



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE

COMMITTEE MEMBERS

LYNDA HOPKINS – CHAIR
JOHN J. BAUTERS
DAVINA HURT
NATE MILEY
ROB RENNIE

DAVID HAUBERT – VICE CHAIR
JOHN GIOIA
TYRONE JUE
KAREN MITCHOFF
MARK ROSS

THIS MEETING WILL BE CONDUCTED UNDER PROCEDURES AUTHORIZED BY ASSEMBLY BILL 361 (RIVAS 2021) ALLOWING REMOTE MEETINGS. THIS MEETING WILL BE ACCESSIBLE VIA WEBCAST, TELECONFERENCE, AND ZOOM. A ZOOM PANELIST LINK WILL BE SENT SEPARATELY TO COMMITTEE OR BOARD MEMBERS

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- **THE PUBLIC MAY PARTICIPATE REMOTELY VIA ZOOM AT THE FOLLOWING LINK OR BY PHONE**

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STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE MEETING AGENDA

MONDAY, SEPTEMBER 19, 2022

9:00 AM

1. **Call to Order - Roll Call**
2. **Pledge of Allegiance**
3. **Public Meeting Procedure**

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

This meeting will be webcast. To see the webcast, please visit www.baaqmd.gov/bodagendas at the time of the meeting. Closed captioning may contain errors and omissions and are not certified for their content or form.

***Public Comment on Agenda Items:** The public may comment on each item on the agenda as the item is taken up. Members of the public who wish to speak on matters on the agenda for the meeting, will have two minutes each to address the Committee. No speaker who has already spoken on that item will be entitled to speak to that item again.*

CONSENT CALENDAR (Item 4)

4. Approval of the Minutes of June 13, 2022

The Committee will consider approving the minutes of the Stationary Source & Climate Impacts Committee meeting of June 13, 2022.

PRESENTATION(S) (Items 5 - 6)

5. Draft Amendments to Regulation 8: Organic Compounds, Rule 8: Wastewater Collection and Separation Systems

This item is informational only, and will be presented by David Joe, Assistant Manager of the Rule Development Section.

6. Air Monitoring during Incidents: Limitations of Current Air District Programs

This item is informational only, and will be presented by Ranyee Chiang, Director of Meteorology and Measurement.

OTHER BUSINESS

7. Public Comment on Non-Agenda Matters

Pursuant to Government Code Section 54954.3

Members of the public who wish to speak on matters not on the agenda for the meeting, will have two minutes each to address the Committee.

8. Committee Member Comments

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, 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)

9. Time and Place of Next Meeting

Monday, October 17, 2022, at 9:00 a.m., via webcast, teleconference, or Zoom, pursuant to procedures in accordance with Assembly Bill 361 (Rivas 2021).

10. Adjournment

The Committee meeting shall be adjourned by the Chair.

CONTACT:

MANAGER, EXECUTIVE OPERATIONS
375 BEALE STREET, SAN FRANCISCO, CA 94105
vjohnson@baaqmd.gov

(415) 749-4941
FAX: (415) 928-8560
BAAQMD homepage:
www.baaqmd.gov

- 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 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 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, Suma Peesapati, at (415) 749-4967 or by email at speesapati@baaqmd.gov.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

375 BEALE STREET, SAN FRANCISCO, CA 94105

FOR QUESTIONS PLEASE CALL (415) 749-4941

EXECUTIVE OFFICE:

MONTHLY CALENDAR OF AIR DISTRICT MEETINGS

SEPTEMBER 2022

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Community Equity, Health and Justice Committee - CANCELLED	Thursday	15	9:30 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Stationary Source and Climate Impacts Committee	Monday	19	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Path to Clean Air Community Emissions Reduction Plan Steering Committee	Monday	19	5:30 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Meeting	Wednesday	21	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Administration Committee - CANCELLED	Wednesday	21	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Mobile Source and Climate Impacts Committee - CANCELLED	Thursday	22	9:30 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Budget and Finance Committee - CANCELLED	Wednesday	28	9:30 a.m.	Webcast only pursuant to Assembly Bill 361

