air pollution control district
SANTA BARBARA COUNTY

AGENDA

March 16, 2023

1:00 P.M.

BOARD OF SUPERVISORS HEARING ROOM
COUNTY ADMINISTRATION BUILDING
105 EAST ANAPAMU STREET
SANTA BARBARA, CA

Board of Directors

Web streaming of the of the APCD Board meetings, Agendas, Supplemental Materials, and Minutes of the APCD are available on the internet at: www.ourair.org/apcd-board-of-directors-agenda.

You may observe the live stream of the APCD Board meetings in the following ways:

- Televised on the County of Santa Barbara Television (CSBTV) local cable channel 20;
- Online at: http://sbcounty.granicus.com/player/camera/4?publish_id=35&redirect=true
- YouTube at: <https://www.youtube.com/user/CSBTV20>; and,
- Zoom at: https://us02web.zoom.us/j/82155410988?pwd=RFZNajMrNFRheXVmK0l4clhkdC9QZz09
  Password: 388741

Persons may address the Board of Directors on any matter listed on the agenda. Matters not listed on the agenda may be addressed during the public comment period. Comments timely received on an agenda item will be placed into the record and distributed accordingly. If you wish or anticipate a desire to speak during the APCD Board of Directors Meeting, the following methods are available:

- **In-Person Santa Barbara Location. County Administration Building, Board Hearing Room, Fourth Floor, 105 East Anapamu Street.**
  Members of the public may address the Board on any matter listed on the agenda by completing and delivering a speaker slip to the Clerk before the item is considered.

- **In-Person Santa Maria Remote Testimony, Betteravia Government Center, Board Hearing Room, 511 East Lakeside Parkway, Santa Maria, CA.**
  Members of the public may make a general public comment in-person by using the remote video testimony system located at the Santa Barbara County Board of Supervisors Hearing Room in Santa Maria.

- **In-Person Pacific Grove Remote Testimony, Asilomar Conference Grounds, Social Hall, 800 Asilomar Avenue, Pacific Grove, CA.**
  Members of the public may make a general public comment in-person by using the remote video testimony system located at the Asilomar Conference Grounds' Social Hall room in Pacific Grove.

- **By Zoom**. Individuals wishing to view and provide public comment during the Board meeting through the Zoom application may join by clicking this link at the appointed time:
  https://us02web.zoom.us/j/82155410988?pwd=RFZNajMrNFRheXVmK0l4clhkdC9QZz09
  Password: 388741

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Members of the public wishing to be called on for public comment should click on the "Raise Hand" button on Zoom when the item they wish to speak on has begun. When the Chair calls for public comment, the Clerk will announce you and will unmute your microphone. Comments from the public are limited to 3 minutes per speaker. The public will not be able to share their video or screen.

- **Telephone.** Individuals wishing to give public comment via phone are asked to call the number below at least 10 minutes prior to the start of the meeting at 12:50 pm.
  Dial-In: +1 (408) 638-0968 or +1 (669) 900-6833
  Webinar ID: 821 5541 0988
  Passcode: 388741

- **Distribution to the Board.** Submit comments no later than 5:00 p.m. on Wednesday, March 15, 2023 via email to las@sbcapcd.org, or mail to APCD Clerk of the Board at 260 North San Antonio Road, Suite A, Santa Barbara, to the Clerk CA 93110. Your comment will be placed into the record and distributed appropriately.

The times shown for the duration of agenda items are estimates. Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the Board Clerk to all or a majority of the members of the District Board less than 72 hours prior to that meeting are available for inspection on the District website. In compliance with the Americans with Disabilities Act, individuals needing special accommodations to participate in the meeting should contact the APCD Clerk of the Board at least three working days prior to the scheduled meeting.

A. CALL TO ORDER – ROLL CALL

B. PLEDGE OF ALLEGIANCE

C. APPROVAL OF MINUTES

Approve minutes of the January 19, 2023 meeting.

D. ADMINISTRATIVE ITEMS

Approved by vote on one motion. These items read only on request of Board members.

D-1) Update on Public Outreach Activities

Receive and file an update on District outreach activities.

D-2) District Grant and Incentives Program Activity

Receive and file the following grant program related activity:

1. **An update on the Old Car Buy Back Program for vehicles retired during the period of January 1, 2023 through February 28, 2023; and**

2. **Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of August 1, 2022 through February 28, 2023; in accordance with Board Resolution Number 20-13.**

D-3) Notice of Violation Report

Receive and file the summary of notices of violation issued and penalty revenue received during the months of January and February 2023.

D-4) Modifications to Classification Specifications

Adopt revised class specifications for the following: Accounting Technician I/II/III, Air Permit Technician I/II, Air Quality Specialist I/II/III, Air Quality Engineer I/II/III, Executive Assistant/Board Clerk, and Human Resources Analyst I/II.

D-5) Minutes of the October 13, 2022, November 10, 2022, December 8, 2022, January 6, 2023, and February 2, 2023 Special Meetings of the Community Advisory Council

Receive and file minutes of the October 13, 2022, November 10, 2022, December 8, 2022, January 6, 2023, and February 2, 2023 Special Meetings of the Community Advisory Council.

E. DIRECTOR'S REPORT
(EST. TIME: 10 Min.)

Receive brief oral report by the Air Pollution Control Officer. Report to include items such as: Achievements of District staff, upcoming events of interest to the Board of Directors and the public, general status of District programs, state and federal activities and legislation, updates on air quality, updates from the California Air Pollution Control Officers Association (CAPCOA). There will be no Board discussion except to ask questions or refer matters to staff; and no action will be taken unless listed on a subsequent agenda.

F. PUBLIC COMMENT PERIOD

The Public Comment Period is reserved for persons desiring to address the APCD Board on any subject within the jurisdiction of the Board that is not included as part of the agenda. Comments shall be limited to fifteen minutes, divided among those desiring to speak, but no person shall speak longer than three minutes.

G. DISCUSSION ITEMS

G-1) Status Update on Construction and Remodel of the District's North County Office Building
(EST. TIME: 10 Min.)

Receive and file an update on the construction and remodel of the District's north county office building located at 1011 West McCoy, Santa Maria, CA 93455.

G-2) Determine that Amended Rule 333 – Reciprocating Internal Combustion Engines is No Longer Necessary to Satisfy Assembly Bill 617 Requirements
(EST. TIME: 20 Min.)

Consider recommendations as follows:

1. **Receive and file a report regarding Best Available Retrofit Control Technology (BARCT) for reciprocating internal combustion engines at Assembly Bill 617 Industrial Facilities; and**

2. **Adopt a resolution determining that amendments to District Rule 333 are no longer necessary to implement BARCT for reciprocating internal combustion engines because the affected Assembly Bill 617 Industrial Facility has requested changes to their District Permit to Operate to directly implement BARCT no later than December 31, 2023.**

G-3) District Permitting Program
(EST. TIME: 15 Min.)

Receive and file a presentation from District staff on the District's permitting program.

H. ANNOUNCEMENTS

This meeting will be rebroadcast on Sunday March 19, 2023, at 5:00 p.m. on County of Santa Barbara TV Channel 20.

I. ADJOURN

The Santa Barbara County Air Pollution Control District Board is adjourned to 1:00 p.m. on May 18, 2023.

air pollution control district
SANTA BARBARA COUNTY

ACTION SUMMARY

(Unofficial)

Board of Directors

January 19, 2023

1:00 P.M.

BOARD OF SUPERVISORS HEARING ROOM
COUNTY ADMINISTRATION BUILDING
105 EAST ANAPAMU STREET
SANTA BARBARA, CA

A. CALL TO ORDER – ROLL CALL

Chair Hartmann called the meeting to order at 1:02 p.m.

Present: 11 - Williams (arrived at approx. 1:05 pm), Capps, Hartmann, Lavagnino, King, Clark (arrived at approx. 1:19 pm), Perotte, Osborne (arrived at approx. 1:21), Friedman, Patino, Infanti.
Absent: 2 - Nelson, Julian.

B. PLEDGE OF ALLEGIANCE

C. RECONSIDER THE CIRCUMSTANCES OF THE COVID-19 STATE OF EMERGENCY

1. **Reconsider the circumstances of the COVID-19 state of emergency;**
2. **Consider whether state or local officials continue to impose or recommend measures to promote social distancing;**
3. **Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and**
4. **Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).**

A motion was made by Board member Williams, seconded by Board member Patino, that the Board has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

Ayes: 9 - Williams, Capps, Hartmann, Lavagnino, King, Perotte, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 4 - Nelson, Clark, Julian, Osborne.

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D. ELECTION OF CHAIR AND VICE-CHAIR FOR 2023

A motion was made by Board member Williams, seconded by Board member King to elect Alice Patino as Chair and Laura Capps as Vice-Chair for 2023. The motion carried by the following vote:

Ayes:	9 -	Williams, Capps, Hartmann, Lavagnino, King, Perotte, Friedman, Patino, Infanti.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	4 -	Nelson, Clark, Julian, Osborne.

Chair Patino assumed the gavel and presided over the remainder of the meeting.

E. CLOSED SESSION – Convened from 1:10 p.m. to 1:44 p.m.

Following closed session, Counsel will report, orally, or in writing, any action taken in closed session and the vote or abstention thereon, as required by Government Code § 54957.1(a). Documents that are finally approved or adopted in the closed session will be provided upon request as required by Government Code § 54957.1(b).

E-1) Conference with Labor Negotiators (Gov. Code § 54957.6(a).)

Unrepresented Employee: Air Pollution Control Officer.
Agency-designated Representative: Jennifer Richardson, District Counsel

Directors Clark and Osborne arrived at this time.

Jenna Richardson, District Counsel, announced that there was no reportable action taken in Closed Session.

F. APPROVAL OF MINUTES

Approve minutes of the December 15, 2022 regular meeting and January 9, 2023 special meeting.

A motion was made by Board member Capps, seconded by Board member Hartmann that the minutes of the December 15, 2022 regular meeting and minutes of the January 9, 2023 special meeting be approved. The motion carried by the following vote:

Ayes:	11 -	Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	2 -	Nelson, Julian.

G. ADMINISTRATIVE ITEMS

Approved by vote on one motion. These items read only on request of Board members.

Pursuant to Board member Lavagnino's request, item G-5 was pulled for discussion and then voted on separately.

G-1) Update on Public Outreach Activities

Receive and file an update on District outreach activities.

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes:	11 -	Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.

Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

G-2) District Grant and Incentives Program Activity

Receive and file an update on the Old Car Buy Back Program for vehicles retired during the period of December 1, 2022 through December 31, 2022.

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes: 11 - Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

G-3) Notice of Violation Report

Receive and file the summary of notices of violation issued and penalty revenue received during the month of December 2022.

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes: 11 - Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

G-4) Employee Insurance Plans and Programs

Receive and file summary and rates of the employee insurance plans and programs for 2023.

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes: 11 - Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

G-5) Consideration of Salary Merit Increase for Air Pollution Control Officer Aeron Arlin Genet

Consider approval of a salary merit increase for Air Pollution Control Officer Aeron Arlin Genet. For purposes of discussion, the Board letter proposes a 3 percent salary merit increase.

A motion was made by Board member Lavagnino, seconded by Board member King that the Board approve a 1.5% salary merit increase. The motion carried by the following vote:

Ayes: 10 - Williams, Capps, Hartmann, Lavagnino, King, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 1 - Clark.

Absent: 2 - Nelson, Julian.

G-6) APCD Fiscal Year 2021-22 Financial Audit

Receive and file the following:

1. **Fiscal Year 2021-22 APCD Annual Comprehensive Financial Report (ACFR), also containing the Independent Auditor's Report;**

2. **The Independent Auditor's Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with Government Auditing Standards; and**

3. **The Independent' Auditor's Report to the Board of Directors and Management.**

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes: 11 - Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

G-7) Report of Air Pollution Control Officer Signed Contract in 2022

Receive and file a report of certain specified legal contracts, not exceeding $3,500 each, entered into or amended by the Air Pollution Control Officer during the calendar year 2022.

A motion was made by Board member Lavagnino, seconded by Board member King that this matter be received and filed. The motion carried by the following vote:

Ayes: 11 - Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 2 - Nelson, Julian.

H. DIRECTOR'S REPORT

Receive brief oral report by the Air Pollution Control Officer. Report to include items such as: Achievements of District staff, upcoming events of interest to the Board of Directors and the public, general status of District programs, state and federal activities and legislation, updates on air quality, and updates from the California Air Pollution Control Officers Association (CAPCOA). There will be no Board discussion except to ask questions or refer matters to staff; and no action will be taken unless listed on a subsequent agenda.

Received Director's Report.

I. PUBLIC COMMENT PERIOD

Persons desiring to address the APCD Board on any subject within the jurisdiction of the Board that is not included as part of the agenda must complete and deliver to the Clerk the "Request to Speak" form which is available at the Hearing Room entrance prior to the commencement of this comment period. Comments shall be limited to fifteen minutes, divided among those desiring to speak, but no person shall speak longer than three minutes.

There were no public comments.

J. DISCUSSION ITEMS

J-1) Appointment of APCD Executive Committee

Select three members of the Board to serve on the APCD Executive Committee during calendar year 2023.

A motion was made by Board member King, seconded by Board member Lavagnino for Board members Patino, Capps, and Hartmann to serve on the APCD Executive Committee for 2023. The motion carried by the following vote:

Ayes:	11 -	Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	2 -	Nelson, Julian.

J-2) Appointment of APCD Board Members to Basinwide Control Council

Appoint one Board member to serve as the primary representative and one Board member to serve as the alternate to the South Central Coast Basinwide Control Council during the calendar year 2023.

A motion was made by Board member King, seconded by Board member Lavagnino for Board member Perotte to remain as the primary member on the Basinwide Control Council and Board member Infanti to serves as the alternate for 2023. The motion carried by the following vote:

Ayes:	11 -	Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	2 -	Nelson, Julian.

J-3) Appointment of the APCD Hearing Board Nominating Committee

Select five members of the Board to serve on the APCD Hearing Board Nominating Committee during calendar year 2023.

A motion was made by Board member Infanti, seconded by Board member Hartmann for Board members Williams, Hartmann, Nelson, Perotte, and Patino to serve on the APCD Hearing Board Nominating Committee for 2023. The motion carried by the following vote:

Ayes:	11 -	Williams, Capps, Hartmann, Lavagnino, King, Clark, Perotte, Osborne, Friedman, Patino, Infanti.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	2 -	Nelson, Julian.

K. ANNOUNCEMENTS

This meeting will be rebroadcast on Sunday January 22, 2023, at 5:00 p.m. on County of Santa Barbara TV Channel 20.

L. ADJOURN

This meeting was adjourned at 2:16 p.m. to 1:00 p.m. on March 16, 2023.

apcd air pollution control district
SANTA BARBARA COUNTY

Agenda Item: D-1
Agenda Date: March 16, 2023
Agenda Placement: Admin
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Lyz Bantilan, Public Information Officer, (805) 979-8283

SUBJECT: Update on Public Outreach Activities

RECOMMENDATION:

Receive and file this update on District outreach activities.

BACKGROUND:

The District conducts public outreach throughout Santa Barbara County to provide air quality information. This regular agenda item will provide an update on recent outreach efforts by District staff since the previous Board meeting on January 19.

DISCUSSION:

The District uses a variety of methods to share information about air quality and District programs. Those methods include the District website, news releases, air quality alerts, social media (Twitter, Instagram, and Nextdoor), school and civic group presentations, interagency coalitions, events and festivals, media interviews, and phone calls with the public. Efforts are made to provide information in English and Spanish. For this recurring agenda item, outreach activities will be organized into the following categories as needed: Agency Awareness, Community Programs, and Interagency and Regulatory Support Efforts. This update covers outreach efforts from the docket deadline of the January meeting to present.

Aeron Arlin Genet, Air Pollution Control Officer
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Agency Awareness

- **Media Relations:** The District regularly receives questions from the media regarding specific District programs as well as general air quality topics. During this time period, media interest in the District included the following coverage:
    - Prescribed pile burns on USFS land: *Edhat, KEYT,* and *News-Press*
    - Assembly Bill 953 (Marine Shipping Program): *Santa Barbara Independent, Edhat, Daily Republic* (Bay Area), and *My Logistics Magazine*
    - Summerland Beach oil sheen: *Noozhawk, KEYT,* and *KSBY*

- **E-newsletter:** The District issued a bilingual e-newsletter earlier this month to approximately 1,800 subscribers. People can sign up to receive future news and alerts on the District website: www.OurAir.org/subscribe. Articles in the March edition covered the following topics:
    - Our agency's 2023 goals and priorities, plus some 2022 highlights
    - An introduction to our Planning, Compliance, and Outreach interns
    - A recap of the October, December, and January Board of Directors meetings
    - Reminder about the District's new phone numbers

Community Programs

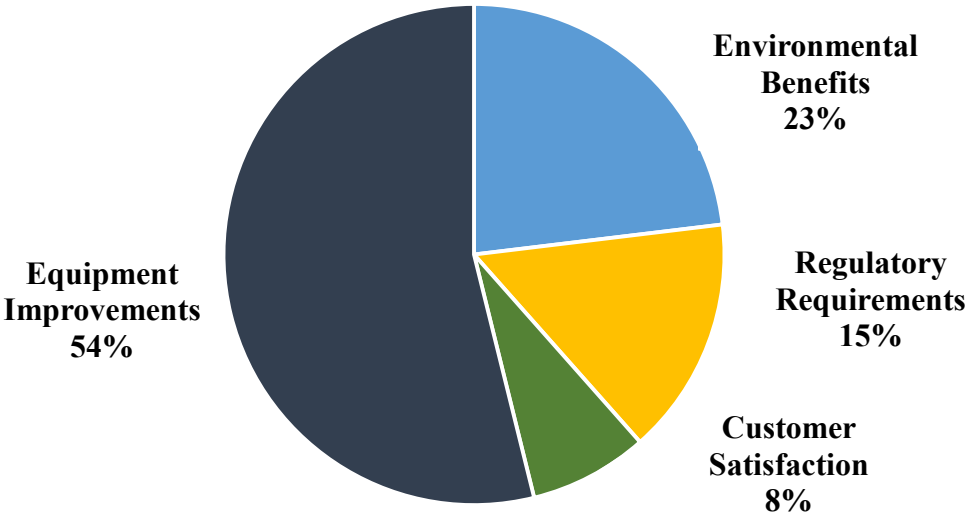
- **Clean Air Grants 2021 Survey Responses Summary**: The District surveyed participants of the 2021 Clean Air Grants program to receive feedback on their experience with the new, cleaner equipment, and how the grant process can be improved.
    - Seventeen percent of applicants (13 out of 77 applicants) responded to the survey; respondents were from the off-road (respondents from 10 of these projects), infrastructure (respondents from 2 of these projects), and marine engine (respondent from one of these projects) categories.
    - Overall, participants are satisfied with their new equipment, giving an average score of 4.4 on a scale of 1 to 5, with 5 being the highest rating.
    - Figure 1 displays reported benefits and challenges of using the new equipment. Participants are experiencing benefits such as having fewer breakdowns and lower maintenance costs. Some common challenges are related to charging issues and employees adapting to the new equipment.
    - The survey asked applicants about what motivated them to apply to the program (Figure 2). The main motivation for most surveyed participants (54%) is to improve and upgrade their equipment. Other motivators include helping the environment (23%), getting ahead of regulatory requirements (15%), and improving customer satisfaction (8%).
    - The survey respondents also provided helpful feedback on program improvements, including allowing more time for the application process and providing training resources for staff to learn how to use the new equipment.
    - Overall, 92% of the respondents said they would participate in the Clean Air Grants program again.

Figure 1: Applicant Benefits and Challenges of Using New Equipment

Benefits/Challenges

"Lower maintenance costs	Getting employees adapted
Increased customers	Need permanent charging infrastructure
Less downtime	ChargePoint issues
No breakdowns	Chargers are slower
Residents benefit from free charging	Battery size isn't suitable for all day charging
Higher efficiencies	Teaching operators how to care for equipment"

Figure 2: Applicant Motivation for Participating in Program



Interagency and Regulatory Support Efforts

- **Prescribed Burns:** During this period, District staff continued to coordinate with the Los Padres National Forest fire crew on prescribed pile burns on various remote forest sites, scheduled to occur through the spring during favorable conditions. For prescribed burns, the District works with fire partners to complete a two-step public notification process: 1) a news release is issued once the burn window is identified, and 2) a follow-up media advisory is issued the day before or morning of the selected burn day. (For the prescribed pile burns on forest land, the District coordinates with the fire crew to issue a media advisory each week that burning will occur.) The District also posts information about all burns on our social media accounts and sends a text alert to subscribers the day before burning starts. As needed, portable air quality monitors are installed nearby to monitor for any smoke impacts to surrounding areas.

FISCAL IMPACT:

The costs for the outreach efforts and activities described above are included in the budget approved by your Board. There are no additional fiscal impacts.

Agenda Item: D-2
Agenda Date: March 16, 2023
Agenda Placement: Admin
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Lorena Saldana, Executive Assistant/Board Clerk, (805) 979-8282

SUBJECT: District Grant and Incentives Program Activity

RECOMMENDATION:

Receive and file the following:

1. An update on the Old Car Buy Back Program for vehicles retired during the period of January 1, 2023 through February 28, 2023; and

2. Summary of the emission-reduction grant agreement approved by the Air Pollution Control Officer for the period of August 1, 2022 through February 28, 2023 in accordance with Board Resolution Number 20-13.

