



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
STATIONARY SOURCE COMMITTEE

COMMITTEE MEMBERS

JOHN GIOIA - CHAIR  
DAVID CANEPA  
SCOTT HAGGERTY  
KAREN MITCHOFF  
BRAD WAGENKNECHT

ROD SINKS – VICE CHAIR  
CAROLE GROOM  
NATE MILEY  
JIM SPERING

**MONDAY**  
**APRIL 17, 2017**  
**9:30 A.M.**

**1<sup>ST</sup> FLOOR BOARD ROOM**  
**375 BEALE STREET**  
**SAN FRANCISCO, CA 94105**

**AGENDA**

**1. CALL TO ORDER - ROLL CALL – PLEDGE OF ALLEGIANCE**

*The Committee Chair shall call the meeting to order and the Clerk of the Boards shall take roll of the Committee members. The Committee Chair shall lead the Pledge of Allegiance.*

**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, 375 Beale Street, San Francisco, CA, 94105 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 Committee's subject matter jurisdiction. Speakers will be limited to three (3) minutes each.*

*This meeting will be webcast. To see the webcast, please visit <http://www.baaqmd.gov/about-the-air-district/board-of-directors/resolutionsagendasminutes> at the time of the meeting.*

**Staff/Phone (415) 749-**

**3. APPROVAL OF THE MINUTES OF MARCH 20, 2017**

**Clerk of the Boards/5073**

*The Committee will consider approving the draft minutes of the Stationary Source Committee meeting of March 20, 2017.*

4. **UPDATE ON DRAFT REGULATION 11, RULE 18: REDUCTION OF RISK FROM AIR TOXIC EMISSIONS AT EXISTING FACILITIES**

**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*Staff will present an update of the draft Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at existing facilities.*

5. **UPDATE ON REGULATION 6: PARTICULATE MATTER RULE DEVELOPMENT**

**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*Staff will present an overview of particulate matter emissions and associated health impacts within the Bay Area and provide an update on progress on rulemaking to update existing particulate matter rules and develop new rules for specific sources of the pollutant.*

6. **COMMITTEE MEMBER COMMENTS**

*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)*

7. **TIME AND PLACE OF NEXT MEETING**

*Monday, May 15, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 10:30 a.m.*

8. **ADJOURNMENT**

*The Committee meeting shall be adjourned by the Committee Chair.*

**CONTACT:**

**MANAGER, EXECUTIVE OPERATIONS**  
**375 BEALE STREET, SAN FRANCISCO, CA 94105**  
[mmartinez@baaqmd.gov](mailto:mmartinez@baaqmd.gov)

**(415) 749-5016**  
**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. Please note that all correspondence must be addressed to the “Stationary Source Committee” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Board meeting. Any correspondence received after that time will be presented to the Board at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- 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 District’s offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

**Accessibility and Non-Discrimination Policy**

The Bay Area Air Quality Management District (Air District) does not discriminate on the basis of race, national origin, ethnic group identification, ancestry, religion, age, sex, sexual orientation, gender identity, gender expression, color, genetic information, medical condition, or mental or physical disability, or any other attribute or belief protected by law.

It is the Air District’s policy to provide fair and equal access to the benefits of a program or activity administered by Air District. The Air District will not tolerate discrimination against any person(s) seeking to participate in, or receive the benefits of, any program or activity offered or conducted by the Air District. Members of the public who believe they or others were unlawfully denied full and equal access to an Air District program or activity may file a discrimination complaint under this policy. This non-discrimination policy also applies to other people or entities affiliated with Air District, including contractors or grantees that the Air District utilizes to provide benefits and services to members of the public.

Auxiliary aids and services including, for example, qualified interpreters and/or listening devices, to individuals who are deaf or hard of hearing, and to other individuals as necessary to ensure effective communication or an equal opportunity to participate fully in the benefits, activities, programs and services will be provided by the Air District in a timely manner and in such a way as to protect the privacy and independence of the individual. Please contact the Non-Discrimination Coordinator identified below at least three days in advance of a meeting so that arrangements can be made accordingly.