OCTOBER 2022

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Legislative Committee	Monday	3	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Meeting	Wednesday	5	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Community Equity, Health and Justice Committee	Thursday	6	9:30 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Legislative Committee- CANCELLED AND RESCHEDULED TO MONDAY, OCTOBER 3, 2022 AT 1:00 P.M.	Monday	10	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Technology Implementation Office (TIO) Steering Committee	Friday	14	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Stationary Source and Climate Impacts Committee	Monday	17	9:00 a.m.	Webcast only pursuant to Assembly Bill 361

OCTOBER 2022

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Path to Clean Air Community Emissions Reduction Plan Steering Committee	Monday	17	5:30 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Meeting	Wednesday	19	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Administration Committee	Wednesday	19	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Budget and Finance Committee	Wednesday	26	9:30 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Mobile Source and Climate Impacts Committee	Thursday	27	9:30 a.m.	Webcast only pursuant to Assembly Bill 361

HL 9/12/22 – 8:45 a.m.

G/Board/Executive Office/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Memorandum

To: Chairperson Lynda Hopkins and Members
of the Stationary Source and Climate Impacts Committee

From: Sharon L. Landers
Interim Executive Officer/APCO

Date: September 19, 2022

Re: Approval of the Minutes of June 13, 2022

RECOMMENDED ACTION

Approve the attached draft minutes of the Stationary Source & Climate Impacts Committee (Committee) meeting of June 13, 2022.

BACKGROUND

None.

DISCUSSION

Attached for your review and approval are the draft minutes of the Stationary Source & Climate Impacts Committee (Committee) meeting of June 13, 2022.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Sharon L. Landers
Interim Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

ATTACHMENTS:

1. Draft Minutes of the Stationary Source and Climate Impacts Committee meeting of June 13, 2022

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105
(415) 749-5073

DRAFT MINUTES

Stationary Source and Climate Impacts Committee Meeting
Monday, June 13, 2022

This meeting was conducted under procedures in accordance with Assembly Bill 361. Members of the Committee participated by teleconference.

1. CALL TO ORDER – ROLL CALL

Stationary Source and Climate Impacts Committee (Committee) Vice Chairperson David Haubert called the meeting to order at 2:30 p.m.

Roll Call:

Present: Committee Vice Chairperson David Haubert; and Directors John J. Bauters, John Gioia, Davina Hurt, Tyrone Jue, Karen Mitchoff, Rob Rennie, and Mark Ross.

Absent: Committee Chairperson Lynda Hopkins; and Director Nate Miley.

2. PLEDGE OF ALLEGIANCE

3. PUBLIC MEETING PROCEDURE

4. APPROVAL OF THE MINUTES OF APRIL 18, 2022

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Hurt made a motion, seconded by Director Rennie, to **approve** the Minutes of April 18, 2022; and the motion carried by the following vote of the Committee:

AYES: Bauters, Gioia, Haubert, Hurt, Jue, Mitchoff, Rennie, Ross.
NOES: None.
ABSTAIN: None.
ABSENT: Hopkins, Miley.

5. MID-YEAR REVIEW OF THE 2022 REGULATORY AGENDA

Elizabeth Yura, Director of the Rules and Strategic Policy, gave the staff presentation *Mid-Year Review of the 2022 Regulatory Agenda*, including: outcome; outline; requested action; review of 2022 objectives; progress and proposed updates (prioritization framework; permitting regulations; finalize in-process rules; continue supporting the Richmond Area Path to Clean Air process; AB 617 expedited Best Available Retrofit Control Technology Implementation Schedule for Rules 9-13, 9-14, 8-5, 8-8, 8-15; begin whitepapers on additional sources from the AB 617 West Oakland Action Plan; select/begin work on “clean up” rule; new projects); and feedback requested/prompt.