DISCUSSION:

This item provides an update on grant programs and the activity that has occurred since your last Board meeting. The grant fund allocation reports for the District's Old Car Buy Back Program identify vehicles retired, funding allocation to date, emissions reduced, cost-effectiveness of program, and project location.

The District's 2022 Clean Air Grants Program opened to receive grant applications on July 25, 2022 and closed on August 31, 2022. The District received 95 applications which have been reviewed for completeness, ranked, and are now in the process of grant agreement implementation. The 2022 Clean Air Grants Program has a budget of approximately $3.8 million of California Air Resources Board funds (i.e., Carl Moyer Program, Community Air Protection Program, and FARMER Program). Eligible project categories include off-road equipment, on-road vehicles, school buses, agricultural engines, marine engines, and alternative fueling infrastructure. The funds will be prioritized for projects that implement zero or near-zero emission technology along with projects located within disadvantaged or low-income communities as defined by this map: https://webmaps.arb.ca.gov/PriorityPopulations/. As of February 28, 2023, thirty-one percent

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(approximately $1.1 million) of the total 2022 Clean Air Grant Program funds have been awarded and are in the attached grant agreement approval forms - the remaining grant contracts are being processed.

ATTACHMENTS:

A. Old Car Buy Back Program Update
B. Grant Agreement Approval Forms

ATTACHMENT A

Old Car Buy Back Program Update

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

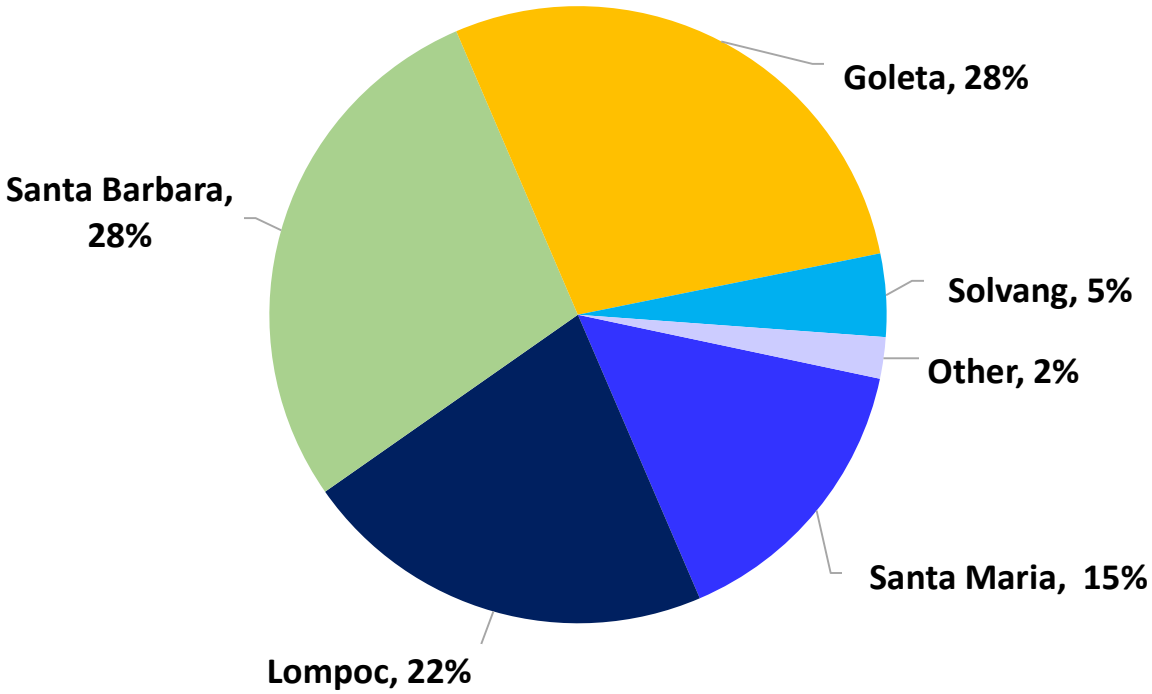
Old Car Buy Back Program Update

The District's Old Car Buy Back Program currently pays Santa Barbara County vehicle owners $1,000 to voluntarily retire their fully legal and operational 1997 or older, light or medium duty car, truck, van, or SUV. The regional dismantlers earn $250 for each vehicle that they help retire. Currently, the total program cost is $1,250 to retire a vehicle.

The program accelerates the improvement of air quality by removing high polluting vehicles from the road, quicker than normal vehicle attrition. Funding for the program is derived from $2 DMV registration surcharge funds. Below is the program data for the most recent reporting period and the entire fiscal year.

Old Car Buy Back Program Activity		
	1/1/2023 - 2/28/2023	**FY 2022-2023**
Vehicles retired	13	46
Funds committed @ $1,250/vehicle	$16,250	$57,500
Total tons reduced [NOx+ ROC + PM]	1.06	3.63
Average project cost-effectiveness	$21,639/ton	$20,974/ton

Vehicle Owner Location (FY 2022-2023)



ATTACHMENT B

Grant Agreement Approval Forms

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Alex Economou
Date:	12/6/22
Grant Program:	Moyer Year 23
Grant Program Funds:	$620,842
Category:	Infrastructure

PROJECT INFORMATION

Grantee:	County of Santa Barbara (AP212231)
Project Location:	Lompoc
Grant Agreement Amount:	$74,000
New Equipment:	Twenty (20) single port Level 2 EV charging stations
Grant Cost-Effectiveness:	Not Applicable for Infrastructure
Cost-Effectiveness Limit:	Not Applicable for Infrastructure
Project Life:	3 Years
Project Emission Reductions:	Not Applicable for Infrastructure

Approved: _____ **Date:** 7 Dec 2022

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Alex Economou
Date:	1/30/23
Grant Program:	Moyer Year 24
Grant Program Funds:	$1,425,958
Category:	Infrastructure

PROJECT INFORMATION

Grantee:	Foxen Vineyard, Inc. (AP222308)
Project Location:	Santa Maria
Grant Agreement Amount:	$25,000
New Equipment:	Four (4) single port Level 2 EV charging stations
Grant Cost-Effectiveness:	Not Applicable for Infrastructure
Cost-Effectiveness Limit:	Not Applicable for Infrastructure
Project Life:	3 Years
Project Emission Reductions:	Not Applicable for Infrastructure

Approved: _____ **Date:** 31 Jan 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Alex Economou
Date:	2/6/2023
Grant Program:	Moyer Year 24
Grant Program Funds:	$1,425,958
Category:	Infrastructure

PROJECT INFORMATION

Grantee:	City of Carpinteria (AP222304)
Project Location:	Carpinteria
Grant Agreement Amount:	$19,000
New Equipment:	Four (4) dual port Level 2 EV charging stations and Two (2) single port Level 2 EV charging stations
Grant Cost-Effectiveness:	Not Applicable for Infrastructure
Cost-Effectiveness Limit:	Not Applicable for Infrastructure
Project Life:	3 Years
Project Emission Reductions:	Not Applicable for Infrastructure

Approved: _____
Air Pollution Control Officer

Date: 10 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/01/2023
Grant Programs:	CAP Year 5 / CAP Year 2
Grant Program Funds:	$1,037,332.36 / $6,546
Category:	Off-Road

PROJECT INFORMATION

Grantee:	V. Lopez Jr & Sons (AP222307)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$97,500
Old Equipment:	1 - 2010 John Deere backhoe 99hp (Tier 3) 2 - 2002 John Deere dozer 90hp (Tier 1)
New Equipment:	2022 John Deere backhoe 84hp (Tier 4F)
Grant Cost-Effectiveness:	$10,503
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	11.847 tons (3.949 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 2 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To: Air Pollution Control Officer

Staff Contact: Mike McKay

Date: 02/01/2023

Grant Program: CAP Year 5

Grant Program Funds: $1,037,332.36

Category: Marine

PROJECT INFORMATION

Grantee: Stardust Sportfishing (AP222309)

Project Location: Santa Barbara Harbor

Grant Agreement Amount: $61,000

Old Equipment: Two - 2011 Cummins marine engines 285hp (Tier 2)

New Equipment: Two - 2022 Cummins marine engines 285hp (Tier 3)

Grant Cost-Effectiveness: $32,830

Cost-Effectiveness Limit: $33,000

Project Life: 4 Years

Project Emission Reductions: 1.216 tons (0.304 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 2 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/01/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Off-Road

PROJECT INFORMATION

Grantee:	DeBernardi Brothers (AP222314)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$120,000
Old Equipment:	1996 Case Agricultural Tractor 216hp (Tier 1)
New Equipment:	2020 New Holland Agricultural Tractor 311hp (Tier 4F)
Grant Cost-Effectiveness:	$23,134
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	5.307 tons (1.769 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 2 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/06/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Off-Road (Agriculture Pump)

PROJECT INFORMATION

Grantee:	Grimmway Enterprises, Inc (AP222317)
Project Location:	Cuyama
Grant Agreement Amount:	$121,000
Old Equipment:	2006 Caterpillar diesel agriculture pump 801hp (Tier 2)
New Equipment:	2022 US Motors electric agriculture pump 500hp
Grant Cost-Effectiveness:	$1,007
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	46.080 tons (15.260 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 7 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/22/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Hill Top Produce (AP222318)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$46,000
Old Equipment:	1997 White Agricultural Tractor 96hp (Tier 0)
New Equipment:	2022 Case Agricultural Tractor 110hp (Tier 4F)
Grant Cost-Effectiveness:	$20,300
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	2.376 tons (0.792 tons/yr)

Approved: _____ **Date:** 22 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/22/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Off-Road

PROJECT INFORMATION

Grantee:	J&G Berry Farms (AP222319)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$108,000
Old Equipment:	2008 Challenger Agricultural Tractor 330hp (Tier 3)
New Equipment:	2022 John Deere Agricultural Tractor 370hp (Tier 4F)
Grant Cost-Effectiveness:	$29,142
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	3.882 tons (1.294 tons/yr)

Approved: _____ **Date:** 22 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/06/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Marine

PROJECT INFORMATION

Grantee:	Adrian Stimson - FV Mysteri (AP222320)
Project Location:	Santa Barbara Harbor
Grant Agreement Amount:	$24,500
Old Equipment:	2006 Cummins marine engine 405hp (Tier 2)
New Equipment:	2022 Cummins marine engine 425hp (Tier 3)
Grant Cost-Effectiveness:	$25,956
Cost-Effectiveness Limit:	$33,000
Project Life:	7 Years
Project Emission Reductions:	0.896 tons (0.128 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 7 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/27/2023
Grant Program:	CAP Year 5
Grant Program Funds:	$1,037,332.36
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Del Campo Berry Farms (AP222321)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$27,000
Old Equipment:	2005 Kubota Agricultural Tractor 90hp (Tier 2)
New Equipment:	2022 Kubota Agricultural Tractor 104.5hp (Tier 4F)
Grant Cost-Effectiveness:	$29,235
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	0.933 tons (0.311 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 28 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/08/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Acquistapace Farms (AP222322)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$82,000
Old Equipment:	1997 John Deere Agricultural Tractor 175hp (Tier 1)
New Equipment:	2021 John Deere Agricultural Tractor 230hp (Tier 4F)
Grant Cost-Effectiveness:	$27,060
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	3.090 tons (1.030 tons/yr)

Approved: _____ **Date:** 9 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/08/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Durant Harvesting (AP222323)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$60,000
Old Equipment:	2002 John Deere Agricultural Tractor 88hp (Tier 1)
New Equipment:	2021 John Deere Agricultural Tractor 110hp (Tier 4F)
Grant Cost-Effectiveness:	$5,903
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	10.302 tons (3.434 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 9 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/08/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Adam Bros Farming (AP222325)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$120,000
Old Equipment:	1985 Steiger Agricultural Tractor 325hp (Tier 0)
New Equipment:	2023 Fendt Agricultural Tractor 396hp (Tier 4F)
Grant Cost-Effectiveness:	$5,507
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	25.497 tons (8.499 tons/yr)

Approved: _____ **Date:** 2 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/22/2023
Grant Program:	Carl Moyer Year 24
Grant Program Funds:	$1,425,958.00
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Sanford Winery Company (AP222326)
Project Location:	Lompoc Valley
Grant Agreement Amount:	$32,500
Old Equipment:	1986 Hesston Agricultural Tractor 100hp (Tier 0)
New Equipment:	2022 John Deere Agricultural Tractor 73hp (Tier 4F)
Grant Cost-Effectiveness:	$26,362
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	1.263 tons (0.421 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 22 Feb 23

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/28/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Santa Barbara Botanic Garden (AP222328)
Project Location:	Santa Barbara
Grant Agreement Amount:	$14,050
Old Equipment:	2008 Toro diesel UTV 26.5hp (Tier 4i)
New Equipment:	2020 Toro electric UTV 10hp (electric)
Grant Cost-Effectiveness:	$42,122
Cost-Effectiveness Limit:	No CE Limit for Electric UTV projects
Project Life:	7 Years
Project Emission Reductions:	0.490 tons (0.070 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 28 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/22/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Boavista Farms (AP222331)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$45,000
Old Equipment:	1999 SAME Agricultural Tractor 96hp (Tier 1)
New Equipment:	2021 New Holand Agricultural Tractor 119hp (Tier 4F)
Grant Cost-Effectiveness:	$17,527
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	2.634 tons (0.878 tons/yr)

Approved: _____
Air Pollution Control Officer

Date: 22 Feb 2023

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/28/2023
Grant Program:	$2 DMV
Grant Program Funds:	$1,500,000.00
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Santa Maria Valley Fume (AP222332)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$54,000
Old Equipment:	1996 John Deere Agricultural Tractor 84hp (Tier 0)
New Equipment:	2022 John Deere Agricultural Tractor 110hp (Tier 4F)
Grant Cost-Effectiveness:	$10,175
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	5.388 tons (1.796 tons/yr)

Approved: _____ **Date:** 28 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/28/2023
Grant Program:	$2 DMV
Grant Program Funds:	$1,500,000.00
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Star Lane & Dierberg (AP222333)
Project Location:	Santa Ynez Valley
Grant Agreement Amount:	$19,000
Old Equipment:	2001 John Deere Agricultural Tractor 89hp (Tier 1)
New Equipment:	2022 Kubota Agricultural Tractor 98hp (Tier 4F)
Grant Cost-Effectiveness:	$22,698
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	0.843 tons (0.281 tons/yr)

Approved: _____ **Date:** 28 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

GRANT INFORMATION

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	02/28/2023
Grant Program:	FARMER Year 5
Grant Program Funds:	$841,050
Category:	Off-Road

PROJECT INFORMATION

Grantee:	Freshway Farms (AP222338)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	$39,000
Old Equipment:	1999 Ford Agricultural Tractor 115hp (Tier 1)
New Equipment:	2021 John Deere Agricultural Tractor 100hp (Tier 4F)
Grant Cost-Effectiveness:	$23,359
Cost-Effectiveness Limit:	$33,000
Project Life:	3 Years
Project Emission Reductions:	1.743 tons (0.581 tons/yr)

Approved: _____ **Date:** 28 Feb 2023

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement

apcd air pollution control district
SANTA BARBARA COUNTY

Agenda Item: D-3
Agenda Date: March 16, 2023
Agenda Placement: Admin
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Kaitlin McNally, Compliance Division Manager, (805) 979-8298

SUBJECT: Notice of Violation Report

RECOMMENDATION:

Receive and file the attached summary of notices of violation issued and penalty revenue received during the months of January and February 2023.

DISCUSSION:

Pursuant to Section 40752 of the California Health and Safety Code, the Air Pollution Control Officer shall observe and enforce Part 3 and Part 4 of Division 26 of the Health and Safety Code, all orders, rules, and regulations prescribed by the District Board, all variances and orders prescribed by the District Hearing Board, and all permit conditions imposed pursuant to the District permit program.

In order to keep your Board informed of the enforcement actions taken by the Air Pollution Control Officer, the attached reports list a summary of the notices of violation issued and the penalty revenue received during the months indicated. Included in the attached NOV Reports is one payment plan:

1) Mel Giffin, Inc. – Violation Settlement Agreement civil penalty of $8,790 is being paid in six installments, with the last due in July 2023. One installment payment was received: $1,465 in February.

ATTACHMENTS:

A. NOV Report, January 2023
B. NOV Report, February 2023

Aeron Arlin Genet, Air Pollution Control Officer
(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

ATTACHMENT A

Notice of Violations
January, 2023

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

Notices of Violation Issued January 2023							
Nov #	**Facility**	**Company**	**Location**	**Violation Description**	**Self Reported**	**Violation Issued**	**Rules**
13244	2618 De La Vina Street, Santa Barbara	Santa Barbara Chicken Ranch	Santa Barbara	Exceeded the visible emissions opacity limit		01/03/2023	302
13245	Escolle Lease - Amrich	Globe Oil Exploration LTD	Santa Maria	Operated equipment beyond the Source Compliance Demonstration Period, failed to submit transfer application by due date, and failed to complete 5 Source Compliance Demonstration Period requirements by due dates		01/03/2023	201, 203, 206
13246	Carpinteria Sanitary District WWTP	Carpinteria Sanitary District	Carpinteria	Operated a portable diesel engine without a District permit		01/10/2023	201
13247	Industrial Parkway, 3138 (MVFF)	Southern California Gas Company	Santa Maria	Failed an initial Vapor Recovery System test		01/11/2023	206, 316
13248	Bradley Rd, 1710 S. (Costco Gas)	Costco Wholesale Corp.	Santa Maria	Failed an initial Vapor Recovery System test		01/11/2023	206, 316
13250	Lompoc Sanitary Landfill	City of Lompoc	Lompoc	In the 1st half of 2020 failed to initiate corrective action by due date for exceedances, failed to expand the gas collection system by due date to address exceedances, failed to operate the flare as required, exceeded flare condensation injection limit, failed to maintain required records, and failed to implement Start-up, Shutdown, and Malfunction Plan	x	01/20/2023	206, 40 CFR Subpart WWW
13251	Lompoc Sanitary Landfill	City of Lompoc	Lompoc	In the 2nd half of 2020 failed to take corrective action by due date for exceedances, failed to expand the gas collection system by due date to address exceedances, failed to install new well/replacement well/alternative remedy by due dates to address multiple exceedances, failed to operate the flare as required, exceeded flare condensation injection limit, failed to maintain required records, and failed to implement Start-up, Shutdown, and Malfunction Plan	x	01/20/2023	206, 40 CFR Subpart WWW
13252	Lompoc Sanitary Landfill	City of Lompoc	Lompoc	In the 1st half of 2021 failed to install new well/replacement well/alternative remedy by due dates to address multiple exceedances, failed to operate the flare as required, failed to maintain required records, and failed to implement Start-up, Shutdown, and Malfunction Plan	x	01/20/2023	206, 40 CFR Subpart WWW
13253	Highway 246, 188 E. (MVFF)	Aljnar, Inc.	Buellton	Failed to keep maintenance and repair logs and Vapor Recovery System testing records		01/20/2023	206
13254	Airport Road, 900 (Aviation Fuel)	Santa Ynez Valley Airport Assoc.	Santa Ynez	Failed to keep all vapor recovery equipment maintained in good working condition, leak-free, and vapor tight		01/20/2023	316
13255	County of Santa Barbara - Tajiguas Anaerobic Digestion	Mustang Renewable Power Ventures, LLC.	Goleta	Failed to submit windrow source test results by due date		01/27/2023	206
13257	Figueroa Mountain Brewing	Figueroa Mountain Brewing, LLC.	Buellton	Failed to submit boiler source test results by due date		01/31/2023	206

Penalty Settlement Payments Received January 2023									
Nov #	**Facility**	**Company**	**Location**	**Violation Description**	**Self Reported**	**Violation Issued**	**Rule**	**Date Paid**	**Total Penalty Received**
13007	Lash Const. (5 S. Calle Cesar Chavez)	Lash Construction	Santa Barbara	Failed to submit 2021 Annual Report by due date		07/27/2022	206	01/11/2023	$250
13049	Lash/Screen - Various Locations	Lash Construction	Santa Barbara	Failed to submit 2021 Annual Report by due date		07/27/2022	206	01/11/2023	$250
13162	The Nature Conservancy	The Nature Conservancy	Santa Cruz Island	Failed an initial Vapor Recovery System test		08/16/2022	316	01/17/2023	$250
									$750

