



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
STATIONARY SOURCE COMMITTEE

COMMITTEE MEMBERS

JOHN BAUTERS - CHAIR
DAVID CANEPA
CAROLE GROOM
NATE MILEY
JIM SPERING

KAREN MITCHOFF – VICE CHAIR
JOHN GIOIA
TYRONE JUE
MARK ROSS
BRAD WAGENKNECHT

**THIS MEETING WILL BE CONDUCTED UNDER PROCEDURES AUTHORIZED BY
EXECUTIVE ORDER N-29-20 ISSUED BY
GOVERNOR GAVIN NEWSOM**

- **THE PUBLIC MAY OBSERVE THIS MEETING THROUGH THE WEBCAST BY
CLICKING THE LINK AVAILABLE ON THE AIR DISTRICT'S AGENDA
WEBPAGE AVAILABLE AT**

www.baaqmd.gov/bodagendas

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

<https://bayareametro.zoom.us/j/98445973285>

(669) 900-6833 or (408) 638-0968

WEBINAR ID: 984 4597 3285

- **THOSE PARTICIPATING BY PHONE WHO WOULD LIKE TO MAKE A
COMMENT CAN USE THE “RAISE HAND” FEATURE BY DIALING “*9”. IN
ORDER TO RECEIVE THE FULL ZOOM EXPERIENCE, PLEASE MAKE SURE
YOUR APPLICATION IS UP TO DATE**

- **COMMENTS MAY ALSO BE SUBMITTED VIA EMAIL AT**

Comments@baaqmd.gov

**THURSDAY
OCTOBER 1, 2020
9:30 A.M.**

AGENDA

1. CALL TO ORDER - ROLL CALL

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.

***Comment on Agenda Items:** The public may comment on each item on the agenda. Email Comments for items on the agenda must be submitted to Comments@baaqmd.gov prior to the Committee taking up the particular item and indicate the agenda item to which the comment relates. Emailed comments will be considered as the agenda item is taken up by the Committee. Emailed comments containing 250 words or less will be read aloud by staff. Emailed comments exceeding 250 words may be summarized during the meeting, if feasible. Comments may also be made during the teleconference. Instructions will be provided at the start of the meeting.*

Staff/Phone (415) 749-

2. APPROVAL OF THE MINUTES OF JULY 29, 2020

Clerk of the Boards/5073

The Committee will consider approving the draft minutes of the Stationary Source Committee meeting of July 29, 2020.

3. UPDATE ON THE DEVELOPMENT OF AMENDMENTS TO REGULATION 6, RULE 5 (RULE 6-5): PARTICULATE EMISSIONS FROM PETROLEUM REFINERY FLUIDIZED CATALYTIC CRACKING UNITS

**J. Broadbent/5052
jbroadbent@baaqmd.gov**

The Committee will receive an update on Rule 6-5, Particulate Emissions from Petroleum Refinery Fluidized Catalytic Cracking Units.

4. **PUBLIC COMMENT ON NON-AGENDA MATTERS**

Emailed comments indicating the comment pertains to non-agenda matters will be considered under this item. Emailed comments containing 250 words or less will be read aloud by staff. Emailed comments exceeding 250 words may be summarized during the meeting, if feasible. Comments may also be made during the teleconference. Instructions will be provided at the start of the meeting.

5. **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)

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

Thursday, December 17, 2020 at 9:30 a.m., via webcast, pursuant to procedures authorized by Executive Order N-29-20 issued by Governor Gavin Newsom.

7. **ADJOURNMENT**

The Committee meeting shall be adjourned by the Committee 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 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, Rex Sanders, at (415) 749-4951 or by email at rsanders@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 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Mobile Source Committee	Thursday	24	11:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Climate Protection Committee	Wednesday	30	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Legislative Committee	Wednesday	30	11:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Budget & Finance Committee	Wednesday	30	1:30 p.m.	Webcast only pursuant to Executive Order N-29-20

OCTOBER 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Stationary Source Committee	Thursday	1	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Personnel Committee	Monday	5	9:00 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Regular Meeting	Wednesday	7	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Advisory Council Meeting	Friday	9	9:00 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Mobile Source Committee	Monday	19	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Regular Meeting or Executive Committee	Wednesday	21	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Budget & Finance Committee - CANCELLED	Thursday	22	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Mobile Source Committee – CANCELLED AND RESCHEDULED TO MONDAY, OCTOBER 19, 2020 AT 9:30 A.M.	Thursday	22	11:30 a.m.	Webcast only pursuant to Executive Order N-29-20

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

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

From: Jack P. Broadbent
Executive Officer/APCO

Date: September 22, 2020

Re: Approval of the Minutes of July 29, 2020

RECOMMENDED ACTION

Approve the attached draft minutes of the Stationary Source Committee (Committee) meeting of July 29, 2020.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of July 29, 2020.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

Attachment 2A: Draft Minutes of the Committee Meeting of July 29, 2020

AGENDA: 2A – ATTACHMENT

Draft Minutes – Stationary Source Committee Meeting of July 29, 2020

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
Wednesday, July 29, 2020

This meeting was conducted under procedures authorized by executive order N-29-20 issued by Governor Gavin Newsom. Members of the committee participated by teleconference.