Public Comments

Public comments were given by Jed Holtzman, San Francisco resident.

Committee Comments

The Committee and staff discussed whether the Air District plans to prioritize a whitepaper on toxic air contaminants at indirect sources of air pollution (specifically warehouses), and the litigation status of the South Coast Air Quality Management District’s Rule 2305 (Warehouse Indirect Source Rule); a request for a list of Air District regulations currently under development; and the number of facilities that would be affected by Air District regulations under development, and whether a facility’s ceasing of operations would prompt the Air District to abandon the corresponding rule development.

Committee Action

None; receive and file.

6. PUBLIC COMMENT ON NON-AGENDA MATTERS

Public comments were given by Daniel Drazen, Enchanted Rock.

7. COMMITTEE MEMBER COMMENTS

Director Mitchoff reminded staff that the tentative date of the Committee’s next meeting conflicts with the National Association of Counties Annual Conference. Director Bauters suggested that if a contingency of the committee will not be available, staff look for another date.

8. TIME AND PLACE OF NEXT MEETING

The date of the Committee’s next meeting was originally scheduled for Monday, July 18, 2022, at 9:00 a.m., but after the meeting adjourned, the next meeting was scheduled for Monday, September 19, 2022, at 9:00 a.m., via webcast, teleconference, or Zoom, pursuant to procedures in accordance with Assembly Bill 361 (Rivas 2021).

9. ADJOURNMENT

The meeting adjourned at 3:11 p.m.

Marcy Hiratzka
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Lynda Hopkins and Members
of the Stationary Source and Climate Impacts Committee

From: Sharon L. Landers
Interim Executive Officer/APCO

Date: September 19, 2022

Re: Draft Amendments to Regulation 8: Organic Compounds, Rule 8: Wastewater
Collection and Separation Systems

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

Air District staff is developing amendments to Regulation 8: Organic Compounds, Rule 8: Wastewater Collection and Separation Systems (Rule 8-8) to further address volatile organic compound and methane emissions (total organic compound emissions) from wastewater collection and separation systems at refineries in the Bay Area. Further reductions of total organic compounds are needed to ensure progress towards attainment of the ambient air quality standards, reduce climate pollutant emissions, and reduce public health impacts from toxic compounds and ozone exposure.

California Assembly Bill (AB) 617 requires each air district that is in nonattainment for one or more air pollutants to adopt an expedited schedule for implementation of Best Available Retrofit Control Technology (BARCT) by the earliest feasible date, but not later than December 31, 2023. In 2018, the Air District adopted the Expedited BARCT Implementation Schedule, which identified potential rule development projects to evaluate and implement BARCT at industrial sector facilities subject to California Greenhouse Gas Cap-and-Trade Requirements. As part of the Expedited BARCT Implementation Schedule, refinery wastewater treatment systems were identified as a potential source of substantial reductions of organic compound emissions, as well as toxic air contaminants such as benzene, toluene, ethylbenzene, and xylene. In addition, BARCT has not been evaluated for these sources since Rule 8-8 was last amended over 16 years ago. The purpose of this current effort is to further limit emissions of volatile organic compounds, toxic air contaminants, and methane (a potent greenhouse gas) from refinery wastewater treatment operations.

DISCUSSION

Air District staff conducted early stakeholder outreach on this rule development effort in a meeting of the Refinery Rules Technical Working Group in 2020. Staff also continued to evaluate emissions and potential emission reduction options from wastewater collection and separation systems as part of the Air District's internal Organics Emission Estimation Project. The knowledge assessment phase of that project was completed in March 2021, and staff found that studies using optical remote sensing suggest that measured total VOC emission rates may be significantly larger than the emission rates reported in recent refinery emission inventories. These high emissions are likely from secondary treatment systems (often referred to as the "backend" of the system) and can fluctuate and be highly episodic, which makes accurate measurement and characterization of emissions highly challenging. Based on the findings, further evaluation would be needed to improve estimations of emissions and better understand control potentials for these secondary treatment sources. Staff is currently working on identifying potential monitoring, sampling and modeling efforts to better characterize and quantify emissions from secondary treatment of refinery wastewater.