ATTACHMENT B

Notice of Violations
February, 2023

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

Notices of Violation Issued February 2023

Nov #	Facility	Company	Location	Violation Description	Self Reported	Violation Issued	Rule
13256	Williams Holding Lease	Terracore Operating Company, LLC.	Santa Maria	Failed to submit 2 source test reports for Steam Generators by due date		02/01/2023	342
13258	County of Santa Barbara - Tajiguas Anaerobic Digestion	Mustang Renewable Power Ventures, LLC.	Goleta	Failed to submit 2 source test reports for MRF engines by due date		02/01/2023	206
13259	801 San Ysidro Lane, Montecito	Hansen Well-Do Service, Inc.	Montecito	Operated a portable diesel engine without a District permit		02/03/2023	201
13260	San Andres St, 1502 (MVFF)	Clean Energy Holdings, LLC.	Santa Barbara	Failed to notify the District prior to startup vapor recovery system testing		02/14/2023	206
13261	Blair Lease - Barham Ranch	Purisima Hills LLC	Los Alamos	Failed to properly maintain 2 stock tanks leak-free		02/17/2023	206
13262	Imerys Filtration Minerals, Inc.	Imerys Filtration Minerals, Inc.	Lompoc	Failed to calibrate a portable analyzer as required	x	02/17/2023	206
13263	J&A Santa Maria - Main St	J&A - Santa Maria II, LLC	Santa Maria	Failed to submit source test results for landfill gas engine at the Santa Maria Regional Landfill by due date		02/23/2023	206
13264	J&A Santa Maria - Church St	J&A - Santa Maria, LLC	Santa Maria	Failed to submit source test results for landfill gas engine at Marian Medical by due date		02/23/2023	206

Penalty Settlement Payments Received February 2023

Nov #	Facility	Company	Location	Violation Description	Self Reported	Violation Issued	Rule	Date Paid	Total Penalty Received
13248	Bradley Rd, 1710 S. (Costco Gas)	Costco Wholesale Corp.	Santa Maria	Failed an initial Vapor Recovery System test		01/11/2023	206, 316	02/02/2023	$1,000
13214	La Goleta	Southern California Gas Company	Goleta	Created a public nuisance to a considerable number of individuals from a degassing operation		11/03/2022	303	02/06/2023	$5,000
12706	Bell Lease (Cat Canyon)	Team Operating, LLC.	Santa Maria	Failed to complete multiple Source Compliance Demonstration Period requirements by due dates		04/21/2021	206	02/13/2023	$750
12967	Security Fee/Thomas Lease	Team Operating, LLC.	Santa Maria	Installed an uncertified boiler		05/23/2022	360	02/13/2023	$250
13183	Bradley Lands/Bradley Consolidated Lease	Team Operating, LLC.	Santa Maria	Failed to inspect components in 1Q21, and failed to provide PRV records, H2S sensor records, and results of quarterly cylinder gas audits for 2021		09/19/2022	206, 331	02/13/2023	$4,250
13184	Davis "C" Lease	Team Operating, LLC.	Santa Maria	Failed to inspect components in 2Q21		09/19/2022	331	02/13/2023	$250
13188	Davis Lease	Team Operating, LLC.	Santa Maria	Exceeded the repair timeframe for a leak over 50,000 ppm, and failed to provide required diluent records		09/19/2022	206, 331	02/13/2023	$6,000
13191	Goodwin A Lease	Team Operating, LLC.	Santa Maria	Failed to perform quarterly inspections of out of service tanks in 2021		09/19/2022	206	02/13/2023	$5,000
13192	Jim Hopkins Lease	Team Operating, LLC.	Santa Maria	Failed to inspect components in 1Q21		09/19/2022	331	02/13/2023	$250
13193	Security Fee/Thomas Lease	Team Operating, LLC.	Santa Maria	Failed to inspect components in 2Q21, and failed to provide required diluent records		09/19/2022	206, 331	02/13/2023	$500
13218	Bradley Lands/Bradley Consolidated Lease	Team Operating, LLC.	Santa Maria	Stored crude oil in a tank battery without a leak-free, properly installed, maintained and operated vapor recovery system		11/22/2022	325	02/13/2023	$2,500
13219	Jim Hopkins Lease	Team Operating, LLC.	Santa Maria	Stored crude oil in a tank battery without a leak-free, properly installed, maintained and operated vapor recovery system		11/22/2022	325	02/13/2023	$1,000
13220	Security Fee/Thomas Lease	Team Operating, LLC.	Santa Maria	Exceeded the number of allowable leaks		11/22/2022	331	02/13/2023	$500
Multiple [1]	Giffin Equipment	Mel Giffin, Inc.	Goleta & Santa Barbara	Operated 7 portable diesel engines without District permits or PERP registrations		12/13/2022	201	02/13/2023	$1,465
12975	Space Exploration Technologies	Space Exploration Technologies	VSFB	Exceeded emissions limits, failed to comply with operational restrictions, recordkeeping, reporting, and the Marine Vessel Monitoring and Reporting Plan requirements		06/3/2022	206	02/13/2023	$9,000
12355	O Street, 1401 N. (MVFF)	Aceco Equipment Company, Inc.	Lompoc	Failed to submit 2019 Annual Report by due date		08/14/2020	206	02/13/2023	$500
12769	O Street, 1401 N. (MVFF)	Aceco Equipment Company, Inc.	Lompoc	Failed to submit 2020 Annual Report by due date		06/16/2021	206	02/13/2023	$500
13095	O Street, 1401 N. (MVFF)	Aceco Equipment Company, Inc.	Lompoc	Failed to submit 2021 Annual Report by due date		07/27/2022	206	02/13/2023	$500
12304	Maravilla Senior Living Community	Maravilla Senior Living Community	Goleta	Failed to submit 2019 Annual Report by due date		08/20/2020	206	02/17/2023	$250
13190	Carpinteria Gas Plant	Chevron U.S.A., Inc.	Carpinteria	Caused a public nuisance when loading crude oil from a storage tank into transport trucks, in preparation for decommissioning		09/19/2022	303	02/21/2023	$10,000
12704	Imerys Filtration Minerals, Inc.	Imerys Filtration Minerals, Inc.	Lompoc	Exceeded the PM10 limit on Baghouse 135 during a source test		04/20/2021	206	02/23/2023	$5,000

$54,465

1. Payment was received for the following 7 Notices of Violation: 13229, 13230, 13231, 13232, 13233, 13234, and 13235. These violations were issued on December 13, 2022. The total civil penalty of $8,790 for these violations is being paid in 6 installments, with the last due in July 2023. This is Payment 1 of 6.

apcd air pollution control district
SANTA BARBARA COUNTY

Agenda Item: D-4
Agenda Date: March 16, 2023
Agenda Placement: Admin.
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Kristina Aguilar, CPA, Administrative Division Manager, (805) 979-8288

SUBJECT: Modifications to Classification Specifications

RECOMMENDATION:

Adopt revised class specifications for the following: Accounting Technician I/II/III, Air Quality Permit Technician I/II, Air Quality Specialist I/II/III, Air Quality Engineer I/II/III, Executive Assistant/Board Clerk, and Human Resources Analyst I/II.

DISCUSSION:

Periodically the District reviews its organizational structure to ensure we are operating in an efficient and effective manner. At this time, we feel it is appropriate to adjust the class specifications to increase our recruiting efforts by encouraging applicants who are in their final year of study to apply for positions at the District. Under the Qualification Guidelines section of the class specification, the District is proposing to add the following language; "applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree." No major revisions to the job classifications are being proposed. The affected unions, Engineers and Technicians Association (ETA), and SEIU Local 620 reviewed the proposed modifications to the class specification and had no concerns or comments.

FISCAL IMPACT:

There is no fiscal impact to the District based on the proposed changes to the class specifications.

ATTACHMENTS:

A. Accounting Technician I/II/III
B. Air Quality Permit Technician I/II
C. Air Quality Specialist I/II/III
D. Air Quality Engineer I/II/III
E. Executive Assistance/Board Clerk
F. Human Resources Analyst I/II

Aeron Arlin Genet, Air Pollution Control Officer
(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

ATTACHMENT A

Accounting Technician I/II/III

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Accounting Technician I/II/III

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under immediate supervision (I), general supervision (II), and limited supervision (III), performs specialized and technical accounting and financial recordkeeping support work in a variety of accounting functions including accounts payable, accounts receivable, financial reporting, and grant applications. Performs other duties as required.

CLASS CHARACTERISTICS:

Accounting Technician I is the entry and training class of the series. Incumbents work under immediate supervision while learning District practices, rules, policies and procedures. The Accounting Technician I performs routine and less complex assignments of the unit. Work becomes increasingly complex over time and requires less supervision as additional skills and abilities are acquired.

Accounting Technician II is the fully experienced, journey-level class of the series, which requires performance of more difficult tasks requiring a working knowledge of District rules, policies, and procedures; accounting principles and practices; financial recordkeeping; and budget preparation. Incumbents work under general supervision and perform the full range of duties for the position.

Accounting Technician III is the advanced journey-level class of the series and performs the most difficult and complex tasks. Incumbents work with minimal supervision; are lead workers; exercise independent judgment and decision-making; and administer programs/projects within the Division.

These positions report to the Administrative Division Supervisor.

ESSENTIAL FUNCTIONS: *(including, but not limited to, the following)*

- Reviews accounting and financial documents to ensure accuracy, completeness of information, and proper authorization and compliance for District policies and procedures.
- Process payments for accounts payable, contracts, and advisory boards.
- Prepares deposits by matching payments to accounts receivable, determining correct account designations of pre-paid payments, and posting payments to customer accounts.
- Performs monthly balancing of trust fund, revenue, and expenditure data.
- Distributes petty cash; and processes travel requests, purchase requests, and expense reimbursements verifying budget allocations.
- Prepares labor invoices for monthly, semi-annual, and annual billings.
- Monitors labor expenses, services, and supplies against budget appropriations and actual expenditures and generates reports.
- Performs annual renewal of purchase contracts and purchase orders.

- Prepares financial applications for grant submissions; maintains files and records; and produces quarterly and final progress reports.
- Conducts monthly balancing of accounts payable and accounts receivable ledgers and/or general ledger financial systems to ensure accuracy of transactions.
- Acts as back up for other fiscal and office line staff.
- Other duties as assigned and as required to fulfill the essential functions of the position.

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement, and fine coordination in writing, preparing statistical reports, and evaluating data using a computer keyboard. Additionally, the position requires near vision when reading correspondence and statistical data on the computer, and acute hearing when providing telephone service and communicating in person. The need to lift, drag and push files, displays or other materials weighing up to 25 pounds also is required.

QUALIFICATION GUIDELINES: *(The following are minimal qualifications necessary for entry into the classification)*

Education and/or Experience

Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance. Example combinations include:

Accounting Technician I Successful completion of an equivalent of 15 units from an accredited learning institution in the disciplines of accounting, finance, business or public administration, or a closely related field (applicants who are currently in their final year of study leading to the required units are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

Accounting Technician II Successful completion of an equivalent of 30 units from an accredited learning institution in the disciplines of accounting, finance, business or public administration, or a closely related field; **and** two years equivalent experience of an Accounting Technician I. An associate degree or higher in any of the preferred disciplines may be substituted for one year of experience (applicants who are currently in their final year of study leading to the required units are encouraged to apply. Such applicants may compete in the examination and departmental selection process but may not begin employment in a position until they have attained the required degree).

Deleted:

Accounting Technician III Graduation with the equivalent of an Associate's degree from an accredited college or university preferably with a major in accounting, finance, business or public administration, or a closely related field; two years equivalent experience of an Accounting Technician II; **and** one additional year of increasingly responsible professional experience performed in an independent manner. A bachelor's degree in any of the preferred disciplines may be substituted for one year of experience (applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection process but may not begin employment in a position until they have attained the required degree).

KNOWLEDGE/ABILITIES/SKILLS: *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

Knowledge of: Principles and practices of double-entry accounting; principles and practices of purchasing; account structures; financial reports and reporting; computerized accounting system software; month-end and year-end closing procedures and practices including the accrual process; and basic business math.

Ability to: Communicate effectively orally and in writing; prepare clear, complete, and technically accurate reports; gather and analyze data; prepare and present data in logical format; identify, research, and solve accounting problems; perform mathematical calculations related to financial transactions; create and analyze spreadsheets; read and understand District policies and procedures; interpret and work with large amounts of numeric data; perform multiple tasks and meet numerous deadlines; form conclusions and make sound decisions; and, establish and maintain effective working relationships.

Skills to: Accurately input both alpha and numeric data into spreadsheets and databases; operate a 10-key calculator by touch; operate standard office equipment such as an office computer, copier, shredder, telephone, voicemail, and fax; and a variety of word processing, data management, and other software applications.

SPECIAL REQUIREMENTS:

Possession of or ability to obtain and maintain a Class C California driver's license.

FLSA– Non-Exempt
SEIU Unit 23

Adopted: TBD

ATTACHMENT B

Air Quality Permit Technician I/II

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Air Quality Permit Technician I/II

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under immediate supervision (I), general supervision (II), performs paraprofessional technical work in the standard evaluation, processing and issuance of air quality permits of ministerial sources; performs specialized clerical functions and data entry duties related to permitting, enforcement, and fiscal databases. This position also performs collection duties for the District. This position reports to the Division Supervisor.

CLASS CHARACTERISTICS:

Air Quality Permit Technician I is the entry and training class of the series. Incumbents work under immediate supervision while performing the less complex office and paraprofessional technical work and routine assignments that become increasingly complex over time and require less supervision as additional skills and abilities are acquired.

Air Quality Permit Technician II is the fully experienced journey-level class of the series which requires performance of more difficult tasks requiring a working knowledge of District rules, regulations and procedures; fundamental engineering principles and practices; air pollution control methodology and equipment. This class is distinguished from the Air Quality Engineering series in that the latter is a professional level class series requiring significant technical and theoretical knowledge in the field of engineering in addition to exercising a higher degree of independent judgment.

Incumbents in this class are expected to complete assignments within policy parameters, in observance of established schedules, and work independently on complex assignments.

ESSENTIAL FUNCTIONS: *(including, but are not limited, to the following)*

- Processes, evaluates, and checks ministerial permit applications and other documents in accordance with established procedures and in compliance with regulations.
- Enters, processes, and tracks applicant submittals in computerized applicant database.
- Reviews and verifies technical information for all permit applications and annual updates.
- Recommends approval or denial of permits for ministerial sources in accordance with established procedures and regulations.
- Advises and assists industry representatives in completing permit application packages.
- Prepares and sends out notices for collection, applies and updates penalties, and processes collection actions.
- Responds to various data requests including Public Records Act (PRA) requests, California Fair Reporting Act (CFRA) requests, and inquiries from other District staff, applicants, and the public.

- Uses various techniques to collect delinquent accounts by telephone, personal contact, or correspondence.
- Files court documents related to collections, arranges for subpoenas, appears in court, and obtains liens on personal and real property.
- Assists in the preparation, quality assurance, and analysis of research data related to air toxics programs.
- Prepares a variety of technical reports in support of the compliance, permitting, air toxics and fiscal programs, including NOV information, mutual settlement, and invoices.
- Maintains and updates the District's integrated data system database(s) related to permits, air toxics, asbestos notifications, subscriptions, transfer of ownership and other related fields.
- Responds to inquiries in person, by mail, or by phone, providing explanation of established procedures, fees, and work District policies.
- Other duties as assigned and as required to fulfill the essential functions of the position.

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement and fine coordination in preparing statistical reports and data using a computer keyboard. Additionally, the position requires near vision in reading correspondence, statistical data on the computer, and acute hearing is required when providing telephone service and communicating in person. The need to lift, drag and push files, computer reports or other objects weighing up to 25 pounds also is required.

Dependent upon assignment, independent travel is required. Work is performed in an office environment and in the field and may require exposure to hazardous conditions and unpleasant elements such as dust, fumes, vapor, solvents, high temperatures from operating processes, high noise levels, vibration and/or outside weather conditions. Fieldwork involves moderate physical exertion such as walking, bending, stooping, kneeling, squatting, twisting, reaching, climbing, and working on uneven surfaces. Depending upon assignment may be required to climb ladders and high structures to evaluate processes in operation and/or occasionally perform work at elevated heights.

QUALIFICATION GUIDELINES:

The following education and experience are the minimum qualifications necessary for entry into the classification.

Education and/or Experience

Air Quality Permit Technician I Equivalent to an Associate Degree in engineering, mathematics, physical sciences, or closely related technical field, OR two years of administrative support experience in an engineering, compliance, or environmental program, OR any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

Air Quality Permit Technician II In addition to the above, two years of experience performing technical work in the standard evaluation, processing and issuance of air quality permits for ministerial sources.

Deleted:

KNOWLEDGE/ABILITIES/SKILLS: *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

Knowledge of:

Applicable regulations, rules, policies, and procedures governing the Engineering and Fiscal program operations; collection structure and financial guidelines of the District; methods and techniques for basic report preparation, writing and record keeping; basic math; basic statistics; database entry and maintenance; composition of graphs and charts; fundamental engineering principles and practices; air pollution control methodology and equipment; computer operation as related to permit processing applications; and, safe work practices.

Ability to:

Exercise sound independent judgment; communicate effectively orally and in writing; read, comprehend, interpret, incorporate and utilize District rules and regulations; perform simple mathematical computations rapidly and accurately; develop and implement operation tracking and control procedures; prepare reports; collect and analyze data to establish/identify needs and evaluate program effectiveness; research regulations, procedures and/or technical reference materials; interpret administrative directions and incorporate into operational policy and procedure; present data in various formats, including graphs and charts; research, compile, and summarize technical data into various formats for use in reports and presentations; access and manage various electronic and manual filing systems; organize and maintain a database library, and an archive and filing system; maintain accurate records and document actions taken; proofread and/or edit for errors in spelling, grammar, punctuation and/or mathematical computations; draw logical conclusions, make sound decisions and recommendations; maintain confidentiality of information; follow safe work practices; organize and prioritize work assignments; establish and maintain effective working relationships with a variety of personnel; operate a computer and use a variety of software applications; operate a calculator and other common office equipment; work independently; perform in stressful or confrontational situations; demonstrate tact and diplomacy; and, respond constructively to conflict and develop effective resolutions.

Skill to:

Operate an office computer and a variety of word processing, data management, and other software applications; perform basic engineering calculations; apply technical rules and regulations; prepare clear and concise reports; understand and explain technical rules and regulations; coordinate and prioritize work activities while meeting crucial deadlines; use initiative and sound independent judgment within established guidelines; and, deal with the public in a courteous and professional manner.

SPECIAL REQUIREMENTS:

Possession of or ability to obtain and maintain a valid Class C California driver's license.

FLSA: Non-exempt
I/II Flex
ETA, Unit 28

Adopted: TBD

Formatted: Highlight

ATTACHMENT C

Air Quality Specialist I/II/III

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

AIR QUALITY SPECIALIST I, II, III

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under immediate supervision (I), general supervision (II), and limited supervision (III), performs a variety of assignments in the Compliance or Planning Division. The Air Monitoring section staff are led by the Principal Monitoring Specialist and are supervised by the Planning Division Manager.

CLASS CHARACTERISTICS:

Air Quality Specialist I is the entry level and training class of the series. Incumbents work under immediate supervision while learning District practices, rules, policies and procedures; Local, State and Federal air pollution practices, rules and regulations; and the principles and practices necessary for the position. The Air Quality Specialist I performs the less complex work and routine assignments of the unit. Work becomes increasingly complex over time and requires less supervision as additional skills and abilities are acquired.

Air Quality Specialist II is the fully experienced, journey level class of the series, which requires performance of more difficult tasks requiring a working knowledge of District rules, policies and procedures, Local, State and Federal air pollution rules and regulations, and the principles and practices necessary for the position. Incumbents work under general supervision and perform the full range of duties for the position.

Air Quality Specialist III is the advanced journey level class in the series and performs the most difficult and complex tasks. Incumbents work with minimal supervision; are lead workers; exercise independent judgment and decision-making, and administer programs/projects within the Division. The Air Quality Specialist III is not considered a supervisory class in that the selection and discipline of employees is not assigned to this level and the number of employees for which direction is provided is limited.

ESSENTIAL FUNCTIONS:

Essential functions are broken down in two groups; general functions that apply to all Air Quality Specialists and functions that are specific to each Division. These include, but are not limited to the following:

GENERAL FUNCTIONS

- Prepares and/or assists in the preparation of public presentations, workshops, internal and external webpages, forms, policies and procedures, protocol documents, guidance memoranda, correspondence, reports, contracts, proposals, billings, articles, staff reports, District rules, and internal database programs.

- Disseminates information to and answers inquiries from regulated sources, individuals, and groups on air quality. Advises regulated sources and the public regarding policies and procedures, and requirements of the District.

- Attends meetings, conferences, or workshops; makes presentations; provides testimony or appears as an expert witness. May participate and/or represent the District in regulatory

meetings; Board meetings; the Community Advisory Council; technical advisory committees; Local, Regional, Statewide and/or National committees.

- As requested, provides information for the District's annual budget.
- Works collaboratively with staff from other District Divisions and outside agencies.
- Able to work full time and to successfully perform all of the essential functions of the position.
- Other duties as assigned and as required to fulfill the essential functions of the position.