If you believe discrimination has occurred with respect to an Air District program or activity, you may contact the Non-Discrimination Coordinator identified below or visit our website at [www.baaqmd.gov/accessibility](http://www.baaqmd.gov/accessibility) to learn how and where to file a complaint of discrimination.

Questions regarding this Policy should be directed to the Air District’s Non-Discrimination Coordinator, Rex Sanders, at (415) 749-4951 or by email at [rsanders@baaqmd.gov](mailto:rsanders@baaqmd.gov).

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**375 BEALE STREET, SAN FRANCISCO, CALIFORNIA 94105**  
**FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941**

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

**APRIL 2017**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> <b>CANCELLED</b>	Monday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	19	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	26	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> <b>- CANCELLED</b>	Thursday	27	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**MAY 2017**

<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 on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> <b>- CANCELLED</b>	Wednesday	3	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	15	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	15	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	17	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other Month)</i>	Thursday	18	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	24	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	25	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Special Board of Directors Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	31	9:45 a.m.	1 <sup>st</sup> Floor Board Room

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson John Gioia and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: April 5, 2017

Re: Approval of the Minutes of March 20, 2017

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RECOMMENDED ACTION

Approve the attached draft minutes of the Stationary Source Committee (Committee) meeting of March 20, 2017.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of March 20, 2017.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Maricela Martinez

Attachment 3A: Draft Minutes of the Committee Meeting of March 20, 2017

## AGENDA: 3A – ATTACHMENT

Draft Minutes – Stationary Source Committee Meeting of March 20, 2017

Bay Area Air Quality Management District

375 Beale Street, Suite 600  
San Francisco, California 94105  
(415) 749-5073

### **DRAFT MINUTES**

Summary of Board of Directors  
Stationary Source Committee Meeting  
Monday, March 20, 2017

#### **1. CALL TO ORDER – ROLL CALL**

Stationary Source Committee (Committee) Chairperson John Gioia called the meeting to order at 9:34 a.m.

Present: Committee Chairperson John Gioia; and Directors David Canepa, Scott Haggerty, Jim Spering, and Brad Wagenknecht.

Absent: Vice Chairperson Rod Sinks; and Directors Carole Groom, Nate Miley, and Karen Mitchoff.

Also Present: None.

#### **2. PUBLIC COMMENT ON NON-AGENDA MATTERS**

Public comments were given by the following speakers: Kayla Dunlap, De Anza High School; Nadia Alvarez, De Anza High School; Nancy Cuellar, Communities for a Better Environment (CBE); Ajay, CBE; Isabella Gallegos, Richmond High School; Selena Rodriguez, De Anza High School; Charles Han, Shell; and Andres Soto, CBE.

#### **3. APPROVAL OF THE MINUTES OF JANUARY 30, 2017**

##### Public Comments:

No requests received.

##### Committee Comments:

None.

##### Committee Action:

Director Wagenknecht made a motion, seconded by Director Haggerty, to approve the Minutes of January 30, 2017; and the motion carried by the following vote of the Committee:

AYES: Canepa, Gioia, Haggerty, Spering, and Wagenknecht.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Groom, Miley, Mitchoff, and Sinks.

#### **4. MILPITAS / SAN JOSE WASTE FACILITIES UPDATE**

Dr. Jeff McKay, Deputy Air Pollution Control Officer, introduced Wayne Kino, Director of Compliance and Enforcement, who gave the staff presentation *Milpitas/San Jose Waste Facilities Update*, including: overview; changing solid waste industry; odor impacts; facilities and sources; Air District role; 2016 highlights; facility improvements; challenges; and next steps.

##### Public Comments:

No requests received.

##### Committee Comments:

The Committee and staff discussed the history and development of the Newby Island Landfill Expansion project in San Jose; the geographic areas that generate the waste which is brought to the landfill and its odor sources; the comparison of the site locations and complaint rates between the Newby Island Landfill and the Altamont Landfill; the District's lack of authority to issue nuisance violations against composting odors, and the potential amendment to District Regulation 7: Odorous Substances, relative to composting operations; the role public agencies can play to help local jurisdictions select waste facility sites and develop technical solutions to reduce odor complaints; the District's engagement with waste facility staff; the District's comment in the Environmental Impact Report for the Newby Island Landfill Expansion project; the District's participation in commenting on land use and local (housing) projects adjacent to waste facilities, and the need for the jurisdictions housing the facilities to take responsibility for the facilities; California Environmental Quality Act air quality guidelines passed by the District regarding odor impacts; the issue of waste facilities expanding their boundaries and extending their operational permits, and the point at which public agencies should oppose this; and the repurposing of methane generated at waste facilities.

