

Jenny Bard  
American Lung Association  
Santa Rosa, CA 95404

There was additional discussion from the Committee on fines for violating the regulation, educating school children, that the Air District have a consistent message, whether EPA stoves should be exempt, and getting the message out that air pollution can trigger health issues.

The following individual spoke on this agenda item:

Ken Mandelbaum  
Mill Valley, CA 94941

**Committee Action:** None. This report provided for information only.

6. **Committee Member Comments/Other Business:** There were none.
7. **Time and Place of Next Meeting:** At the Call of the Chair.
8. **Adjournment:** The meeting adjourned at 11:16 a.m.

Mary Romaidis  
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Haggerty and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 10, 2008

Re: Status Update on the Wood Smoke Rule Development

RECOMMENDED ACTION:

Receive and file.

BACKGROUND

The Air District is proposing Regulation 6, Rule 3 to reduce particulate matter and visible emissions from wood-burning devices to help attain the National 24-hour PM<sub>2.5</sub> standard. During the 07/08 winter, the Air District experienced 7 days over the 35 µg/m<sup>3</sup> 24-hr national standard and ambient air monitoring data indicates that residential wood smoke contributes the largest fraction of PM<sub>2.5</sub>, comprising up to 33% of peak winter PM<sub>2.5</sub> levels. The Air District will likely be classified as non-attainment for the National standard, and cannot attain that standard without a wood smoke reduction rule.

At the December 3, 2007 Stationary Source Committee meeting, staff reviewed the proposed draft Regulation 6, Rule 3, "Wood-Burning Devices"; summarized the public workshop comments received to date; and identified next steps in the rule development process. The public comment period for the draft rule closed on December 10, 2007. Since that time, staff has reviewed all comments received during the public comment period, revised the proposed rule based on comments received, started the EIR process, and planned for the next round of informational public meetings.

DISCUSSION

Staff will provide the Committee with the following information:

- Background information on PM<sub>2.5</sub>;
- Public comment concerns & issues and District Response;
- Review of revised Regulation 6, Rule 3: Wood-Burning Devices;
- Draft schedule of the next round of informational meetings; and
- Next steps in the rule development process

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Paul Hibser  
Reviewed by: Kelly Wee

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 5, 2008

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

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RECOMMENDED ACTION:

Receive and file.

BACKGROUND

Regulation 9, Rule 7 limits nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emissions from combustion devices such as boilers, steam generators and process heaters with heat ratings of 10 million BTU/hr or more. Control Measure SS 12 in the 2005 Ozone Strategy proposes to make the emission limits in this rule more stringent, and also to create emission limits for devices rated higher than 2 million BTU/hr.

DISCUSSION:

Staff will provide the Committee with the following information:

- Description of the affected facilities and equipment;
- Proposed amendments to Regulation 9, Rule 7, including measures to reduce greenhouse gas emissions;
- Estimated emissions reductions; and
- Next steps in the rule development process.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Julian Elliot  
Reviewed by: Henry Hilken



BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 5, 2008

Re: Proposed Amendments to Regulation 8, Rule 20: Graphic Arts Printing and  
Coating Operations

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RECOMMENDED ACTION:

Receive and file.

BACKGROUND

The 2005 Ozone Strategy Control Measure SS-2 identified Regulation 8, Rule 20 as providing opportunities for further VOC reductions from graphic arts printing and coating operations. Staff has identified standards in the graphic arts rule where existing VOC limits can be reduced. Also, cleaning solvents used in the industry that are not currently subject to the rule are proposed to be regulated to further reduce VOC emissions. Staff anticipates scheduling public workshops on the proposed amendments in April.

DISCUSSION

In this report, staff will present information on:

- Background on Bay Area printing and coating operations;
- Proposed amendments to Regulation 8, Rule 20;
- Potential VOC emission reductions; and
- Next steps in the rule development process.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT:

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: William Thomas Saltz  
Reviewed by: Henry Hilken