AIR MONITORING SECTION

- Works on programs such as Industry Site ambient air monitoring, State and Local Air Monitoring Stations (SLAMS), Continuous Emissions Monitoring Systems (CEMS), Data Acquisition System (DAS), and Photochemical Assessment Monitoring Stations (PAMS). Implements Meteorological and Air Quality, Quality Assurance Program(s); operates and maintains air quality monitoring stations, including data processing and reporting.
- Conducts and assists with measurements and analyses of toxic air pollutants. Interprets instrument charts; performs validation of data generated at monitoring sites; interprets and records data; maintains quality control data; tabulates data; and conducts sampling and analyses of the atmosphere and emissions from industrial or other sources.
- Develops computerized database routines and queries to aid in the processing of air quality monitoring and CEMS data and the generation of real-time alarms.
- Oversees permit mandated monitoring program(s) (i.e. Industry Sites, odor monitoring, CEMS) to ensure the collection of quality data and compliance with related permit conditions.
- Generates and maintains historical summaries and trends of local air quality and CEMS data. Develops and writes annual reports presenting data in graphical and tabular form.
- Assists Principal Monitoring Specialist with Air Quality Episode notification pursuant to District Rule 602, including preparing and dissemination of air contaminant levels for different facilities and regions. Ensures that accurate information is routed to the District's real-time monitoring web page.
- Installs, calibrates, operates, maintains, and services ambient air monitoring instruments and telemetry equipment, including the preparation of necessary gaseous standard mixtures; repairs and rebuilds sensors and monitors; calibrates, services, and operates electronic test equipment. Certifies and maintains standards for use in calibration of equipment. Performs on-site inspections of air monitoring equipment operations.
- Deploys air quality monitoring equipment for special studies or emergency response.
- Researches, develops, writes and maintains monitoring plan documents, quality assurance manuals, and operating procedures. Reviews and evaluates industry-developed monitoring plan documents, quality assurance manuals, and operating procedures.
- Monitors Local, State and Federal legislation and administrative requirements and other air quality regulations and programs. Develops data and technical materials, conducts studies and prepares reports in support of air quality planning functions, environmental documents, permit development, complaint response and enforcement cases. Also provides same to private, state and federal monitoring programs.

- Assists in the development, design, and preparation of specifications for equipment, spare parts, and site installation. Installs upgrades to air monitoring equipment; develops improvements to air monitoring network. Prepares cost estimates and recommendations for equipment purchases. Maintains adequate supply of parts and consumables for laboratory and field operations.

- Conducts field or laboratory analyses; performs testing, measurements and equipment analysis and establishes instrumentation specifications; performs internal audits of systems and monitoring sites; prepares written reports.

COMPLIANCE DIVISION

- Performs inspections and investigations of air pollution sources, control systems, devices, equipment, and complaints to ensure compliance with air pollution control regulations. Reviews facility records and reports including emissions calculations, operational data, and monitoring records for compliance. Creates and maintains inspection records and evidence in such a way that effectively documents observations and actions taken.

- Uses a variety of equipment including portable toxic vapor analyzers, handheld volatile organic compound monitors, portable combustion emissions analyzers, portable aerosol monitors, portable hydrogen sulfide analyzers, personal hydrogen sulfide monitors. Maintains these devices for integrity and consistency of performance. Assists in identifying specifications for equipment acquisition and prepares cost estimates and recommendations for equipment purchases. May collect samples for lab analysis, using appropriate sampling techniques and chain of custody procedures.

- Prepares and issues written Notice of Violations, Minor Infraction Notices; documents violations with written reports, and re-inspects sites for remedial action and compliance.

- Implements the District's open burning program.

- Processes variance applications, prepares reports and represents the District for variances and abatement orders petitioned before the District Hearing Board.

- As requested, observes source tests and reviews associated plans and reports.

- Assists and/or administers the District's asbestos program including performing, delegating (with Division Supervisor approval), and overseeing completion of the following tasks: provide asbestos NESHAP regulations information to contractors and building owners; review renovation and demolition notifications; conduct inspections; develop and conduct asbestos regulation training.

- Assists and/or administers the District's mutual settlement program including performing, delegating (with Division Supervisor approval), and overseeing completion of the following tasks: negotiate settlements and prepare settlement agreements; review and respond to civil penalty enforcement cases including settlement or referral for prosecution.

- Assists and/or administers the Compliance Division safety program including performing, delegating (with Division Supervisor approval), and overseeing completion of the following tasks: coordinate regular safety training; coordinate annual respirator fit-testing and hydrogen sulfide certification; maintain safety policies and procedures, protocols, respiratory protection program manual, and other safety records.

PLANNING SECTION

- Develops emission reduction strategies from stationary and non-stationary sources of pollution and innovative mitigation programs for District permit applicants and other land use development projects; assists in Clean Air Plan efforts; assists in developing the emission inventory and

recommends emission control and reduction strategies. Analyzes air quality data and tracks trends for Santa Barbara County.

- Reviews and comments on environmental impact documents for land use development projects, oil and gas development projects, and other complex projects as related to air quality.
- Reviews and comments on Local, Regional, and Statewide planning and transportation plans and programs as they relate to air quality.
- Performs technical analyses of air quality issues using various tools, computer models, and statistics.
- Prepares CEQA documents for District plans, rules, and permits.
- Prepares analytical and performance reports, protocols and guidelines on land use and air quality to assist in development of air quality plans, analyses, and mitigation measures.
- Provides technical assistance and develops documents and tools regarding the District regulatory process for regulated businesses.
- Provides specialized technical knowledge to staff, regulated community, students, and other agencies.
- Develops and implements community education and outreach programs on air quality and related issues; maintains and updates air quality information on the District's website.
- Develops and implements clean air grant and incentive programs.
- Collects annual operational information from regulated sources and calculates emissions for the District's fee programs.
- Plans for and represents the District at community events.

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement and fine coordination in preparing statistical reports and data using a computer keyboard. Additionally, the position requires near vision in reading correspondence, statistical data on the computer, and acute hearing is required when providing telephone service and communicating in person. The need to lift, drag and push files, computer reports or other materials weighing up to 25 pounds also is required. For staff in the field, the need to lift, drag or push equipment or other objects weighing up to 80 pounds may be required.

Depending upon assignment, independent travel is required. Work is performed in an office environment and in the field and may require exposure to hazardous conditions and unpleasant elements such as dust, fumes, vapor, solvents, high temperatures from operating processes, high noise levels, vibration and/or outside weather conditions. Fieldwork involves moderate physical exertion such as walking, bending, stooping, kneeling, squatting, twisting, reaching, climbing, and working on uneven surfaces.

Depending upon assignment, may be required to climb ladders and high structures to evaluate processes in operation and/or occasionally perform work at elevated heights. Transportation to offshore sites may require the use of airplane, helicopters or marine vessels in inclement weather and open sea conditions and transference to oil platforms over open seas on a rope ladder.

QUALIFICATION GUIDELINES:

The following education and experience are the minimum qualifications necessary for entry into the classification.

Air Quality Specialist I

AIR MONITORING SECTION

A Bachelor's degree from an accredited college or university, preferably with a major in environmental planning, environmental or atmospheric science, statistics, physics, chemistry, mathematics, meteorology, engineering, or a closely related physical, chemical, or biological scientific field (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

COMPLIANCE DIVISION

A Bachelor's degree from an accredited college or university, preferably with a major in chemistry, physics, engineering, environmental or atmospheric science, or a closely related technical or scientific field (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

PLANNING SECTION

A Bachelor's degree from an accredited college or university, preferably with a major in chemistry; meteorology; environmental or atmospheric science; regional, urban, environmental or transportation planning; or a closely related field (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

Air Quality Specialist II

In addition to the requirements for the Air Quality Specialist I in each Section/Division, the minimum requirements necessary are:

AIR MONITORING SECTION

At least two years of experience in technical ambient air quality data analysis, air quality data management and software applications.

COMPLIANCE DIVISION

At least two years of technical experience in air pollution control inspection or enforcement work, including the operation of air pollution measuring devices and related equipment.

PLANNING SECTION

At least two years of professional experience in air pollution control, CEQA review, or in air quality emission and control technology analysis.

Air Quality Specialist III

In addition to the requirements for the Air Quality Specialist II in each Section/Division, the minimum requirements necessary are:

AIR MONITORING SECTION

One additional year of increasingly responsible technical air quality experience performed in an independent manner.

COMPLIANCE DIVISION

One additional year of increasingly responsible technical air pollution inspection or enforcement experience performed in an independent manner.

PLANNING SECTION

One additional year of increasingly responsible professional experience performed in an independent manner.

KNOWLEDGE/ABILITIES/SKILLS:

The following are a representative sample of the KAS's necessary to perform essential duties of the position.

Knowledge of:

AIR MONITORING SECTION

Complex principles and practices used in air pollution analysis and control including physics, chemistry, mathematics, natural sciences, and meteorology as related to air quality management/air pollution control; Local, Regional, State and Federal regulations and policies governing air pollution control activities; scientific computer programming/modeling applications, research methods, methods of statistical analysis, principles and methods of measuring atmospheric conditions and pollution levels, methods of measuring stationary source emissions, chemical and physical characteristics of air impurities and their interactions with the environment; nomenclature and equipment used in air quality monitoring, data collection, and planning; air pollution control devices and industrial processes; engineering calculations and statistical methods. Installation, operation, maintenance, testing, and repair of instruments and equipment employed in sampling, monitoring, and transmission of data involving electronics and chemical, physical and mechanical principles; rules and regulations relating to air quality standards and quality assurance standards applicable to air monitoring; electricity, electronics, mechanics and related mathematics as they apply to the use of air sampling instruments and equipment used to test the instruments; safety methods and devices used in working with and around electrical and electronic circuits and industrial gases.

COMPLIANCE DIVISION

Principles of physics, chemistry and engineering as they relate to air pollution control; basic scientific research methods; and appropriate use of personal protective equipment. Thorough knowledge of rules and regulations pertaining to air pollution control; applicable Local, State and Federal laws and regulations; current industrial and commercial air pollution control processes and related mechanical, electrical and chemical system equipment; the sources, types and characteristics of air contaminants; appropriate methods of inspection and instrument testing; available legal and administrative procedures for enforcement; the principles behind established policies, procedures and air quality inspection techniques.

PLANNING SECTION

Local, State and Federal laws pertaining to air quality; District rules and regulations, policies and procedures; permit application procedures; air pollution control equipment, technology, and processes; environmental compliance, and land use planning; air pollution or related environmental problems; principles, practices, and trends of air quality and transportation planning; relationship of physical design, demographic, environmental, and socio-economic concepts as applied to regional planning and air quality goals; statistical analysis and mathematical concepts related to the environmental and air quality planning process; meteorology as related to air quality management/air pollution control.

Ability to:

AIR MONITORING SECTION

Communicate effectively orally and in writing; plan, organize, and carry out studies and analysis; prepare clear, complete, and technically accurate reports; analyze data, develop recommendations based on findings, and reach sound and defensible conclusions; collect environmental data, collect stationary source emission data; work effectively with various governmental agencies, private firms, and the general public; analyze situations and take effective action; speak before groups, organizations, regulatory bodies and professional meetings; respond constructively to conflict and develop effective resolutions; and, establish and maintain effective working relationships. Effectively use pertinent hand tools, equipment and facilities.

COMPLIANCE DIVISION

Exercise sound independent judgment; Communicate effectively orally and in writing; plan, organize, and carry out studies and analysis; read, comprehend, interpret, incorporate and utilize District rules and regulations; policies and procedures, applicable Federal and State laws and regulations, appropriate reference materials, accepted industry standards and basic scientific principles; create, organize, maintain and retrieve records for effective documentation and decision making; prepare clear, complete, and technically accurate technical, investigative and other reports; perform arithmetic and mathematical computations; analyze data, develop recommendations based on findings, and reach sound and defensible conclusions; collect environmental data, collect stationary source emission data; work effectively with various governmental agencies, private firms, and the general public; analyze situations and take effective action; speak before groups, organizations, regulatory bodies and professional meetings; respond constructively to conflict and develop effective resolutions; establish and maintain effective working relationships; perform in stressful or confrontational situations; demonstrate tact and diplomacy; secure cooperation and promote teamwork; work effectively with others who may have objectives counter to assigned role; understand and utilize basic elements of effective negotiations. Conduct technical studies using a variety of accepted industry field testing techniques and equipment. Effectively use pertinent tools, equipment, safety and respiratory equipment, and facilities.

PLANNING SECTION

Communicate effectively orally and in writing; evaluate air pollution issues as they relate to District sources; read, understand, interpret, apply, and explain requirements of District rules and regulations, the Health and Safety code, and the California and Federal Clean Air Acts; exercise appropriate judgment in answering questions and releasing information; analyze technical information and translate into understandable format for regulated sources and the general public; establish and maintain effective working relationships. Research, compile, and summarize a variety of complex and technical reports and informational materials; compose clear and complete technical, educational, and informational reference materials for industry and public use; maintain accurate records and files; interpret and apply Local, State and Federal laws, regulations, policies, procedures, and standards pertaining to the environmental review and planning process; perform and coordinate activities, such as the collection, analysis, and preparation of reports and recommendations; read and interpret laws, policies, procedures, regulations, maps, specifications, site and building plans, graphs and statistical data; interpret air quality and meteorological

data to conduct air quality forecasting; and exercise sound independent judgment within established policy guidelines.

Skill to:

Utilize an office computer and a variety of word processing, data management and other software applications; use tools to perform manual maintenance operations.

SPECIAL REQUIREMENTS:

Possession of or ability to obtain and maintain a Class C California driver's license. As required, possession of, or the ability to obtain, certification as a Visible Emission Evaluator by the California Air Resources Board and/or respirator certification, and/or confined space entry certification and/or hydrogen sulfide certification.

FLSA: I/II Non – Exempt
III – Exempt
I/II Flex
Form 700 Required
ETA, Unit 28

Adopted: TBD

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ATTACHMENT D

Air Quality Engineer I/II/III

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

AIR QUALITY ENGINEER I/II/III

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under immediate supervision (I), general supervision (II), and limited supervision (III), performs a variety of assignments in the Engineering, Planning or Compliance Divisions. Individuals in the III classification may act as a lead engineer and/or supervise a special program/project.

CLASS CHARACTERISTICS:

Air Quality Engineer I is the entry and training class of the series. Incumbents work under immediate supervision. This entry-level class learns and/or utilizes: District practices, rules, policies and procedures; Local, State and Federal air pollution practices, rules and regulations; a working knowledge of engineering principles, practices and equipment used in air quality analysis and control; engineering mathematics, statistical techniques, combustion processes and elementary thermodynamics, quantitative instrumentation and analysis; and, the principles and practices necessary for the position. The Air Quality Engineer I performs the less complex work and routine assignments of the Division. Work becomes increasingly complex over time and requires less supervision as additional knowledge, skills and abilities are acquired.

Air Quality Engineer II is the fully experienced journey level class of the series. Incumbents work under general supervision. This journey-level class performs the full range of duties for the position, which requires performance of more difficult tasks requiring a working knowledge of District rules, policies and procedures; Local, State and Federal air pollution rules and regulations; a working knowledge of engineering principles, practices and equipment used in air quality analysis and control; engineering mathematics, statistical techniques, combustion processes and elementary thermodynamics, quantitative instrumentation and analysis; and, the principles and practices necessary for the position.

Air Quality Engineer III is the advanced journey-level class in the series. Incumbents work with minimal supervision, are lead workers, exercise independent judgment/decision-making, and administer programs/projects within the Division as well as supervising projects and providing guidance and oversight to other professional staff. This advanced journey-level class performs the most difficult and complex tasks requiring a working knowledge of District rules, policies and procedures; Local, State and Federal air pollution rules and regulations; a working knowledge of engineering principles, practices and equipment used in air quality analysis and control; engineering mathematics, statistical techniques, combustion processes and elementary thermodynamics, quantitative instrumentation and analysis; and, the principles and practices necessary for the position. The Air Quality Engineer III is not considered a supervisory class in that the selection and discipline of employees is not assigned to this level and the number of employees for which direction is provided is limited.

These positions report to the Division Supervisor.

ESSENTIAL FUNCTIONS: *(including, but not limited to, the following)*

- Provides project management functions and technical expertise in specialized areas such as permitting, rule development, air toxics, climate change, innovative technologies, continuous emission monitoring systems (CEMS), emission reduction credits (ERCs), and source testing.

- Reviews applications for Authority to Construct (ATC) permits, Permits to Operate (PTO), Federal Part 70 permits, Federal PSD permits, and Decision of Issuance (DOI) requests for ERCs. Provides professional engineering work in the processing, evaluation and issuance of permits, including calculation of air pollutant emissions, analysis of air pollution control equipment and processes, review of applicable rules and regulations, development of the permit and conditions, and preparation of an Engineering Evaluation. Makes recommendations to approve or deny the permit.
- Analyzes requests for permit exemptions and make recommendations to approve or deny the request.
- Provides regulated facilities and the public interpretation of rules, regulations and District policies and procedures.
- Conducts air quality impact analyses (AQIA) for proposed new or modified sources of air pollution, including support for lead agency environmental review.
- Conducts air toxics health risk assessments (HRA) for proposed new or modified sources of air pollution, AB 2588, lead agency environmental review, and other requests as assigned.
- Makes determinations and recommendations of best available control technology (BACT).
- Analyzes and prepares engineering reports in connection with a wide variety of air pollution control problems and recommends emission control and reduction strategies
- Conducts engineering review and inspections of new and existing pollution sources, including the review of plans, reports, and studies to determine source compliance.
- Develops, implements and maintains integrated database system (IDS) solutions for the Division.
- Develops, implements and maintains internal and external webpages.
- Implements and maintains the District's emission reduction credit (ERC) and offsets program.
- Observes field source tests; reviews source test plans and reports; schedules source test dates; prepare invoices; maintains records and evidence in such a way that effectively documents observations and actions taken; and, maintains and updates the Source Test database.
- Develops and/or assists in the development of District rules and regulations.
- Enforces permits, rules, regulations, policies and procedures
- Performs environmental review and makes recommendations.
- Maintains files and records according the District practices.
- Develops and revises Division forms and protocol documents.
- Participates in the development of innovative emission reduction strategies and programs based on analysis and investigations of emission sources.
- Assists in the development of requests for proposals (RFP), selection of contractors, management and budgeting of contracts, and tracking of expenditures.
- Prepares and/or assists in the preparation of staff reports, presentations and correspondence to the Board of Directors, Hearing Board, Community Advisory Council, schools, industry, community groups and conferences.

- Advises the public on policies, requirements and procedures of the District. Attends meetings, makes presentations and provides testimony as an expert witness; responds to public inquiries, participates in special events; disseminates information and answers inquiries from individuals and groups on air quality.

- Participates in air quality organizations and other work related groups and associations (e.g., CAPCOA). Attends meetings, makes presentations and provides testimony; prepares reports related to air quality issues. Participates on state and/or national technical committees.

- Monitors and reviews Local, State and Federal legislation and applicability to District operations.

- Other duties as assigned and as required to fulfill the essential functions of the position.

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement and fine coordination in preparing statistical reports and data using a computer keyboard. Additionally, the position requires near vision in reading correspondence, statistical data on the computer, and acute hearing is required when providing telephone service and communicating in person. The need to lift, drag and push files, computer reports or other objects weighing up to 25 pounds also is required. For engineers in the field, the need to lift, drag or push equipment or other objects weighing up to 80 pounds may be required.

Dependent upon assignment, independent travel is required. Work is performed in an office environment and in the field and may require exposure to hazardous conditions and unpleasant elements such as dust, fumes, vapor, solvents, high temperatures from operating processes, high noise levels, vibration and/or outside weather conditions. Fieldwork involves moderate physical exertion such as walking, bending, stooping, kneeling, squatting, twisting, reaching, climbing, and working on uneven surfaces. Depending upon assignment may be required to climb ladders and high structures to evaluate processes in operation and/or occasionally perform work at elevated heights.

Transportation to offshore sites may require the use of airplane, helicopters or marine vessels in inclement weather and open sea conditions and transference to oil platforms over open seas on a rope ladder.

QUALIFICATION GUIDELINES:

The following education and experience are the minimum qualifications necessary for entry into the classification.

Education and/or Experience

Air Quality Engineer I A Bachelor of Science in Engineering degree from an accredited college or university with a preferred major in chemical, mechanical, petroleum or environmental engineering (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

Air Quality Engineer II In addition to the requirements for the Air Quality Engineer I, at least two years professional experience: (a) as an Air Quality Engineer I, and/or (b) in the investigation/enforcement of air pollution control regulations, and/or (c) in the design of either mechanical equipment or chemical processes used in air pollution control.

Air Quality Engineer III In addition to the requirements for the Air Quality Engineer I, at least four years of professional experience: (a) as an Air Quality Engineer I/II, and/or (b) in the investigation/enforcement of

air pollution control regulations, and/or (c) in the design of either mechanical equipment or chemical processes used in air pollution control; and, two years of increasingly responsible professional experience performed in an independent manner.

KNOWLEDGE/ABILITIES/SKILLS: *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

Knowledge of:

Complex engineering principles and practices used in air pollution analysis and control including physics, chemistry, mathematics, elementary thermodynamics, natural sciences, and meteorology as related to air quality management/air pollution control; local, regional, State, and Federal regulations and policies governing air pollution control activities; environmental regulations such CEQA and NEPA; scientific computer programming/modeling applications, research methods, methods of statistical analysis, principles and methods of measuring atmospheric conditions and pollution levels, methods of measuring stationary source emissions, chemical and physical characteristics of air impurities and their interactions with the environment; nomenclature and equipment used in air quality monitoring/measurement, data collection, and planning; air pollution control devices and industrial processes; and, engineering calculations and statistical methods.