1. CALL TO ORDER – ROLL CALL

Stationary Source Committee (Committee) Chairperson John Bauters called the meeting to order at 9:32 a.m.

Present: Committee Chairperson John Bauters; Vice Chairperson Karen Mitchoff; and Directors David Canepa, John Gioia, Carole Groom, Tyrone Jue, Nate Miley, Mark Ross, Jim Sperring, and Brad Wagenknecht.

Absent: None.

Also Present: Board Chairperson Rod Sinks.

2. APPROVAL OF THE MINUTES OF JUNE 17, 2020

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Sperring made a motion, seconded by Vice Chair Mitchoff, to approve the Minutes of June 17, 2020; and the motion carried by the following vote of the Committee:

AYES: Bauters, Canepa, Gioia, Groom, Jue, Mitchoff, Ross, Sinks, Sperring.
NOES: None.
ABSTAIN: None.
ABSENT: Miley, Wagenknecht.

3. UPDATE ON THE DEVELOPMENT OF DRAFT AMENDMENTS TO REGULATION 6, RULE 5 (RULE 6-5): PARTICULATE EMISSIONS FROM PETROLEUM REFINERY FLUIDIZED CATALYTIC CRACKING UNITS (FCCU)

Greg Nudd, Deputy Air Pollution Control Officer of Policy, introduced David Joe, Assistant Rule Development Manager, who gave the staff presentation *Update on the Development of Amendments to Rule 6-5*, including: outline; overview and background; draft amendments to Rule 6-5; other potential control options and impacts; next steps.

Mr. Nudd then introduced Dr. Phil Martien, Director of Assessment, Inventory, and Modeling, who gave the staff presentation *Fine Particulate Matter (PM)_{2.5} Concentrations Impacts from a Bay Area Petroleum Refinery*, including: overview; first facility assessed - Chevron Richmond Refinery; modeling study (scope, two emissions scenarios, approach, key inputs); Chevron PM_{2.5} concentration impacts by area and by residents exposed; PM_{2.5} exposures by race/ethnicity; key findings (baseline scenario, equity, FCCU reductions); and next steps.

NOTED PRESENT: Directors Miley and Wagenknecht were noted present at 9:45 a.m.

Public Comments

Public comments were given by Kathy Kerridge, Benicians for a Safe and Healthy Community; Ann Vorderbrueggen, PBF Energy; Bob Brown, Western States Petroleum Association; Kevin Olson, Chevron; Jed Holtzman, 350 Bay Area; Sharon Shearer, PBF Energy; Tyler Earl, Communities for a Better Environment (CBE); Stephen Rosenblum, Palo Alto resident; Ladonna Williams, All Positives Possible; Daniel Sakaguchi, CBE; Marilyn Bardet, Benicia resident; Greg Karras, Community Energy reSource; Shawn Lee, Chevron; Todd Osterberg, Chevron; Christopher Palacio, United Steelworkers; Steve Nadel, Sunflower Alliance; Miguel Diaz, Richmond High School; Todd (last name unknown); Halimah (last name unknown), CBE; Janet Johnson, Sunflower Alliance; Ruby Saterfield, CBE; Janet Callahan, Rodeo Citizens Association; Chris McDowell, Marathon Petroleum Corporation; Ken Szutu, Vallejo Citizen Air Monitoring Network; Andres Soto, CBE; Janet Pygeorge, Rodeo Citizens Association; Charles Davidson, Hercules resident; Marilyn Sargent; Dr. Kathleen McAfee, San Francisco State University; Dr. Sybil Diver, Stanford University; and Pat Toth-Smith, Benicia resident.