##### Committee Action:

None; receive and file.

#### **5. DRAFT 2017 CLEAN AIR PLAN: SPARE THE AIR, COOL THE CLIMATE**

Jean Roggenkamp, Deputy Executive Officer, introduced Henry Hilken, Director of Planning and Climate Protection, and Idania Zamora, Senior Air Quality Engineer, who gave the staff presentation *Spare the Air, Cool the Climate – A Blueprint for Clean Air and Climate Protection in the Bay Area*, including: critical challenges; what is this plan; where do we want to be in 2050; how does this plan get us there; how does this plan address stationary sources; decreasing greenhouse gas (GHG) emissions - improve industrial efficiency and stop methane leaks; reducing criteria pollutants from large sources - refineries and others, and reduce PM; and lowering exposure

to toxics - include latest science, and focus on existing sources; implementation - 2017 and 2018 (rule development calendar.)

Public Comments:

Public comments were made by the following speakers: Jed Holtzman, 350 Bay Area; Bob Brown, Western States Petroleum Association; and Andres Soto, CBE.

Committee Comments:

The Committee and staff discussed how the State’s goals are more aggressive than federal climate policy, despite the challenges imposed by the federal government, and the need for collaborative action by multiple levels of government; commercial cooking as a source of Particulate Matter; potential timeline extensions needed to conduct Health Risk Assessments for (Draft) Rule 11-18, and how the District plans to measure the risk action level threshold of ten per million; the adoption schedule of the Clean Air Plan; the need for stakeholder participation upon the implementation of Draft Rule 11-18; and the District’s appreciation for both the compliance of industry and the public’s support of aggressive regulation goals.

Committee Action:

None; receive and file.

**6. COMMITTEE MEMBER COMMENTS**

None.

**7. TIME AND PLACE OF NEXT MEETING**

Monday, April 17, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 10:30 a.m.

**8. ADJOURNMENT**

The meeting adjourned at 11:17 a.m.

Marcy Hiratzka  
Clerk of the Boards



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson John Gioia and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/Air Pollution Control Officer

Date: April 13, 2017

Re: Update on Draft Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions  
at Existing Facilities

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

The Air District implements several programs that are designed to identify and reduce public exposure to toxic air contaminants (TACs). Staff is proposing Regulation 11, Rule 18 (Rule 11-18) to address the public's exposure to health risks associated with the emissions of TACs at existing facilities by reducing those risks to the lowest feasible levels.

**DISCUSSION**

Proposed Rule 11-18 is a groundbreaking, air quality measure that further protects the health of Bay Area residents and communities. If adopted, this new regulation will impose some of the most stringent limits on toxic air contaminant emissions from stationary sources in the state and nation. This regulation proposes to incorporate new health protective standards from toxic air contaminants into the Air District's permitting program, that will be based on the most advanced science available. This rule would directly limit the risk from stationary sources in communities by requiring these facilities to meet a 10 in a million risk management standard. Facilities above this health risk action threshold would then be required to reduce their emissions by either process modification or the installation of emissions controls.

Each facility subject to this regulation is required to file a risk reduction plan with the Air District to demonstrate how it reduce risk below the specified risk action threshold. If the facility cannot devise a means to fully reduce its risk below the threshold, it would still be required to install best available retrofit control technology for toxic pollutants (TBARCT) on significant sources of emissions at the facility.

Staff will provide an update on the status of proposed Rule 11-18, including a summary of comments from public workshops and technical working groups with various industry groups.

BUDGET CONSIDERATION/FINANCIAL IMPACT

Staff anticipate the need to perform approximately 500 additional facility-wide Health Risk Assessments and review Risk Reduction Plans over the next 5 years. At the Board's direction, staff has requested \$1.2 million in the FYE 2018 budget to hire consultants to aid in executing the HRAs to accelerate the work. Staff has proposed additional fees for the regulated community for conducting the Health Risk Assessments and reviewing the Risk Reduction Plans to fully recover the costs associated with implementation of the rule.