Ability to:

Exercise sound independent judgment; communicate effectively orally and in writing; read, comprehend, interpret, incorporate and utilize District rules and regulations; plan, direct, organize, carry out, and/or evaluate comprehensive engineering studies and analysis; prepare clear, complete, and technically accurate reports; analyze and evaluate engineering plans, specifications, technical reports and blueprints; perform complex mathematical and statistical analyses; interpret, explain, and enforce regulations and policies; develop recommendations based on findings, and reach sound and defensible conclusions; collect environmental and stationary source emission data; work effectively with various governmental agencies, private firms, and the general public; analyze situations and take effective action; speak before groups, organizations, regulatory bodies and professional meetings; establish and maintain effective working relationships; perform in stressful or confrontational situations; demonstrate tact and diplomacy; respond constructively to conflict and develop effective resolutions.

Skill to:

Operate an office computer and a variety of word processing, data management and other software applications; use, calibrate and maintain portable air quality analyzers; and, use tools to perform manual maintenance operations.

SPECIAL REQUIREMENTS:

Possession of or ability to obtain and maintain a Class C California driver's license. As required, possession of, or the ability to obtain, certification as a Visible Emission Evaluator by the California Air Resources Board and/or respirator certification, and/or confined space entry certification and/or hydrogen sulfide certification.

FLSA: I/II/III Exempt
I/II Flex
ETA, Unit 28

Adopted: TBD

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ATTACHMENT E

Executive Assistant/Board Clerk

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

EXECUTIVE ASSISTANT / BOARD CLERK

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under executive direction, performs varied, complex, and confidential administrative, secretarial, and office support tasks in support of the Air Pollution Control Officer (APCO) and his/her management staff; serves as the Clerk to the District Board, Hearing Board and Community Advisory Council; serves as the Fair Political Practices Commission Filing Official; may supervise clerical staff; and performs related work as required.

CLASS CHARACTERISTICS:

This is a single position class responsible for administration of the Clerk of the Board's function and for providing complex administrative assistance to the APCO, Board of Directors and other District committees and requires frequent use of tact, discretion, independent judgment, knowledge of District activities, policies and procedures, and the ability to conduct independent projects. The APCO carries the title of Clerk of the Board, however, the incumbent is responsible for all day-to-day activities in that area. This class is differentiated from other clerical classes in that the nature, scope, and diversity of responsibilities require a broader understanding of District functions and by the direct support this position provides to the APCO, management staff and policymaking bodies.

ESSENTIAL FUNCTIONS: *(including, but are not limited to, the following)*

- Acts as Clerk of the Board for the District Board of Directors; coordinates preparation and distribution, as well as public noticing of Board and committee agenda materials as required by law and District policies, including review of items to ensure submittals are complete and in compliance with established procedures; arranges for videotaping of meetings; coordinates and attends Board meetings; composes resolutions; composes minutes for approval at next meeting; identifies and obtains appropriate signatures for documents that are a part of the record of proceeding; composes correspondence to affected parties; codes documents for filing; certifies and maintains official records.

- Acts as Clerk of the Board for the District Hearing Board; receives petitions for permit variances and other Hearing Board related petitions as allowed by Health and Safety Code; coordinates preparation and distribution, as well as public noticing of agenda materials as required by law and District policies, including review of items to ensure submittals are complete and in compliance with established procedures; arranges for audio taping of meetings; coordinates and attends Hearing Board meetings; composes minutes for approval at next meeting; identifies and obtains appropriate signatures for documents that are a part of the record of proceeding, including Findings and Orders granted at meetings; notifies by mail affected petitioners, State, and Federal agencies; certifies and maintains official records.

- Acts as Clerk of the Board for the Community Advisory Council (CAC); coordinates preparation and distribution, as well as public noticing of agenda materials as required by law and District policies, including review of items to ensure submittals are complete and in compliance established procedures; arranges for audio taping of meetings; coordinates and attends CAC meetings; composes minutes for approval at next meeting; maintains official records.

- Provides direct and confidential secretarial support to the APCO with a variety of administrative tasks using discretion and independent judgment in accordance with general direction; receives visitors and answers phones; maintains calendar and schedules appointments with public officials, industry representatives, other public agencies and staff; makes travel and meeting arrangements.

- May provide administrative support and assistance with special projects for staff in other divisions.

- Serves on a variety of committees as assigned; conducts research and provides recommendations regarding project activity.

- Updates District website with information such as meeting agenda material and notices.

- Serves as the District's Fair Political Practices Commission (FPPC) Filing Official; maintains and prepares the District's Conflict of Interest Statements; disseminates forms and information to Board members, Hearing Board members, and designated staff regarding conflict of interest; checks signatures for accuracy and forwards information to FPPC by required deadlines; maintains copies of all filings as the District's official records.

- Purchases various supplies for District, Board and committee meetings; coordinates travel, training, professional memberships and subscriptions as necessary.

- Oversees the District records management function; maintains an up-to-date file index and system for archived files; coordinates with all District divisions to ensure the records retention schedule is followed and records scheduled for disposal are done so in an appropriate manner.

- Drafts, reviews and maintains multiple administrative policies and procedures.

- Prepares correspondence from verbal instruction or hand-written copy, or initiates routine correspondence in accordance with established policy; prepares complex reports, documents, or other materials, or compiles and types reports from a variety of sources; facilitates transmission to other offices and agencies.

- Responds to inquiries from the public and District employees; provides explanation of District procedures requiring understanding of policies and regulations, or refers inquiries to the appropriate authority.

- Maintains record of and retrieves archived Board, Hearing Board and CAC documents; sorts, files, and processes a variety of documents; maintains log of staff offices and keys; performs a variety of clerical tasks including typing, proofreading, filing, editing, and copying a variety of materials; operates office machines, including computer terminals, typewriters, and calculators.

- Establishes positive working relationships with representatives from outside organizations, State/local agencies and associations, District management and staff, Board and committee members, and the public in general.

- May supervise clerical staff; assists in the coordination of work of clerical support staff with divisions; assists in selecting employees; plans, organizes, and assigns work; develops and establishes work methods and standards; conducts or directs staff training and development; reviews and evaluates employee performance; recommends disciplinary action.

- Performs other duties as assigned.

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. Position also requires grasping, repetitive hand movement, and fine coordination in writing, preparing statistical reports, and evaluating data using a computer keyboard. Additionally the position requires near vision when reading correspondence and statistical data on the computer, and acute hearing when providing telephone service and communicating in person. The need to lift, drag and push files, computer reports or other materials weighing up to 25 pounds may be required.

QUALIFICATIONS GUIDELINES: *(The following are minimal qualifications necessary for entry into the classification)*

Education and/or Experience

Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance. Example combinations include:

Equivalent to graduation from high school and four years of increasingly responsible administrative support experience, including experience working on items of a highly sensitive nature and contact with the public, and including or supplemented by specialized training in the clerical/secretarial occupational field as well as experience with public policy making bodies and/or Clerk of the Board activities. An Associate's degree in business administration or a related field may substitute for two (2) years of the required experience (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

KNOWLEDGE/ABILITIES/SKILLS: *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

Knowledge of:

Applicable Federal, State, and local laws, codes, regulations, rules, policies and procedures governing program operations, including the Ralph M. Brown Act and Roberts Rules of Order; modern office equipment including a computer and applicable software; methods and techniques for basic report and agenda preparation, writing, record keeping and minute taking; basic math; District procedures and operations; Board, Hearing Board and CAC meeting process and protocol; basic organization and functions of elected officials; State filing requirements for conflict of interest forms; English usage, spelling, vocabulary, grammar, and punctuation; techniques for providing a high level of customer service by effectively dealing with the public, Board and committee members and District staff; safe work practices.

Ability to:

Exercise sound independent judgment; communicate effectively orally and in writing; read, comprehend and interpret, incorporate and utilize District rules and regulations; perform duties under specific deadlines and with constant interruptions which change the planned work schedule; prepare clear, concise, and complete meeting minutes, documentation, and other reports and correspondence; develop and implement operation tracking and control procedures; collect and analyze data to establish/identify needs and evaluate program effectiveness; interpret administrative directions and incorporate into operational policy and procedure; access, organize and manage various electronic and manual filing systems; proofread and/or edit for errors in spelling, grammar, punctuation and/or mathematical computations; maintain confidentiality of information; deal with sensitive and political issues; follow written and oral directions; follow safe

work practices; organize and prioritize work assignments; use initiative; establish and maintain effective working relationships; perform in stressful situations; demonstrate tact and diplomacy.

Skill to:

Accurately record motions and votes during meetings; multitask with high efficiency; operate personal computer and a variety of software applications; operate standard office equipment, including keyboarding at 50 WPM.

SPECIAL REQUIREMENTS:

Must be available to work evenings as needed. Possession of or ability to obtain and maintain a Class C California driver's license.

FLSA: Non-Exempt
Confidential/Unrepresented, Unit 32

Adopted: TBD

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ATTACHMENT F

Human Resources Analyst I/II

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

HUMAN RESOURCES ANALYST I/II

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications may not include all duties performed by individuals within a classification. In addition, specifications are intended to outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.

DEFINITION:

Under general supervision (I), and limited supervision (II), performs a variety of professional and analytical Human Resources functions including payroll, benefits, recruitment, testing and selection, classification and compensation, discipline, grievances, investigations, employee relations, and employee training. Individuals in the II classification may act as a lead and/or supervise a special program/project.

CLASS CHARACTERISTICS:

Incumbents of this professional series perform increasingly difficult and complex human resources-related analysis tasks, conducts studies, and coordinates projects. The I and II levels are both at the journey level. A distinguishing characteristic between the I and II is a combination of scope, significance and independence of the work performed and the level at which they are performing.

These positions report to the Division Manager in the Administrative Division.

ESSENTIAL FUNCTIONS: *(including, but are not limited to, the following)*

- Plan and conduct recruitments for a wide variety of clerical, trades, technical, paraprofessional, professional, extra-help, and supervisory and managerial job classes.
- Perform a variety of analytical and technical tasks involved in the human resources function including recruitment, testing and selection, classification and compensation, discipline, grievances, investigations, labor relations support, employee relations, benefits administration, and employee training
- Create and amend job announcements, brochures, advertisements, and correspondence based on input received from divisional management and supervisor staff.
- Review and evaluate employment applications for minimum employment standards; review and compile test results; contact candidates and schedule appointments; may participate in interview process; prepare and send out notices in accordance with Civil Service Rules pertaining to recruitment activities.
- Assist in the development and preparation of written and oral performance exams.
- Analyze and prepare salary and benefit reports from a variety of sources including but not limited to websites, phone interviews, and published studies.
- Complete special projects relating to a variety of labor relations, risk management, and personnel management activities including coordinating the District's monthly safety program, and tracking staff evaluations and office inspections.
- Interpret District policies and procedures, Civil Service Rules, and Memoranda of Understanding to District employees and managers, members of the public, and applicants.

- Participate in various workshops and trainings; stay abreast of new trends and innovations in the field of Human Resources Management.
- Research and assess the impact of new or revised legislation; recommend changes to District policies; collect and analyze statistical data.
- Provide support for labor relations activities including collecting data, preparing reports, taking minutes, and responding to information requests.
- Administer and conduct new hire orientations; identify and collect background information; gather and assemble required information for input into HR and Payroll personnel and medical files.
- Receive, review and process payroll records, documentation, leave requests; audit documents for completeness, accuracy and conformance with Federal, State and District regulations, policies and procedures.
- Administer bi-weekly payroll, employee reimbursement program for approved employee-related training and travel expenses. Prepare deposits for employee payments, Federal and State taxes, third party payments and retirement contributions.
- Prepare a variety of reports for Federal and State tax payments, Workers' Compensation premium payments and Workers' Compensation audit.
- Administer District benefit programs and conducts annual open enrollment; process all changes related to annual benefit election changes as well as any mid-year changes; compile benefit data and prepare summary reports.
- Respond to staff inquires for information regarding payroll and benefits.
- Administer employee leave programs and notices required under State and Federal regulations including Workers' Compensation, FMLA, California Pregnancy Leaves, COBRA, and Medicare.
- Administer and track employee leave time under Federal and State leave regulations.
- Coordinate with employee and department representatives relative to reasonable accommodations to comply with Federal law.
- Reconcile bills from service providers to District records and prepares claims for payment; work with District employees and insurance companies to facilitate resolution of problems; prepare agendas and takes minutes for group health committees, labor management collaborative groups, and negotiations with bargaining groups.
- Updates the Human Resources webpages on both the external and internal District websites.
- Analyze and review District classifications; and prepare desk audits and/or position studies, make recommendations on changes and update and maintain class specifications.
- Investigate discrimination and harassment complaints accordingly and ensure established procedures are in compliance with applicable laws. Analyze findings, document, process and make recommendations.
- Perform related duties as assigned and as required to fulfill the essential functions of the position.

KNOWLEDGE/ABILITIES/SKILLS: *(The following are a representative sample of the KAS's necessary to perform essential duties of the position)*

Knowledge of:

Fundamental principles and practices used in public personnel management including job and position analysis; recruitment and selection; principles and practices of human resources management and benefit administration; affirmative action; classification and compensation; employee and labor relations; complaint investigations; compensation and employee benefits; performance planning and appraisal; negotiating techniques and costing; modern trends in human resource program development; principles of organizational and administrative research, analysis and methodology; report writing methods and practices; management and organizational analysis and design; a general knowledge of Federal, State and Local laws, regulations and standards pertaining to equal employment opportunity, fair labor standards, affirmative action, diversity and inclusion, labor relations, employee benefits, Workers' Compensation, and safety.

Ability to:

Communicate effectively orally and in writing; prepare clear, complete, and technically accurate reports; organize, analyze data related to human resources issues; prepare and present data in a logical format; identify, research and solve personnel management problems; maintain confidentiality of information contained in employee personnel files, medical files, and disciplinary meetings; exercise sound independent judgment and initiative within established guidelines; read and understand District policies and procedures and applicable Local, State and Federal legislation; perform multiple tasks and meet numerous deadlines; form conclusions and make sound decisions; exercise tact and diplomacy in dealing with sensitive and complex personnel issues and employee situations; establish and maintain effective working relationships.

Skill to:

Operate standard office computer equipment and a variety of word processing, data management and other software applications.

QUALIFICATION GUIDELINES: *(The following are minimal qualifications necessary for entry into the classification)*

Education and/or Experience

Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance. Example combinations include:

Human Resources Analyst I Two years of professional Human Resources experience including some experience in governmental agencies or any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance.

Human Resources Analyst II Successful completion of an equivalent of 30 units from an accredited learning institution in the disciplines of human resources management including recruitment and selection, organization and employee development, benefits, compensation, labor relations and diversity and inclusion, or a closely related field; two years equivalent experience as a Human Resources Analyst I; **and** one additional year of increasingly responsible professional experience performed in an independent manner that provides the required knowledge, skills and abilities to perform the essential duties of the position. A bachelor's degree in any of the preferred disciplines may be substituted for one year of experience (Applicants who are currently in their final year of study leading to the required degree are encouraged to apply. Such applicants may compete in the examination and departmental selection processes but may not begin employment in a position until they have attained the required degree).

WORKING CONDITIONS:

Position requires prolonged sitting, standing, walking, reaching, twisting, turning, kneeling, bending, squatting, and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement, and fine coordination in writing, preparing statistical reports, and evaluating data using a computer keyboard. Additionally, the position requires near vision when reading correspondence and statistical data on the computer, and acute hearing when providing telephone service and communicating in person. The need to lift, drag and push files, displays or other materials weighing up to 25 pounds may be required.

SPECIAL REQUIREMENTS:

Possession of or ability to obtain and maintain a Class C California driver's license.

FLSA: Non-Exempt
I/II Flex
Confidential/Unrepresented, Unit 32

Adopted: TBD

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Agenda Item: D-5
Agenda Date: March 16, 2023
Agenda Placement: Admin
Estimated Time: N/A
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Lorena Saldana, Executive Assistant/Board Clerk, (805) 979-8282

SUBJECT: Minutes of the October 13, 2022, November 10, 2022, December 8, 2022, January 6, 2023, and February 2, 2023 Special Meetings of the Community Advisory Council

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RECOMMENDATION:

Receive and file minutes of the October 13, 2022, November 10, 2022, December 8, 2022, January 6, 2023, and February 2, 2023 Special Meetings of the Community Advisory Council.

DISCUSSION:

The District Community Advisory Council (CAC) was formed by Resolution No. 94-281 adopted by the Board of Supervisors on May 24, 1994. The CAC is governed by a Charter and By-Laws and its membership consists of members of the community, appointed by individual District Board members. The CAC provides advice to the Air Pollution Control Officer (APCO) and the District Board of Directors in matters related to attainment and maintenance planning, development and promulgation of air pollution control rules and related policy issues. The recommendations of the CAC are advisory in nature and neither the APCO nor the Board is bound by CAC recommendations.

The CAC is scheduled to meet the fourth Wednesday of each month, on an as-needed basis when there are matters to be reviewed. Per the CAC By-Laws, if there are no planning or rulemaking matters to discuss, District staff provides quarterly updates to the CAC. The quarterly status updates are available on the APCD website.

Attached are the minute summaries of the October 13, 2022, November 10, 2022, December 8, 2022, January 6, 2023, and February 2, 2023 special meetings. The CAC approved the meeting minutes at their February 22, 2023, meeting. We provide such minutes to your Board after their approval by the CAC members.

Aeron Arlin Genet, Air Pollution Control Officer
(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

ATTACHMENT:

A. October 13, 2022 CAC Special Meeting Minutes.
B. November 10, 2022 CAC Special Meeting Minutes.
C. December 8, 2022 CAC Special Meeting Minutes.
D. January 6, 2023 CAC Special Meeting Minutes.
E. February 2, 2023 CAC Special Meeting Minutes.

ATTACHMENT A

Community Advisory Council Special Meeting Minutes
October 13, 2022

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Community Advisory Council

Meeting Minutes
(Official)

Special Meeting
October 13, 2022

REMOTE VIRTUAL PUBLIC PARTICIPATION ONLY

The California State Legislature recently passed, and the Governor signed, Assembly Bill 361 (Rivas, 2021), which amends the Government Code to allow Brown Act bodies to continue to meet remotely if certain elements are met. The Santa Barbara County Air Pollution Control District's Community Advisory Council meeting will temporarily be conducted via video conferencing and telephone.

A. Convene

The special meeting was called to order at 4:01 p.m

B. Roll Call

Present: 9 - D. Davis, Dunn, Heller, Lopez, Oakley, Reaves, Savinsky , Westhaus, Wilson.

Absent: 10 - Beebe, K. Davis, Dugger, Fullerton, Kass, Lewis, Nuzzo, Oliver, Surmeier, Taylor.

Staff: 5 - Aeron Arlin Genet, Alex Economou, Jim Fredrickson, Tim Mitro, and Lorena Saldana.

C. Reconsider the Circumstances of the COVID-19 State of Emergency

1. Reconsider the circumstances of the COVID-19 state of emergency;
2. Consider whether state or local officials continue to impose or recommend measures to promote social distancing;
3. Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and
4. Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).

A motion was made by Dave Davis, seconded by Lee Heller, that the CAC has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

Ayes: 9 - D. Davis, Dunn, Heller, Lopez, Oakley, Reaves, Savinsky, Westhaus, Wilson.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 10 - Beebe, K. Davis, Dugger, Fullerton, Kass, Lewis, Nuzzo, Oliver, Surmeier, Taylor.

D. Public Comment Period – *Persons desiring to address the CAC on any subject within the jurisdiction of the CAC not included as part of the agenda may do so at this time.*

There were no public comments.

E. Approval of Minutes of the June 22, 2022, July 21, 2022, August 17, 2022, and September 15, 2022 special meetings.

A motion was made by Lee Heller, seconded by Dave Davis to approve the all minutes as submitted. The motion carried by the following vote.

Ayes: 9 - D. Davis, Dunn, Heller, Lopez, Oakley, Reaves, Savinsky, Westhaus, Wilson.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 10 - Beebe, K. Davis, Dugger, Fullerton, Kass, Lewis, Nuzzo, Oliver, Surmeier, Taylor.

F. Organization of Agenda

There was no change to the organization of the agenda**.**

G. APCO Report

Received report.

H. NEW BUSINESS – *Declaration of Interest to be conducted prior to each item.*

H-1) *Discuss and consider proposed Community Advisory Council Charter and By-Laws updates.*

Following discussion, a motion was made by Ben Oakley, seconded by Michael Lopez to recommend that the District Board of Directors adopt the proposed Charter and By-Laws including additional changes proposed by the CAC for additional clarification. The motion carried by the following vote.

Ayes: 9 - D. Davis, Dunn, Heller, Lopez, Oakley, Reaves, Savinsky, Westhaus, Wilson.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 10 - Beebe, K. Davis, Dugger, Fullerton, Kass, Lewis, Nuzzo, Oliver, Surmeier, Taylor.
Interest: 0 - None.

H-2) *Discuss and consider recommending that the APCD Board of Directors adopt the 2022 Ozone Plan.*

Following discussion, a motion was made by Lee Heller, seconded by Dave Davis to recommend that the District board of Directors adopt the 2022 Ozone Plan. The motion carried by the following vote.