Committee Comments

The Committee and staff discussed Chevron's perceptions about the Air District engagement with affected entities regarding amendments to Rule 6-5, and the status of process-optimization at the Chevron refinery in Richmond; potential impacts on water usage identified in the Environmental Impact Report for the Assembly Bill (AB) 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation schedule, acceptable types of water that can be used at refineries for wet gas scrubbing technology, and how to resource the water necessary; the fact that the expedited schedule for implementation of Best Available Retrofit Control Technology (BARCT) for industrial sources subject to the California's Cap-And-Trade requirements, per AB 617, requires the consideration of local public health and clean air benefits to the surrounding community; whether the Air District plans to conduct a mortality risk analysis and plume analysis for PM₁₀ and _{2.5} emissions at all Bay Area refineries; the comparison of test methodologies of condensable versus filterable PM; condensable PM test methodologies, whether the Air District has condensable PM data from existing facilities within the Bay Area and South Coast Air Quality Management Districts' jurisdictions; why the Air District is proposing the limit on total PM₁₀ of 0.020 gr/dscf; the range of emissions performance for, and cost

effectiveness of, wet gas scrubbers at Bay Area refineries; the suggestion that the Air District conducts a risk analysis of Bay Area refinery explosions (electrostatic precipitators); when the Committee will receive an update on the progress of the health benefit analysis of this rule amendment; caution about making general statements regarding PM_{2.5} exposure by race, as such statements may not accurately reflect all situations; whether the Air District will estimate the cost impacts to the end consumer at the pump in the amended rule's socioeconomic review; when dispersion modeling, similar to that which was conducted for Chevron, will be completed for large PM sources at other Bay Area refineries; concerns that compliance costs for the refineries are inaccurate, and that the socioeconomic report will be inaccurate as a result; whether the Air District will offer refineries a compliance deadline extension; the request that the Air District obtains the most current and accurate baseline PM data for each Bay Area refinery; whether reductions in asthma and cancer deaths can be estimated based on the newly proposed limits on total PM₁₀; whether legislative authority needs to be sought by the Air District to fully weigh health costs; and the need to prioritize the analysis of socioeconomic impacts on health.

Committee Action

None; receive and file.

4. PUBLIC COMMENT ON NON-AGENDA MATTERS

Public comments were given by Jan Warren, Interfaith Climate Action Network of Contra Costa County.

5. COMMITTEE MEMBER COMMENTS

Director Groom thanked Chair Bauters for a well-run meeting.

6. TIME AND PLACE OF NEXT MEETING

At the conclusion of the meeting, it was announced that the next meeting was scheduled for Thursday, October 15, 2020, but after the meeting adjourned, the next meeting was scheduled for Thursday, October 1, 2020, at 9:30 a.m., via webcast, pursuant to procedures authorized by Executive Order N-29-20 issued by Governor Gavin Newsom.

7. ADJOURNMENT

The meeting adjourned at 1:01 p.m.

Marcy Hiratzka
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

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

From: Jack P. Broadbent
Executive Officer/APCO

Date: September 22, 2020

Re: Update on the Development of Amendments to Regulation 6, Rule 5 (Rule 6-5):
Particulate Emissions from Petroleum Refinery Fluidized Catalytic Cracking Units

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

California Assembly Bill 617 (AB 617) directed local air districts to adopt an expedited schedule for implementation of Best Available Retrofit Control Technology (BARCT) at industrial Cap-and-Trade sources. The AB 617 Expedited BARCT Implementation Schedule was adopted by the Air District Board of Directors in December 2018 and identified several potential rule development efforts to further reduce emissions of criteria pollutants at these sources.

Air District staff is developing amendments to Rule 6-5 to address emissions of particulate matter, including condensable particulate matter, from petroleum refinery fluidized catalytic cracking units. Petroleum refinery fluidized catalytic cracking units (FCCUs) are some of the largest individual sources of particulate matter (PM) emissions in the San Francisco Bay Area, and further reductions of these emissions are needed to ensure progress towards attainment of state and national ambient air quality standards and to achieve further clean air and public health benefits.

DISCUSSION

Air District staff released draft amendments to Rule 6-5 and an Initial Staff Report in May 2020 for public review and comment. The draft amendments include new and modified limits on ammonia and sulfur dioxide, which can contribute to the formation of particulate matter. The draft amendments also include a limit on total PM₁₀, which includes both filterable and condensable particulate matter. Staff has received public comments on the draft amendment materials for consideration and continues to engage with stakeholders and interested parties in the further development of these amendments. Staff anticipates presenting proposed amendments for the Board of Directors consideration in the fourth quarter of 2020 or first quarter of 2021.

Air District staff presented updates on the development of amendments to Rule 6-5 to the Stationary Source Committee on June 17, 2020. Air District staff presented additional information on the draft amendments and more stringent potential control options to the Stationary Source Committee on July 29, 2020, along with preliminary results of dispersion modeling on the impacts of large PM sources. Staff will provide further information regarding the potential impacts of the draft amendments and other potential control options, including updates on estimates of compliance costs, emissions impacts, socioeconomic impacts, and other environmental considerations. These estimates may continue to be refined as the rule development process moves forward and as additional information becomes available.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: David Joe
Reviewed by: Elizabeth Yura