Jack P. Broadbent

Executive Officer/APCO

Prepared by: Jaime Williams

Reviewed by: Damian Breen

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson John Gioia and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: April 6, 2017

Re: Update on Regulation 6: Particulate Matter Rule Development

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

Particulate matter (PM), especially PM that is 2.5 microns or less in diameter (PM<sub>2.5</sub>), causes or contributes to a wide variety of serious health problems, including asthma, bronchitis, cardiovascular diseases, and cancer. The Bay Area is not yet in attainment of state standards for PM that is 10 microns or less in diameter (PM<sub>10</sub>), or federal standards for PM<sub>2.5</sub>. As a result, the region must implement all feasible measures to reduce PM emissions. As included in the Air District's 2010 Clean Air Plan and draft 2017 Clean Air Plan, the Air District is considering amendments to Regulation 6, Rule 1: General Requirements (Rule 6-1) in addition to considering new rules under Regulation 6 that address different types of PM emissions.

**DISCUSSION**

The Air District's Board of Directors committed to review Regulation 6, Rule 1: General Requirements, identified as Stationary Source Measure SSM-6 in the Air District's 2010 Clean Air Plan and SS31 in the draft 2017 Clean Air Plan. Air District staff further committed to taking additional steps to address the Bay Area's particulate matter challenges in a November 2012 report entitled *Understanding Particulate Matter: Protecting Public Health in the San Francisco Bay Area*. These draft amendments to Regulation 6, Rule 1 are the next of many steps needed to reduce particulate matter emissions and improve public health.

Draft amendments to Rule 6-1 include:

- Clarify exemptions for PM from operations covered by other existing Air District rules, and for sugar and salt manufacturing,
- Update PM emissions limits from general sources (both concentration and mass emission limits) to reflect the most stringent levels achievable, and
- Clarify testing requirements to determine compliance.

These amendments are proposed to ensure the Bay Area requirements are health-protective and are at least as stringent as other California air districts. Control technology is available that facilities can use to comply at a reasonable cost; and the revised requirements will obtain PM<sub>2.5</sub> reductions that will help the Air District achieve its health-based PM<sub>2.5</sub> goals.

Background work and analysis done during the development of amendments to Rule 6-1 provided the foundation for the Air District's efforts to further reduce public exposure to unhealthy levels of PM and led to additional opportunities to reduce PM. These new draft rules are:

1. Regulation 6, Rule 6: Prohibition of Trackout:

- Applies to large bulk material and construction sites, and disturbed surfaces greater than 1 acre.
- Prohibits significant trackout of dirt and other solids onto adjacent roadways.
- Prohibits significant visible emissions from vehicle traffic over trackout that exceeds 10% opacity more than 3 minutes in any hour observation period.
- Trackout and visible emissions must be monitored every 4 hours and abated, as required.
- Cleanup of trackout must meet stringent visible emissions limits.
- No trackout can remain at the end of each workday.

2. Regulation 6, Rule 7: Roofing Asphalt:

- Requires low-fuming roofing asphalt, effective one year after rule adoption.

3. Regulation 6, Rule 8: Bulk Material Storage and Handling:

- Applies to bulk material sites with an Air District permit that produce, handle or use more than 10 tons per year of material, or store material more than 3 feet high.
- Prohibits significant visible emissions from any source or activity that exceeds 10% opacity more than 3 minutes in any hour observation period.
- Requires prevention and cleanup of material spills.
- Limits vehicle traffic to control dust.
- Trackout and visible emissions must be monitored every 4 hours and abated, as required.

In addition, staff is proposing a new Regulation 6: General Provisions, Definitions and Test Methods to provide consistent administrative, monitoring and recordkeeping requirements, definitions, and test methods across all Regulation 6, Particulate Matter rules.

The Air District conducted eight workshops in late January and early February (in conjunction with the 2017 Clean Air Plan Open Houses) to share details of the draft rules with the public and affected parties, and to seek input. The comment period closed on March 10, and staff is currently evaluating the input received.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Eric Stevenson  
Reviewed by: Jean Roggenkamp