Ayes: 9 - D. Davis, Dunn, Heller, Lopez, Oakley, Reaves, Savinsky, Westhaus, Wilson.
Noes: 0 - None.
Abstain: 0 - None.
Absent: 10 - Beebe, K. Davis, Dugger, Fullerton, Kass, Lewis, Nuzzo, Oliver, Surmeier, Taylor.
Interest: 2 - Savinsky, Wilson.

I. Adjourn

The meeting was adjourned at 5:30 p.m.

COMMUNITY ADVISORY COUNCIL

ATTENDANCE – 2022

A Quorum of the CAC shall be a majority of the appointed members minus one. Vacant positions shall not count toward a quorum.

NAME	Appointing Board Member	JAN[1] 26	FEB[1] 23	MAR[1] 23	APR 27	MAY[1] 25	May ♦ 26	JUN 22	JUL ♦ 21	JUL[1] 27	AUG♦ 17	AUG[1] 24	SEP♦ 15	SEP[1] 28	OCT♦ 13	OCT 26	NOV 23	DEC
Dennis Beebe	Infanti				Yes		No	No	Yes		Yes		Yes		No			
Janet Blevins	Hartmann				Yes		No	Yes	No		No		No		*			
Dave Davis	Hart				Yes		Yes	Yes	Yes		Yes		Yes		Yes			
Katie Davis	Rowse				Yes		Yes	No	No		Yes		No		No			
Cliff Dugger	Nelson				Yes		Yes	No	Yes		Yes		Yes		No			
Matt Dunn	Perotte				No		Yes	Yes	No		No		Yes		Yes			
Jennifer Fullerton	Perotte				Yes		Yes	No	Yes		Yes		Yes		No			
Lee Heller	Hart				*		No	Yes	No		Yes		Yes		Yes			
Dillon Kass	Patino				Yes		Yes	No	Yes		No		Yes		No			
Donna Lewis	Williams				No		No	Yes	Yes		Yes		No		No			
Michael Lopez	Clark				No		Yes	Yes	Yes		Yes		Yes		Yes			
Laura Nuzzo	Nelson				Yes		Yes	Yes	Yes		No		Yes		No			
Ben Oakley	Lavagnino				Yes		Yes	No	Yes		No		Yes		Yes			
Glenn Oliver	Sierra				Yes		Yes	No	No		Yes		Yes		No			
John Reaves	Hartmann				Yes		Yes	No	No		Yes		Yes		Yes			
David Savinsky	Sierra				Yes		Yes	Yes	Yes		Yes		Yes		Yes			
Patrice Surmeier	Julian				Yes		Yes	No	Yes		Yes		Yes		No			
Jim Taylor	Clark				Yes		No	Yes	Yes		Yes		Yes		No			
Randy Westhaus	Patino				Yes		Yes	Yes	No		No		Yes		Yes			
Murry Wilson	Julian				Yes		Yes	Yes	No		No		Yes		Yes			
Members Present					16		15	11	12		13		17		9			
Members Absent					3		5	9	8		7		3		10			

1 There was no CAC meeting.

** Not yet appointed/resigned/inactive/term ended*

♦ *Special Meeting – COVID-19 Reconsideration*

ATTACHMENT B

Community Advisory Council Special Meeting Minutes
November 10, 2022

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Community Advisory Council

Meeting Minutes
(Official)

Special Meeting
November 10, 2022

REMOTE VIRTUAL PUBLIC PARTICIPATION ONLY

The California State Legislature recently passed, and the Governor signed, Assembly Bill 361 (Rivas, 2021), which amends the Government Code to allow Brown Act bodies to continue to meet remotely if certain elements are met. The Santa Barbara County Air Pollution Control District's Community Advisory Council meeting will temporarily be conducted via video conferencing and telephone.

A. Convene

The special meeting was called to order at 4:01 p.m

B. Roll Call

Present: 10 - Beebe, Fullerton, Kass, Lopez, Nuzzo, Oakley Savinsky, Surmeier, Westhaus, Wilson.

Absent: 10 - Blevins, D. Davis, K. Davis, Dugger, Dunn, Heller, Lewis, Oliver, Reaves, Taylor.

Staff: 2 - Aeron Arlin Genet, Lorena Saldana.

C. Public Comment Period – *Persons desiring to address the CAC on any subject within the jurisdiction of the CAC not included as part of the agenda may do so at this time.*

There were no public comments.

D. Reconsider the Circumstances of the COVID-19 State of Emergency

1. Reconsider the circumstances of the COVID-19 state of emergency;
2. Consider whether state or local officials continue to impose or recommend measures to promote social distancing;
3. Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and
4. Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).

A motion was made by Jennifer Fullerton, seconded by Michael Lopez that the CAC has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

Ayes:	10 -	Beebe, Fullerton, Kass, Lopez, Nuzzo, Oakley, Savinsky, Surmeier, Westhaus, Wilson.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	10 -	Blevins, D. Davis, K. Davis, Dugger, Dunn, Heller, Lewis, Oliver, Reaves, Taylor.

E. Adjourn

The meeting was adjourned at 4:05 p.m.

COMMUNITY ADVISORY COUNCIL

ATTENDANCE – 2022

A Quorum of the CAC shall be a majority of the appointed members minus one. Vacant positions shall not count toward a quorum.

NAME	Appointing Board Member	JAN[1] 26	FEB[1] 23	MAR[1] 23	APR 27	MAY[1] 25	May♦ 26	JUN 22	JUL♦ 21	JUL[1] 27	AUG♦ 17	AUG[1] 24	SEP♦ 15	SEP[1] 28	OCT♦ 13	OCT[1] 26	Nov♦ 10	NOV 23	DEC 28
Dennis Beebe	Infanti				Yes		No	No	Yes		Yes		Yes		No		Yes		
Janet Blevins	Hartmann				Yes		No	Yes	No		No		No		*		No		
Dave Davis	Hart				Yes		Yes	Yes	Yes		Yes		Yes		Yes		No		
Katie Davis	Rowse				Yes		Yes	No	No		Yes		No		No		No		
Cliff Dugger	Nelson				Yes		Yes	No	Yes		Yes		Yes		No		No		
Matt Dunn	Perotte				No		Yes	Yes	No		No		Yes		Yes		No		
Jennifer Fullerton	Perotte				Yes		Yes	No	Yes		Yes		Yes		No		Yes		
Lee Heller	Hart				*		No	Yes	No		Yes		Yes		Yes		No		
Dillon Kass	Patino				Yes		Yes	No	Yes		No		Yes		No		Yes		
Donna Lewis	Williams				No		No	Yes	Yes		Yes		No		No		No		
Michael Lopez	Clark				No		Yes	Yes	Yes		Yes		Yes		Yes		Yes		
Laura Nuzzo	Nelson				Yes		Yes	Yes	Yes		No		Yes		No		Yes		
Ben Oakley	Lavagnino				Yes		Yes	No	Yes		No		Yes		Yes		Yes		
Glenn Oliver	Sierra				Yes		Yes	No	No		Yes		Yes		No		No		
John Reaves	Hartmann				Yes		Yes	No	No		Yes		Yes		Yes		No		
David Savinsky	Sierra				Yes		Yes	Yes	Yes		Yes		Yes		Yes		Yes		
Patrice Surmeier	Julian				Yes		Yes	No	Yes		Yes		Yes		No		Yes		
Jim Taylor	Clark				Yes		No	Yes	Yes		Yes		Yes		No		No		
Randy Westhaus	Patino				Yes		Yes	Yes	No		No		Yes		Yes		Yes		
Murry Wilson	Julian				Yes		Yes	Yes	No		No		Yes		Yes		Yes		
Members Present					16		15	11	12		13		17		9		10		
Members Absent					3		5	9	8		7		3		10		10		

1 There was no CAC meeting.

** Not yet appointed/resigned/inactive/term ended*

♦ *Special Meeting*

ATTACHMENT C

Community Advisory Council Special Meeting Minutes
December 8, 2022

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Community Advisory Council

Meeting Minutes
(Official)

Special Meeting
December 8, 2022

REMOTE VIRTUAL PUBLIC PARTICIPATION ONLY

The California State Legislature recently passed, and the Governor signed, Assembly Bill 361 (Rivas, 2021), which amends the Government Code to allow Brown Act bodies to continue to meet remotely if certain elements are met. The Santa Barbara County Air Pollution Control District's Community Advisory Council meeting will temporarily be conducted via video conferencing and telephone.

A. Convene

The special meeting was called to order at 4:00 p.m

B. Roll Call

Present:	14 -	Beebe, Blevins, D. Davis, Dugger, Fullerton, Heller, Lopez, Nuzzo, Oakley, Oliver, Reaves, Surmeier, Taylor, Wilson (arrived at approx. 4:04 pm).
Absent:	4 -	Dunn, Kass, Savinsky, Westhaus.
Staff:	2 -	Aeron Arlin Genet, Lorena Saldana.

C. Public Comment Period – *Persons desiring to address the CAC on any subject within the jurisdiction of the CAC not included as part of the agenda may do so at this time.*

There were no public comments.

D. Reconsider the Circumstances of the COVID-19 State of Emergency

1. Reconsider the circumstances of the COVID-19 state of emergency;
2. Consider whether state or local officials continue to impose or recommend measures to promote social distancing;
3. Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and
4. Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).

A motion was made by Dennis Beebe, seconded by Michael Lopez that the CAC has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

Ayes:	14 -	Beebe, Blevins, D. Davis, Dugger, Fullerton, Heller, Lopez, Nuzzo, Oakley, Oliver, Reaves, Surmeier, Taylor, Wilson.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	4 -	Dunn, Kass, Savinsky, Westhaus.

E. Adjourn

The meeting was adjourned at 4:06 p.m.

COMMUNITY ADVISORY COUNCIL

ATTENDANCE – 2022

A Quorum of the CAC shall be a majority of the appointed members minus one. Vacant positions shall not count toward a quorum.

NAME	Appointing Board Member	JAN[1] 26	FEB[1] 23	MAR[1] 23	APR 27	MAY[1] 25	May♦ 26	JUN 22	JUL♦ 21	JUL[1] 27	AUG♦ 17	AUG[1] 24	SEP♦ 15	SEP[1] 28	OCT♦ 13	OCT[1] 26	NOV♦ 10	NOV[1] 23	DEC♦ 8♦	DEC 28
Dennis Beebe	Infanti				Yes		No	No	Yes		Yes		Yes		No		Yes		Yes	
Janet Blevins	Hartmann				Yes		No	Yes	No		No		No		*		No		Yes	
Dave Davis	Hart/Capps				Yes		Yes	Yes	Yes		Yes		Yes		Yes		No		Yes	
Katie Davis	Rowse				Yes		Yes	No	No		Yes		No		No		No		*	
Cliff Dugger	Nelson				Yes		Yes	No	Yes		Yes		Yes		No		No		Yes	
Matt Dunn	Perotte				No		Yes	Yes	No		No		Yes		Yes		No		No	
Jennifer Fullerton	Perotte				Yes		Yes	No	Yes		Yes		Yes		No		Yes		Yes	
Lee Heller	Hart/Capps				*		No	Yes	No		Yes		Yes		Yes		No		Yes	
Dillon Kass	Patino				Yes		Yes	No	Yes		No		Yes		No		Yes		No	
Donna Lewis	Williams				No		No	Yes	Yes		Yes		No		No		No		*	
Michael Lopez	Clark				No		Yes	Yes	Yes		Yes		Yes		Yes		Yes		Yes	
Laura Nuzzo	Nelson				Yes		Yes	Yes	Yes		No		Yes		No		Yes		Yes	
Ben Oakley	Lavagnino				Yes		Yes	No	Yes		No		Yes		Yes		Yes		Yes	
Glenn Oliver	Sierra				Yes		Yes	No	No		Yes		Yes		No		No		Yes	
John Reaves	Hartmann				Yes		Yes	No	No		Yes		Yes		Yes		No		Yes	
David Savinsky	Sierra				Yes		Yes	Yes	Yes		Yes		Yes		Yes		Yes		No	
Patrice Surmeier	Julian				Yes		Yes	No	Yes		Yes		Yes		No		Yes		Yes	
Jim Taylor	Clark				Yes		No	Yes	Yes		Yes		Yes		No		No		Yes	
Randy Westhaus	Patino				Yes		Yes	Yes	No		No		Yes		Yes		Yes		No	
Murry Wilson	Julian				Yes		Yes	Yes	No		No		Yes		Yes		Yes		Yes	
Members Present					16		15	11	12		13		17		9		10		14	
Members Absent					3		5	9	8		7		3		10		10		4	

1 There was no CAC meeting.

** Not yet appointed/resigned/inactive/term ended*

♦ *Special Meeting*

ATTACHMENT D

Community Advisory Council Special Meeting Minutes
January 6, 2023

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Community Advisory Council

Meeting Minutes
(Official)

Special Meeting
January 6, 2023

REMOTE VIRTUAL PUBLIC PARTICIPATION ONLY

The California State Legislature recently passed, and the Governor signed, Assembly Bill 361 (Rivas, 2021), which amends the Government Code to allow Brown Act bodies to continue to meet remotely if certain elements are met. The Santa Barbara County Air Pollution Control District's Community Advisory Council meeting will temporarily be conducted via video conferencing and telephone.

A. Convene

The special meeting was called to order at 3:00 p.m

B. Roll Call

Present:	11 -	Beebe, D. Davis, K. Davis, Dugger, Dunn, Fullerton, Heller, Oakley, Surmeier, Taylor, Westhaus.
Absent:	6 -	Blevins, Kass, Lopez, Nuzzo, Reaves, Wilson
Staff:	2 -	Aeron Arlin Genet, Lorena Saldana.

C. Public Comment Period – *Persons desiring to address the CAC on any subject within the jurisdiction of the CAC not included as part of the agenda may do so at this time.*

There were no public comments.

D. Reconsider the Circumstances of the COVID-19 State of Emergency

1. Reconsider the circumstances of the COVID-19 state of emergency;
2. Consider whether state or local officials continue to impose or recommend measures to promote social distancing;
3. Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and
4. Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).

A motion was made by Lee Heller, seconded by Dave Davis that the CAC has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

Ayes:	11 -	Beebe, D. Davis, K. Davis, Dugger, Dunn, Fullerton, Heller, Oakley, Surmeier, Taylor, Westhaus.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	6 -	Blevins, Kass, Lopez, Nuzzo, Reaves, Wilson.

E. Adjourn

The meeting was adjourned at 3:04 p.m.

COMMUNITY ADVISORY COUNCIL

ATTENDANCE – 2023

A Quorum of the CAC shall be a majority of the appointed members minus one. Vacant positions shall not count toward a quorum.

NAME	Appointing Board Member	JAN♦ 6	FEB 22	MAR 22	APR 26	MAY 24	JUN 28	JUL 26	AUG 23	SEP 27	OCT 25	NOV 22	DEC 27
Dennis Beebe	Infanti	Yes											
Janet Blevins	Hartmann	No											
Dave Davis	Capps	Yes											
Katie Davis	Rowse	Yes											
Cliff Dugger	Nelson	Yes											
Matt Dunn	Perotte	Yes											
Jennifer Fullerton	Perotte	Yes											
Lee Heller	Capps	Yes											
Dillon Kass	Patino	No											
Michael Lopez	Clark	No											
Laura Nuzzo	Nelson	No											
Ben Oakley	Lavagnino	Yes											
John Reaves	Hartmann	No											
David Savinsky	King	*											
Patrice Surmeier	Julian	Yes											
Jim Taylor	Clark	Yes											
Randy Westhaus	Patino	Yes											
Murry Wilson	Julian	No											
Members Present		11											
Members Absent		6											

1 There was no CAC meeting.

** Not yet appointed/resigned/inactive/term ended*

♦ *Special Meeting*

ATTACHMENT E

Community Advisory Council Special Meeting Minutes
February 2, 2023

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

air pollution control district
SANTA BARBARA COUNTY

Community Advisory Council

Meeting Minutes
(Official)

Special Meeting
February 2, 2023

APCD CAC Members
Dennis Beebe
Janet Blevins
Dave Davis
Katie Davis
Cliff Dugger
Matt Dunn
Jennifer Fullerton
Lee Heller
Dillon Kass
Michael Lopez
Laura Nuzzo
Ben Oakley
John Reaves
Dave Savinsky
Patrice Surmeier,
Vice-Chair
Jim Taylor
Randy Westhaus
Murry Wilson

APCD CAC Chair:
Aeron Arlin Genet

REMOTE VIRTUAL PUBLIC PARTICIPATION ONLY

The California State Legislature recently passed, and the Governor signed, Assembly Bill 361 (Rivas, 2021), which amends the Government Code to allow Brown Act bodies to continue to meet remotely if certain elements are met. The Santa Barbara County Air Pollution Control District's Community Advisory Council meeting will temporarily be conducted via video conferencing and telephone.

A. Convene

The special meeting was called to order at 4:00 p.m

B. Roll Call

Present: 14 - Beebe (arrived at approx. 4:05 pm), D. Davis, K. Davis, Dunn, Heller, Kass, Lopez, Nuzzo, Oakley, Savinsky, Surmeier, Taylor, Westhaus, Wilson.

Absent: 4 - Blevins, Dugger, Fullerton, Reaves.

Staff: 2 - Aeron Arlin Genet, Lorena Saldana.

C. Public Comment Period – *Persons desiring to address the CAC on any subject within the jurisdiction of the CAC not included as part of the agenda may do so at this time.*

There were no public comments.

D. Reconsider the Circumstances of the COVID-19 State of Emergency

1. Reconsider the circumstances of the COVID-19 state of emergency;
2. Consider whether state or local officials continue to impose or recommend measures to promote social distancing;
3. Find that the legislative body has reconsidered the circumstances of the state of emergency, and that State or local officials continue to impose or recommend measures to promote social distancing; and
4. Direct staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3).

A motion was made by Dave Davis, seconded by Lee Heller that the CAC has reconsidered the circumstances of the state of emergency, that State or local officials continue to impose or recommend measures to promote social distancing, and directed staff to continue to notice and hold hearings as remote hearings consistent with Government Code § 54953(e)(3). The motion carried by the following vote:

(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

Ayes:	13 -	D. Davis, K. Davis, Dunn, Heller, Kass, Lopez, Nuzzo, Oakley, Savinsky, Surmeier, Taylor, Westhaus, Wilson.
Noes:	0 -	None.
Abstain:	0 -	None.
Absent:	5 -	Beebe, Blevins, Dugger, Fullerton, Reaves.

Dennis Beebe arrived at this time.

E. Adjourn

The meeting was adjourned at 4:07 p.m.

COMMUNITY ADVISORY COUNCIL

ATTENDANCE – 2023

A Quorum of the CAC shall be a majority of the appointed members minus one. Vacant positions shall not count toward a quorum.

NAME	Appointing Board Member	JAN♦ 6	FEB♦ 2	FEB 22	MAR 22	APR 26	MAY 24	JUN 28	JUL 26	AUG 23	SEP 27	OCT 25	NOV 22	DEC 27
Dennis Beebe	Infanti	Yes	Yes											
Janet Blevins	Hartmann	No	No											
Dave Davis	Capps	Yes	Yes											
Katie Davis	Rowse	Yes	Yes											
Cliff Dugger	Nelson	Yes	No											
Matt Dunn	Perotte	Yes	Yes											
Jennifer Fullerton	Perotte	Yes	No											
Lee Heller	Capps	Yes	Yes											
Dillon Kass	Patino	No	Yes											
Michael Lopez	Clark	No	Yes											
Laura Nuzzo	Nelson	No	Yes											
Ben Oakley	Lavagnino	Yes	Yes											
John Reaves	Hartmann	No	No											
David Savinsky	King	*	Yes											
Patrice Surmeier	Julian	Yes	Yes											
Jim Taylor	Clark	Yes	Yes											
Randy Westhaus	Patino	Yes	Yes											
Murry Wilson	Julian	No	Yes											
Members Present		11	14											
Members Absent		6	4											

1 There was no CAC meeting.

** Not yet appointed/resigned/inactive/term ended*

♦ *Special Meeting*

Agenda Item: G-1
Agenda Date: March 16, 2023
Agenda Placement: Regular
Estimated Time: 10 Minutes
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Kristina Aguilar, CPA, Administrative Division Manager, (805) 979-8288

SUBJECT: Status update on the Construction and Remodel of the District's North County Office Building

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RECOMMENDATION:

Receive and file an update on the construction and remodel of the District's north county office building located at 1011 West McCoy Lane, Santa Maria.

BACKGROUND:

The District purchased a small office building in northern Santa Barbara County for our north county staff in September 2021. Demolition of the interior of the building started in June 2022 and was completed in January 2023. Over the past year and a half, the District has been working with Paul Poirier + Associates Architects, County General Services, and the City of Santa Maria Planning and Development to finalize plans and cost estimates for the remodel.

DISCUSSION:

District staff will provide a status update on the construction and remodel phase of this project. The update will include a brief overview of what has been started, what has been accomplished thus far, and where the project will be headed. The District will provide your Board with an approximate timeline of project completion.

FISCAL IMPACT:

The costs for the demolition and construction were included in the Fiscal Year (FY) 2022-23 budget that was approved by your Board on June 16, 2022. Any funds earmarked for construction not used in FY 2022-23, will be rolled into the next fiscal year's budget, and brought to your Board for approval in June of 2023.