Based on the uncertainty of emissions estimates and emission reduction strategies related to the secondary treatment systems, staff has focused this rule development effort on the refinery wastewater collection and separation systems. Staff initiated additional stakeholder engagement with potentially affected facilities to ensure that the best available source information and emissions estimates are considered. Staff conducted meetings and submitted data requests to refineries in April 2022, with responses received by June 2022.

Staff is developing draft amendments to Rule 8-8 that would include:

- Improvements to Leak Detection and Repair (LDAR) Requirements:
 - Limit leak emissions of total organic compounds (methane and other organics) from wastewater collection and separation systems
 - Vapor tight emissions standard of 500 parts per million by volume
 - Strengthen monitoring protocol for repairing leak excesses
 - Expand reporting requirements for major leaks
- Modifications to Improve Enforceability:
 - Strengthen identification coding requirements for wastewater collection and separation components
- Prohibition of Discharges to Treatment System:
 - Prohibit discharge of free phase organic liquid streams into wastewater system
- Updates to Testing and Monitoring Methods:
 - Update requirements to reflect most updated technology and methods for total organics detection
- Expansion of Sampling and Monitoring Requirements:
 - Require sampling and monitoring to improve characterization of emissions related to secondary treatment systems

During the presentation to the Stationary Source and Climate Impacts Committee, staff will provide background information on refinery wastewater collection and treatment systems, discuss rule development efforts completed thus far, and present anticipated next steps.

Air District staff anticipate releasing draft amendments to Rule 8-8 and supporting materials for public review and comment in the fourth quarter of 2022. Air District staff will solicit comments on these materials and will consider all input received during the public comment period in the further development of these amendments.

Air District staff anticipates presenting proposed amendments to Rule 8-8 for consideration by the Air District Board of Directors at a Public Hearing in the second quarter of 2023.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Sharon L. Landers
Interim Executive Officer/APCO

Prepared by: Krishnan Balakrishnan / Robert Cave
Reviewed by: Victor Douglas / Elizabeth Yura

ATTACHMENTS:

None

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Lynda Hopkins and Members
of the Stationary Source and Climate Impacts Committee

From: Sharon L. Landers
Interim Executive Officer/APCO

Date: September 19, 2022

Re: Air Monitoring during Incidents: Limitations of Current Air District Programs

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

An incident is defined in Regulation 3 (Fees) as a “non-routine release of an air contaminant that may cause adverse health consequences, ... a public nuisance, or environmental damage.” When there is an incident (e.g. facility incident, odors, flaring, wildfire), the Air District often gets requests to conduct monitoring during and around the incident from community members. The Air District’s current measurement capabilities are mainly designed for other goals. The Air District does not have a comprehensive and dedicated incident monitoring program.

DISCUSSION

Through a series of presentations to the Stationary Source and Climate Impacts Committee, Air District staff will present on multiple topics to help the Board evaluate whether to prioritize incident monitoring, including relative to current regulatory requirements and commitments or other potential priorities. Possible goals for a potential program include addressing community concerns, providing real-time information to the public during an incident, addressing questions about short- and long-term health impacts, strengthening investigations and enforcement, and preventing incidents. The first (current) presentation will include general background on the challenges with incident monitoring, our current measurement capabilities, and why current capabilities are not well-suited for incidents. Future presentations will include examples of incident monitoring programs, steps to build such a program, resources needed, interagency coordination, and what goals can be achieved. Different monitoring approaches are better suited to each of these goals, and each have their own limitations in meeting concerns and expectations from community members.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Sharon L. Landers
Interim Executive Officer/APCO

Prepared by: Ranyee Chiang
Reviewed by: Greg Nudd

ATTACHMENTS:

None