Aeron Arlin Genet, Air Pollution Control Officer
(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

Agenda Item: G-2
Agenda Date: March 16, 2023
Agenda Placement: Regular
Estimated Time: 20 minutes
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Timothy Mitro, Air Quality Engineer, Planning Division (805) 979-8329

SUBJECT: Determine that Amended Rule 333 - Reciprocating Internal Combustion Engines is No Longer Necessary to Satisfy Assembly Bill 617 Requirements

---

RECOMMENDATION:

Consider recommendations as follows:

1. Receive and file a report regarding Best Available Retrofit Control Technology (BARCT) for reciprocating internal combustion engines at Assembly Bill 617 Industrial Facilities;

2. Adopt a resolution determining that amendments to District Rule 333 are no longer necessary to implement BARCT for reciprocating internal combustion engines because the affected Assembly Bill 617 Industrial Facility has requested changes to their District Permit to Operate to directly implement BARCT no later than December 31, 2023.

BACKGROUND:

Assembly Bill (AB) 617, enacted in July 2017, has many requirements to address the disproportionate impacts of air pollution in disadvantaged communities. One of the key components of AB 617 is to reduce air pollutant emissions from facilities that participate in the California Greenhouse Gas (GHG) Cap-and-Trade system. Emissions of criteria pollutants and toxic air contaminants are often associated with large GHG-emitting sources, and these pollutants may impact local communities that are already experiencing a disproportionate burden from air pollution.

In December 2018, as required by AB 617, your Board adopted a Best Available Retrofit Control Technology (BARCT) Rule Development Schedule that included a commitment to evaluate

Aeron Arlin Genet, Air Pollution Control Officer
(805) 979-8050 | 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 | ourair.org | @OurAirSBC

BARCT for six emission source categories. BARCT is an emission limitation that is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts. To meet the BARCT emission limits, a facility may need to install new air pollution controls on their existing unit(s) or replace the unit(s) in part or in whole. The BARCT requirements only affect the following six industrial facilities in Santa Barbara County:

1) Exxon Mobil – Las Flores Canyon,
2) Exxon Mobil – Pacific Offshore Pipeline Company (POPCO),
3) Pacific Coast Energy Company (PCEC) – Orcutt Hill,
4) Cat Canyon Resources, LLC – Cat Canyon West,
5) Imerys Filtrations Minerals, Inc., and
6) Windset Farms.

Since Santa Barbara County is nonattainment for both the state ozone standard[1] and the state PM_{10} standard (particulate matter with a diameter of 10 microns or less), these industrial facilities must implement BARCT by the earliest feasible date, but no later than December 31, 2023.

To date, District staff has completed three of the six BARCT assessments that were on the Rule Development Schedule. The fourth assessment consists of evaluating BARCT for reciprocating internal combustion engines and to potentially incorporate the BARCT provisions into District Rule 333. Although there are a variety of engine configurations and fuel types, this BARCT assessment is focused on prime, spark-ignited engines that have a maximum horsepower of 50 or greater.

DISCUSSION:

Out of the six AB 617 industrial facilities in Santa Barbara County, Pacific Coast Energy Company ("PCEC") – Orcutt Hill is the only facility that currently uses prime, spark-ignited engines. PCEC - Orcutt Hill is an onshore oil and gas production and processing facility that is located approximately 2.5 miles south of Orcutt. Over the past three years, District staff and PCEC representatives have discussed the feasibility of different BARCT emission limits for the 27 large, spark-ignited engines that are used at the Orcutt Hill stationary source. During this period, PCEC conducted trials by installing catalysts and air/fuel ratio controllers on a few of their engines to determine the feasibility of the lower BARCT emission limits for their reciprocating internal combustion engines.

After the trials, District staff completed its analysis and concluded that lower oxides of nitrogen (NOx) standards are achievable for prime, spark-ignited engines at the AB 617 industrial facilities within Santa Barbara County. The BARCT emission standards are based on the requirements included in South Coast Air Quality Management District Rule 1110.2 and San Joaquin Valley Air Pollution Control District Rule 4702, and they're identified as BARCT in the

[1] In January 2023, the California Air Resources Board (CARB) took action at a public hearing to change Santa Barbara County's designation from "nonattainment" to "nonattainment-transitional" for the State ozone standard. The designation change becomes effective after the California Office of Administrative Law (OAL) reviews and approves the CARB rulemaking action.

California Air Resources Board's Technology Clearinghouse.[2] A detailed description of the technical BARCT analysis is included as Attachment A to this letter.

PCEC has also proactively decided to incorporate the BARCT standards directly into their operating permit. PCEC's commitment to perform this work is documented in the Authority to Construct permit, included as Attachment B to this letter. The equipment modifications (catalyst and air-fuel ratio controller installations) at the facility will be fully implemented no later than December 31, 2023. The District's engineering evaluation for PCEC's permit also documents the rationale for including the BARCT standards, thereby preventing the permit conditions from being removed in the future.

The proposed District Board Resolution, included as Attachment C to this letter, concludes that amendments to District Rule 333 are no longer necessary to implement BARCT for reciprocating internal combustion engines. This is because the BARCT requirements are incorporated directly into PCEC's operating permit and no other facilities in the County currently require BARCT for reciprocating internal combustion engines.

This BARCT analysis will continue to apply to PCEC's existing equipment units as well as any new units installed in the future at the site to guarantee that the NOx emissions are effectively controlled. In addition, the BARCT analysis will be forwarded to the California Air Resources Board for inclusion into their AB 617 BARCT webpage (ww2.arb.ca.gov/expedited-barct). Staff worked with District Counsel and concluded that this approach effectively satisfies the AB 617 mandate because it accomplishes the emission reduction goals of the legislation.

IMPACTS TO THE REGULATED COMMUNITY:

The implementation of BARCT will affect reciprocating internal combustion engines at PCEC's oil and gas processing facility. The facility has chosen to retrofit the affected engines with catalytic converters and air-fuel ratio controllers to bring the facility operations up to current control technology standards and to comply with state legislation. The capital costs are estimated to be approximately $60,000 per engine while the ongoing maintenance and monitoring costs are estimated to be $12,000 per engine per year.

By using the emission controls, the facility will reduce their NOx emissions by approximately 73 tons per year, which represents a 6% reduction from the District's stationary source emission inventory for NOx. The cost-effectiveness for this assessment is approximately $6,800 per ton of NOx reduced. This cost-effectiveness value is within the range of previously adopted prohibitory rules, and so this BARCT assessment is considered to be cost-effective.

DISTRICT BUDGET IMPACTS:

The costs for the permitting and compliance activities by District staff are included in the budget approved by your Board. There are no additional fiscal impacts.

[2] https://ww2.arb.ca.gov/current-air-district-rules

PUBLIC REVIEW:

A Community Advisory Council (CAC) meeting was held on February 22, 2023 to present, discuss, and hear comments on the draft BARCT analysis. To inform the public about the meeting, District staff e-mailed a notice to everyone who subscribed to the District's electronic noticing subscription list. Staff also directly notified the six AB 617 Industrial Facilities about the meeting.

In accordance with Assembly Bill 361, the CAC meeting was held virtually. District staff prepared a 15-minute presentation on the key points of the analysis, and a representative from PCEC commented on their experience with the BARCT project. Staff then answered the questions from CAC members, covering topics such as the source testing provisions, the implementation timeline, and the estimated costs for the project. After all questions were answered, the CAC received and filed the draft BARCT analysis.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA):

The proposed action for the Board of Directors is to determine that a rule development proceeding for reciprocating internal combustion engines is no longer necessary to satisfy the AB 617 BARCT requirements. Staff has concluded that this action is not a project subject to CEQA because it will not cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment [Public Resources Code §21065 and State CEQA Guidelines §15378(b)(5)].

ATTACHMENTS:

A. Assembly Bill 617 BARCT Analysis for Reciprocating Internal Combustion Engines.
B. PCEC Authority To Construct Permit #15974.
C. District Board Resolution for Assembly Bill 617 – Reciprocating Internal Combustion Engines.

ATTACHMENT A

Assembly Bill 617 BARCT Analysis for Reciprocating Internal Combustion Engines

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

SANTA BARBARA COUNTY
AIR POLLUTION CONTROL DISTRICT

Assembly Bill 617 –
BARCT Analysis for Reciprocating Internal Combustion Engines

Date: March 8, 2023

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Our Mission

Our mission is to protect the people and the environment of Santa Barbara County from the effects of air pollution.

TABLE OF CONTENTS

1. BACKGROUND

1.1 Ozone and Health

Ground level ozone is a secondary pollutant formed from photochemical reactions of the precursor pollutants oxides of nitrogen (NOx) and reactive organic compounds (ROC) in the presence of heat and sunlight. Both short-term and long-term exposure to ozone can cause a number of health effects in broad segments of the population. Ozone can damage the respiratory system, causing inflammation and irritation, or symptoms such as coughing and wheezing. High levels of ozone are especially harmful for children, the elderly, and people with asthma or other respiratory problems. Ground-level ozone also impacts the economy by increasing hospital visits and medical expenses, loss of work time due to illness, and by damaging agricultural crops. Santa Barbara County is currently designated as nonattainment for the state ozone standards.

1.2 Reciprocating Internal Combustion Engines

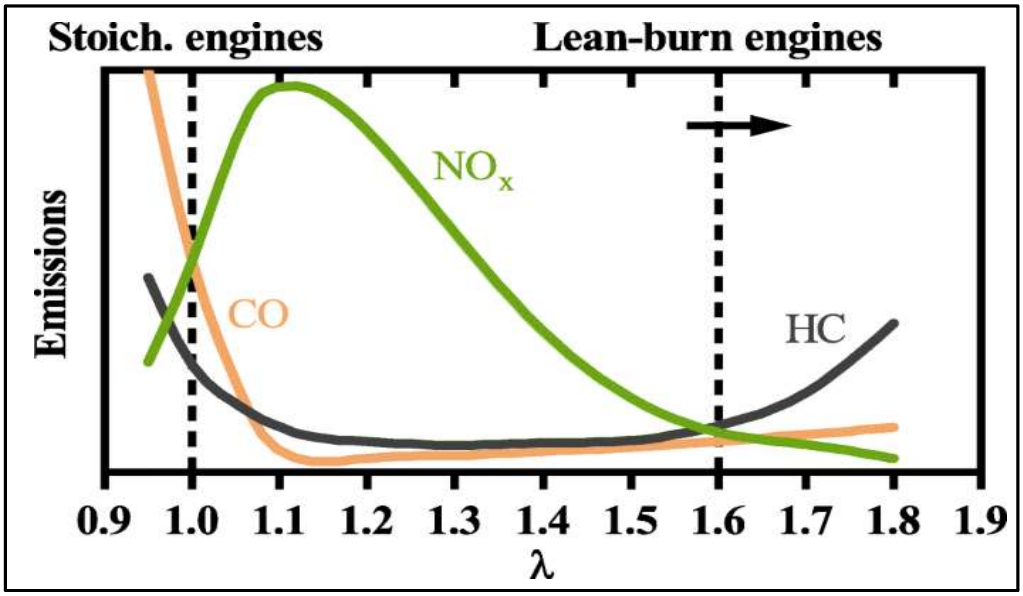
Reciprocating internal combustion engines are engines that utilize the combustion of an air/fuel mixture inside enclosed cylinders in order to produce mechanical power. These engines are used for various functions such as generating electricity, operating water pumps, pumping oil from wells, and compressing gas. Depending on the fuel burned and the combustion method, the engines can be categorized as either compression ignition (CI) or spark-ignition (SI) engines. Compression ignition engines are typically fired on diesel fuel, and there are emission and operational limitations for these engines due to the state's Airborne Toxic Control Measures (ATCMs). Spark-ignited internal combustion engines burn fuels such as natural gas, field gas, propane, or landfill gases. An example of a spark-ignited engine at an oil well is shown below in Figure 1.1.

Figure 1.1 – Reciprocating Internal Combustion Engine

For spark-ignited engines, an important distinction is whether it is operating as a rich-burn or a lean-burn engine. Rich-burn engines are operated at or near stoichiometric conditions. On Figure 1.2 below, stoichiometric conditions are represented by a lambda (λ) value of 1.0. At this

lambda value of 1.0, the air/fuel ratio provides exactly enough oxygen for the complete combustion of the fuel. As for lean-burn engines, they are operated with excess air, which typically has a lambda value around 1.6. When lean-burn engines operate with excess air, they can have increased fuel efficiency while reducing the amount of pollution emitted (before taking into account any additional control strategies). The excess air effectively reduces the combustion process temperature, which reduces the formation of NOx.

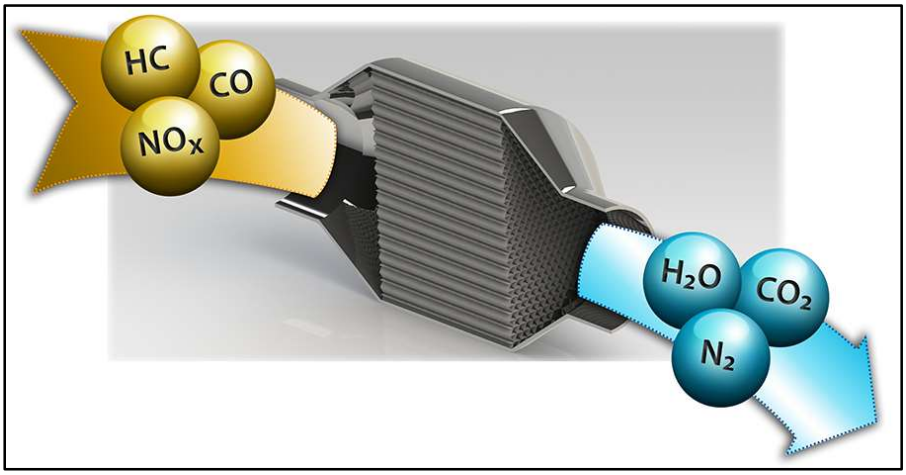
Figure 1.2 – Stoichiometry and the Effect of Air/Fuel Ratio on Pollutants



1.3 Non-Selective Catalytic Reduction (NSCR)

NSCR is a common air pollution control system used to reduce the emissions from rich-burn engines. These systems are referred to as "3-way catalyst" systems because they use precious metal catalyst to convert NOx, carbon monoxide (CO), and hydrocarbons (HC, including ROCs) to nitrogen (N_2), carbon dioxide (CO_2), and water vapor. When an NSCR catalyst is properly installed and maintained, pollutant concentrations can be reduced by more than 90 percent for NOx, 80 percent for CO, and 50 percent for ROC. An example of an NSCR catalyst is shown below in Figure 1.3.

Figure 1.3 – NSCR Catalyst



For an NSCR system to effectively control all 3 pollutants, the catalyst must operate in a narrow air/fuel ratio band that is close to stoichiometric conditions. Hence, NSCR is not effective on lean-burn engines that operate with excess air and oxygen. To consistently achieve the proper combustion levels on rich-burn engines, an automatic air/fuel ratio controller (AFRC) is typically used to regulate the fuel mixture. The AFRC makes operational adjustments based on input signals from an oxygen sensor located upstream from the catalyst bed. The controller ensures that the oxygen content of the engine exhaust remains near or below 0.5%, which allows the NSCR catalyst to achieve optimal conversion efficiencies.

To maintain high conversion efficiencies, the operating temperature in an NSCR catalyst must also be in the appropriate range. The ideal operating temperatures for NSCR systems range from approximately 750 to 1,250°F. Operating above the maximum temperature may damage the catalyst while operating below the minimum temperature will result in low conversion efficiencies. For many engines, this temperature requirement is met at all times except during startup and idling.

To prevent damage to NSCR catalysts (such as masking and chemical poisoning), care must be taken to ensure that the sulfur content of the fuel is not excessive. The sulfur content of pipeline-quality natural gas is very low, but some oil field gases can contain high concentrations. For this reason, oil field gases often need to be scrubbed before they can be combusted in an engine.

1.4 District Rule 333 and CARB's 2001 BARCT Analysis

District Rule 333, *Control of Emissions from Reciprocating Internal Combustion Engines,* was initially adopted in 1991, and it set NOx, CO, and ROC emission standards for engines with a maximum rated break horsepower of 50 or higher. The rule does not apply to compression ignition engines used in emergency applications or engines that are operated less than 200 hours per calendar year ("low-use" engines). The rule also does not apply to engines that have been derated to less than 50 brake horsepower.

In 2008, Rule 333 was amended to incorporate some of the recommended changes from CARB's 2001 Determination of Reasonably Available Control Technology (RACT) and Best Available Retrofit Control Technology (BARCT) for Stationary Spark-Ignited Internal Combustion Engines. Based on the District's attainment status for the federal ozone standard, the District was only required to adopt the RACT standard for these engines, and so Rule 333 does not reflect the 2001 BARCT emission standards. A summary of the current Rule 333 emission standards is presented below in Table 1.1.

Table 1.1 – District Rule 333 Emission Limits (Amended June 2008)

Engine Type		Parts per Million by Volume (ppmv) corrected to 15% Oxygen [1]		
		NOx	ROC	CO
Rich-burn, SI	Non-cyclical	50	250	4,500
	Cyclical	300		
Lean-burn, SI	50 to 100 hp	200	750	
	100 hp and greater	125		
CI	All	700		

For rich-burn engines, a distinction is made between cyclical and non-cyclical engines. "Non-cyclical" engines are engines that are designed to operate continuously under a constant power load, shutting down only when there is a breakdown, or when maintenance or repair work is required. Whereas "cyclical" engines have rapid fluctuations in power output and spend significant periods of time at idle. In the 2001 CARB RACT/BARCT determination, cyclical engines were allowed to have higher emission limits since they have additional challenges in using NSCR catalysts. These challenges are discussed further in Section 2.4 of this analysis.

1.5 The AB 617 BARCT Rule Development Schedule

Assembly Bill (AB) 617, enacted in July 2017, has many requirements to address the disproportionate impacts of air pollution in disadvantaged communities. One of the key components of AB 617 is to reduce air pollutant emissions from facilities that participate in the California Greenhouse Gas (GHG) Cap-and-Trade system. Cap-and-Trade is designed to limit GHG emissions and allows facilities to comply by either reducing GHG emissions at the source or by purchasing GHG emission allowances. Emissions of criteria pollutants and toxic air contaminants are often associated with large GHG-emitting sources, and these pollutants may impact local communities that are already experiencing a disproportionate burden from air pollution.

AB 617 helps alleviate the pollution burden near these communities by requiring each air district to adopt an expedited rule development schedule for BARCT by January 1, 2019. The District's AB 617 BARCT schedule was adopted at the December 2018 Board Hearing, and Rule 333 was included on the list of measures that needed to be evaluated for BARCT.[2] BARCT is an emission limitation that is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts. To meet the BARCT emission limits, a facility may need to install new air pollution controls on their existing unit(s) or replace the unit(s) in part or in whole. The BARCT requirements apply to the following six facilities within the District boundaries since they are industrial sources subject to the California Cap-and-Trade requirements:

[1] All references to ppmv within this document are corrected to a 15% oxygen content level.
[2] Additional information on the AB 617 BARCT Rule Development Schedule is available on the District's website at www.ourair.org/community-air.

1) Exxon Mobil – Las Flores Canyon,
2) Exxon Mobil – Pacific Offshore Pipeline Company (POPCO),
3) Pacific Coast Energy Company (PCEC) – Orcutt Hill,
4) Cat Canyon Resources, LLC – Cat Canyon West[1],
5) Imerys Filtrations Minerals, Inc., and
6) Windset Farms.

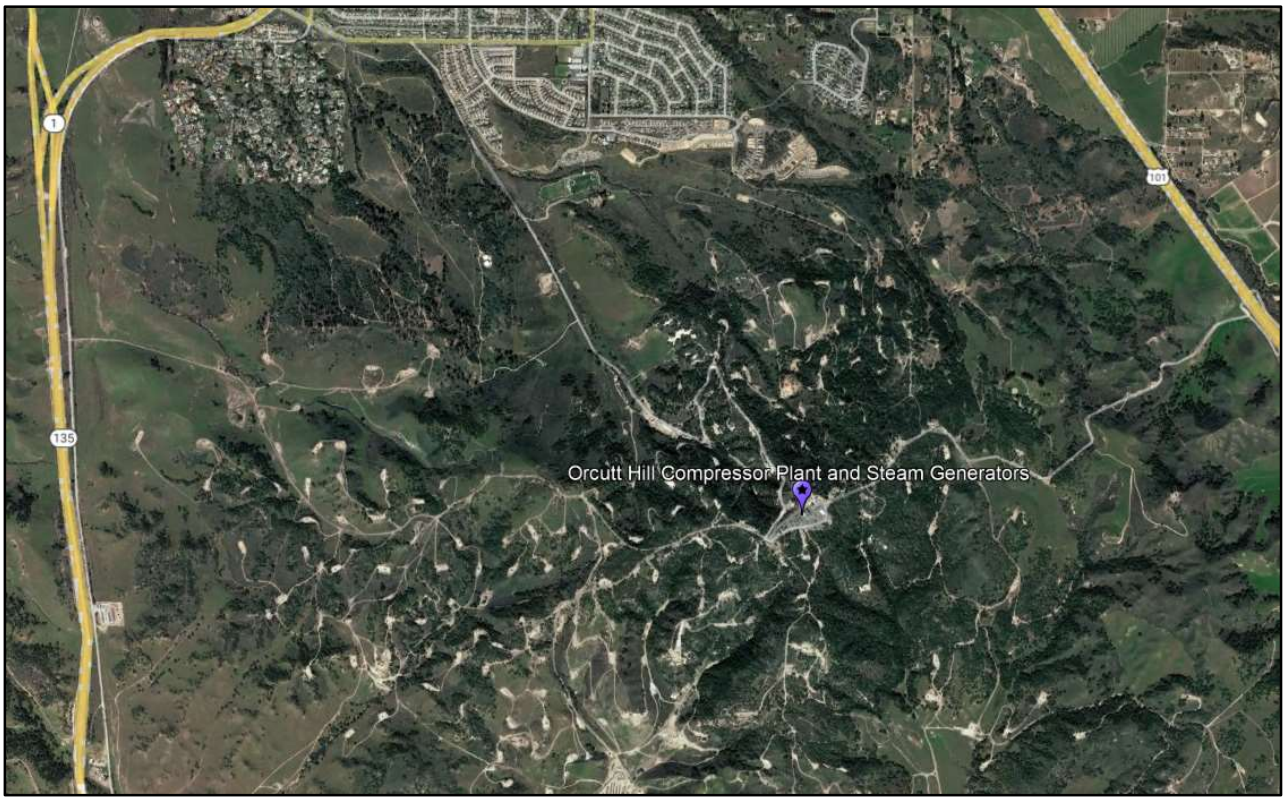
During the initial BARCT assessment in 2018, the District reviewed the permitted engines at the AB 617 industrial sources to see if additional controls would be feasible. The evaluation focused on those engines with a maximum rated brake horsepower of 50 or higher, which is the same applicability threshold established by District Rule 333. After reviewing the engines at these six facilities, the District showed that it may be feasible and cost-effective to establish new BARCT standards for prime, spark-ignited engines within Santa Barbara County, including those engines that were previously derated to less than 50 brake horsepower.

1.6 Pacific Coast Energy Company (PCEC) – Orcutt Hill

Pacific Coast Energy Company ("PCEC") – Orcutt Hill is an onshore oil and gas production and processing facility that is located approximately 2.5 miles south of the community of Orcutt. The facility was originally developed by the Union Oil Company in the 1920s, and PCEC (and its predecessor BreitBurn Energy) has been the owner/operator of the field since 2004. The Orcutt Hill field is comprised of approximately 200 conventional oil and gas wells and 90 cyclic steam injection wells.[2] The extracted crude oil, gas, and water emulsion from the wells is separated by using tank batteries. After they're separated, the crude oil is shipped offsite via pipeline, the produced water is reinjected into the producing formation, and the produced gas is piped to the Orcutt Hill Compressor Plant. At the compressor plant, the produced gas is scrubbed to remove condensates and hydrogen sulfide (H_2S). The gas is then used as the primary fuel for the combustion equipment at the stationary source, such as the steam generators and the reciprocating internal combustion engines. A satellite image of the Orcutt Hill production field is shown below in Figure 1.4.

[1] Facility was previously operated by ERG Operating Company and has since been transferred to Cat Canyon Resources, LLC.
[2] www.conservation.ca.gov/calgem/Online_Data

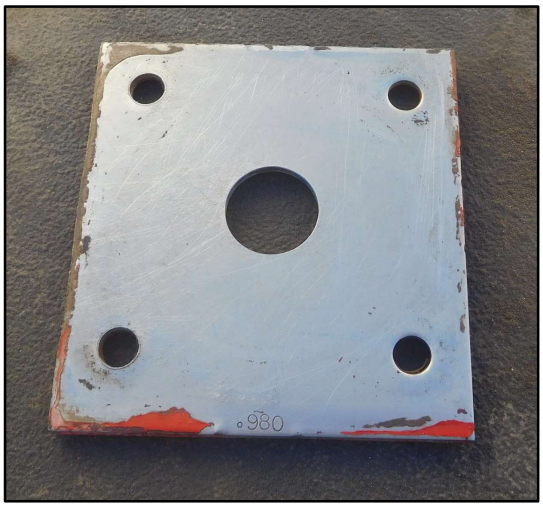
Figure 1.4 – Orcutt Hill Production Field



The majority of the engines that are being operated at PCEC were originally manufactured in the 1970s and 1980s, and each engine has a maximum rated horsepower between 130 to 200, depending on the specific engine model. After Rule 333 was initially adopted in 1991, Unocal (the field operator at the time) complied with the rule by derating each engine to less than 50 horsepower using orifice plates.

An orifice plate, as shown in Figure 1.5, is a steel plate with a sharp-edged circular hole that is installed between the engine's carburetor and intake manifold. The orifice plate prevents the engine from operating at its maximum horsepower by restricting fuel to the engine. The derated horsepower for each engine model and orifice plate pairing was established through dynamometer testing performed by a third-party technician, and the results were approved by the District. To ensure that the orifice plates do not corrode or degrade over time, the facility's permit requires the orifice plates to be inspected on an annual basis.

Figure 1.5 – Orifice Plate



2. PROPOSED BARCT ANALYSIS FOR SPARK-IGNITED ENGINES

2.1 Overview of Proposed Analysis

Although there are a variety of engine configurations and fuel types, this BARCT analysis is focused on prime, rich-burn engines using natural gas or field gas since those are the engines currently being used at the AB 617 industrial sources. This BARCT analysis does not address lean-burn engines, compression-ignition engines, emergency and low-use engines, or engines fired on other fuels such as digester gas or landfill gas. The following major requirements are needed to satisfy the BARCT provisions for AB 617:

- All prime engines that have a maximum rated horsepower greater than 50 shall comply with the BARCT standards, regardless of any previous deratings;
- Non-cyclic rich-burn engines shall meet the 11 ppmv NOx BARCT standard; and
- Cyclical rich-burn engines that have been derated to less than 50 horsepower shall meet the 25 ppmv NOx BARCT standard.

These standards are based on the more recent BARCT determinations adopted by the South Coast Air Quality Management District under Rule 1110.2 and the San Joaquin Valley Air Pollution Control District under Rule 4702. All of the requirements to meet BARCT are described in further detail in their corresponding sections below, and an evaluation of the costs and impacts of the new requirements are listed in Section 5 of this report.

2.2 Requirement – Removal of Derated Engine Exemption

During the initial adoption of Rule 333 in 1991, an exemption was included to allow operators to derate their equipment to less than 50 brake horsepower instead of demonstrating compliance with the emission standards in the rule. In reviewing the more recent internal combustion engine rules adopted by other air districts within California, most districts do not allow for engine derating as a control strategy. Based on the District's assessment, derated engines can still be feasibly and cost-effectively controlled. Hence, for this BARCT analysis, all prime engines that have a maximum rated horsepower greater than 50 need to comply with the BARCT standards, regardless of any previous deratings.

2.3 Requirement – Non-cyclical, Rich-burn Engines

Reciprocating engines can be used in several operational modes. In many cases, they are used continuously under a constant power load, shutting down only when there is a breakdown, or when maintenance or repair work is required. These engines are termed "non-cyclical" engines, and the current NOx emission limit for these engines in Rule 333 is 50 ppmv. The 50 ppmv NOx standard is typically achieved by using a NSCR catalyst.

In recent years, other air districts have demonstrated that greater NOx control efficiencies are possible. Both the South Coast AQMD and San Joaquin Valley APCD have adopted an 11 ppmv NOx standard for non-cyclical, rich-burn engines, which represents approximately 98% control compared to the uncontrolled baseline of 500 ppmv. This 11 ppmv standard has been feasibly implemented in these larger air districts for over 10 years, and it can be met through the use of a more precise AFRC or by using a larger catalyst module. To consistently reach this low level of emissions, additional maintenance and recalibration may be needed on the emission control

system to make sure that the various components don't fail or drift over time. Nevertheless, the 11 ppmv NOx standard is achievable on the spark-ignited engines that are currently installed within Santa Barbara County, and it represents BARCT for non-cyclical, rich-burn engines.

2.4 Requirement – Cyclical, Rich-burn Engines

Reciprocating engines can also operate cyclically, which means that the engine changes its power output on a regular, frequent schedule. As defined in Rule 333, "*Cyclically-loaded engine* means an engine that under normal operating conditions has an external load that varies by 40 percent or more of rated brake horsepower during any load cycle or is used to power a well reciprocating pump including beam-balanced or crank-balanced pumps. Engines powering air-balanced pumps are noncyclically-loaded engines."

The cyclical definition is important because on an oil well pump, the engine operates at load for a time period varying from several seconds to about 20 seconds, followed by an equal amount of time operating at idle. Since the cyclical engine has rapid fluctuations in power output and spends significant periods of time at idle, it is more difficult to maintain the proper air/fuel ratio and exhaust gas temperatures. Due to the challenges, the current Rule 333 emission limit for cyclical engines is 300 ppmv NOx. Operators can meet the existing emission limits for cyclical engines by making sure that the engine is properly maintained and tuned, or by leaning the air/fuel mixture.

In reviewing the recent BARCT assessments made by other California air districts, both the South Coast AQMD and the San Joaquin Valley APCD have addressed cyclical engines. They found that many cyclically-loaded engines can still be equipped with NSCR catalysts if the catalyst system is designed with materials that achieve high efficiencies at lower temperatures or if the exhaust pipe and catalyst are thermally insulated to prevent heat loss. These methods would allow the engine to achieve high control efficiencies when the exhaust temperature is approximately 750 to 850°F. The South Coast AQMD determination for cyclical engines has been in effect since 2011, but the San Joaquin Valley APCD only recently adopted the cyclical determination in 2021 with the 11 ppmv NOx standard going into effect on December 31, 2023.

Based on the District's assessment, the BARCT emission standard for cyclically-loaded engines in Santa Barbara County is 11 ppmv NOx. However, additional consideration needs to be given to derated engines. An engine that has been derated to less than 50 horsepower will be combusting less fuel compared to an engine that is always operating above 50 horsepower. This means that the derated engine may have a more difficult time to consistently reach the necessary operating temperature to achieve high control efficiencies. Hence, a separate BARCT determination is needed for derated engines. Based on the District's assessment, the BARCT emission standard for cyclically-loaded engines that have been derated to less than 50 horsepower is 25 ppmv NOx.

2.5 Requirement – ROC and CO Emission Limits

Controls on reciprocating internal combustion engines are typically focused on reducing NOx emissions, but there are technologies (such as the NSCR catalyst) that can greatly reduce ROC and CO emissions at the same time. The current emission limits for rich-burn engines in Rule 333 are 250 ppmv ROC and 4,500 ppmv CO. These emission limits are mainly used as a

backstop to prevent any increases in ROC and CO emissions, as certain NOx control techniques have the potential to greatly increase the ROC and CO emissions.

Based on our review of the CARB Technology Clearinghouse, District staff believes that it is appropriate to lower the CO emission limit to 2,000 ppmv and to retain the existing ROC limits in Rule 333 for the purposes of this BARCT evaluation. Although lower ROC and CO emission limits have been established in the South Coast AQMD and San Joaquin Valley, the engines subject to this BARCT assessment are older, derated engines that operate on field gas, which can be challenging to control using NSCR technology. Hence, using the 250 ppmv ROC limit and 2,000 ppmv CO limit, which is representative of BARCT for most other air districts, allows the emission control system to have the much-needed flexibility to achieve the lower NOx emissions under varying field conditions.

2.6 Requirement – Testing and Monitoring Conditions

As previously discussed in this assessment, there are a variety of operating parameters that lead to the successful implementation of an emission control system on reciprocating internal combustion engines. The equipment may be initially calibrated to maintain the emission limits, but the electronic sensors may drift over time and need to be recalibrated or replaced. Hence, a testing and monitoring program is necessary to ensure that the engines remain adjusted and operate in compliance with the emission standards in the BARCT analysis. This BARCT analysis will incorporate the existing testing and monitoring program prescribed in Rule 333, which includes the following:

1) Each engine shall be source tested every two years at the engine's actual peak load or under the engine's typical duty cycle;
2) Each engine shall be monitored every three months using a portable NOx analyzer; and
3) For facilities with more than 20 engines, the Control Officer may, on a case-by-base basis, approve a source's written request to exclude one or more engines from the on-going biennial testing.

Portable NOx analyzers are fairly accurate monitoring tools that are useful to periodically check the emissions of an engine. Despite their usefulness, portable analyzers do not meet all of the rigorous procedures prescribed under the EPA and CARB test methods. Under the current Rule 333 language, a portable analyzer reading in excess of the permitted emission standards shall not be considered a violation so long as the engine is brought into compliance and a follow-up inspection is conducted within 15 days of the initial out-of-compliance reading. NOx analyzer tests shall then be performed on a monthly basis until the engine tests below the emission standards for three consecutive months.

This monitoring program strikes the appropriate balance between using the verifiable EPA source test methods and using a portable NOx analyzer to demonstrate compliance. It will ensure that the emission control system for each engine is properly tuned and calibrated, and that the lower NOx limits prescribed in this BARCT assessment are achieved.

3. COMPARISON TO OTHER CALIFORNIA AIR DISTRICTS

In considering what benchmarks to use for BARCT, it is important to evaluate other emission limits that have been imposed on the same categories of equipment. Most California air districts have based their internal combustion engine rules on the California Air Resources Board's RACT and BARCT determination for stationary spark-ignited engines, which established the 2001 BARCT standards. However, a few districts, such as the South Coast AQMD and the San Joaquin Valley APCD have established more stringent requirements for certain subcategories of engines. Table 3.1 presents a comparison of these determinations to the key requirements in the District's BARCT analysis.

Table 3.1 – Comparison to Air District Rules

ANALYSIS DESCRIPTION		Santa Barbara APCD BARCT IC Engines (Proposed)	South Coast AQMD Rule 1110.2 (2008)	San Joaquin Valley APCD Rule 4702 (2021)	San Diego APCD Rule 69.4.1 (2020)	Ventura APCD Rule 74.9 (2005)
Applicability		50+ horsepower	50+ horsepower	25+ horsepower *[Emission limits do not apply to 25-49 hp]*	50+ horsepower	50+ horsepower
		Stationary & Portable	Stationary & Portable	Stationary	Stationary	Stationary
Exemptions		< 200 hours/yr	Emergency with < 200 hrs/yr total	< 200 hours/yr	< 200 hours/yr	< 200 hours/yr
		--		Emergency with <100 hrs/yr M&T	Emergency with <100 hrs/yr M&T	Emergency with <50 hrs/yr M&T
		--	--	Engines derated before 2004	--	--
Rich-burn Engines	NOx Limit	*All Non-cyclical:* 11 ppmv *Non-derated, Cyc:* 11 ppmv *Derated, Cyc:* 25 ppmv	11 ppmv	11 ppmv	*New:* 11 ppmv *Existing:* 25 ppmv	25 ppmv
	ROC Limit	250 ppmv	30 ppmv	90 ppmv	*New:* 60 ppmv *Existing:* 250 ppmv	250 ppmv
	CO Limit	2,000 ppmv	250 ppmv	2,000 ppmv	*New:* 70 ppmv *Existing:* 2,000 ppmv	*New:* 2,000 ppmv *Existing:* 4,500 ppmv
Testing Frequency	NOx Analyzer	Quarterly	Weekly	Quarterly	Quarterly	Quarterly
	Source Test	Biennial	Biennial	Biennial	Biennial	Biennial

4. APPLICABILITY OF FEDERAL PROHIBITORY REGULATIONS

4.1 NSPS Subpart JJJJ (40 CFR Part 60)

New Source Performance Standard (NSPS) Subpart JJJJ requires manufacturers of stationary spark-ignition engines to certify that the engines they produce comply with the applicable emission standards and requires owners and operators of stationary spark-ignition engines to install and operate the engines in accordance with the emission standards. NSPS Subpart JJJJ was initially promulgated in 2008, and the emission limits do not apply to existing engines that were manufactured before the applicable compliance date.

District staff evaluated the requirements of NSPS Subpart JJJJ and determined that none of the existing engines that are addressed in this evaluation are subject to the Subpart JJJJ requirements based on the date of their installation. For newly installed engines, the proposed BARCT requirements do not conflict with or create inconsistencies with this federal regulation.

4.2 NESHAP Subpart ZZZZ (40 CFR Part 63)

National Emission Standard for Hazardous Air Pollutants (NESHAP) Subpart ZZZZ establishes emission and operating limitations for hazardous air pollutants (HAPs) emitted from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions. As defined in Subpart ZZZZ, a major source of HAP emissions is a facility that has the potential to emit 10 or more tons per year of any single HAP, or 25 tons per year or more of any combination of HAPs. An area source of HAPs is any facility that is not considered a major source of HAPs.

In general, new or reconstructed stationary reciprocating internal combustion engines comply with NESHAP Subpart ZZZZ by complying with the applicable NSPS Subpart JJJJ requirements. As for existing engines, they must comply with the applicable emission requirements and/or management practices specified in NESHAP Subpart ZZZZ. The existing engines addressed in this evaluation are considered non-emergency, four-stroke, rich-burn spark-ignition engines rated at less than 500 break horsepower at an area source of HAP emissions. The operator of these engines is required to comply with the following:

1) Change the oil and filter on each engine every 1,440 hours of operation or annually, whichever comes first;
2) Inspect the spark plugs on each engine every 1,440 hours of operation or annually, whichever comes first; and
3) Inspect all hoses and belts on each engine every 1,440 hours of operation or annually, whichever comes first.

The proposed BARCT requirements do not conflict with or create inconsistencies with the requirements listed in this federal regulation.

5. IMPACTS OF THE PROPOSED ANALYSIS

5.1 Emission Impacts

The BARCT analysis will affect all new and existing reciprocating internal combustion engines at the AB 617 industrial sources. The only facility that is expected to be impacted by this analysis is PCEC – Orcutt Hill. PCEC currently uses 27 different derated spark-ignition engines at its facility to extract oil and inject the produced water back into the underground formations. A listing of those engines is shown below in Table 5.1.

Table 5.1 – Existing Engines at PCEC - Orcutt Hill

#	Device	Engine Make & Model	Original Horsepower	Derated Horsepower	Cyclic/ Non-cyclic
1	Oil Well Pump	Waukesha 145	131	49.5	Cyclic
2	Oil Well Pump	Waukesha 145	131	49.5	Cyclic
3	Oil Well Pump	Waukesha 145	131	49.5	Cyclic
4	Oil Well Pump	Waukesha 145	131	49.5	Cyclic
5	Oil Well Pump	Waukesha 145	131	49.5	Cyclic
6	Oil Well Pump	Waukesha 1197	195	49.9	Cyclic
7	Oil Well Pump	Waukesha 1197	195	49.9	Cyclic
8	Oil Well Pump	Minneapolis Moline 800	175	48	Cyclic
9	Oil Well Pump	Minneapolis Moline 800	175	48	Cyclic
10	Oil Well Pump	Minneapolis Moline 800	175	48	Cyclic
11	Oil Well Pump	Minneapolis Moline 800	175	48	Cyclic
12	Oil Well Pump	Minneapolis Moline 800	175	48	Non-Cyclic
13	Oil Well Pump	Minneapolis Moline 800	175	48	Non-Cyclic
14	Oil Well Pump	Waukesha 145	131	49.5	Non-Cyclic
15	Oil Well Pump	Waukesha 145	131	49.5	Non-Cyclic
16	Oil Well Pump	Waukesha 145	131	49.5	Non-Cyclic
17	Oil Well Pump	Waukesha 145	131	49.5	Non-Cyclic
18	Oil Well Pump	Waukesha 145	131	49.5	Non-Cyclic
19	Oil Well Pump	Waukesha 817	131	49.5	Non-Cyclic
20	Oil Well Pump	Waukesha 817	131	49.5	Non-Cyclic
21	Oil Well Pump	Waukesha 1197	195	49.5	Non-Cyclic
22	Water Injection Pump	Waukesha 145	131	49.5	Non-Cyclic
23	Water Injection Pump	Waukesha 145	131	49.5	Non-Cyclic
24	Water Injection Pump	Waukesha 145	131	49.5	Non-Cyclic
25	Water Injection Pump	Waukesha 145	131	49.5	Non-Cyclic
26	Water Injection Pump	Waukesha 145	131	49.5	Non-Cyclic
27	Compressor Plant Pump	Waukesha 195	195	42	Non-Cyclic

These derated engines do not have any emission controls, but they could be retrofitted with NSCR control systems and air/fuel ratio controllers to reduce their emissions of criteria pollutants and toxic air contaminants. To evaluate the estimated emission impacts of these engines complying with the BARCT requirements, the historical operating records of the engines were reviewed and an average operating capacity factor was determined. The estimated emission reductions for this project are shown below in Table 5.2.

Table 5.2 – Estimated Emission Reductions

Description	**Maximum Heat Input** (MMBtu/hr)	**Initial NOx EF** (lbs/MMscf)	**Final NOx EF** (lbs/MMscf)	**Average Capacity Factor**	**Number of engines**	**Total NOx Reductions** (tons/yr)
Cyclical Engine	0.48	2,000	98.7	0.70	11	**73**
Non-Cyclical Engine	0.48	2,000	43.4	0.70	16	

Where:

- Maximum Heat Input represents an engine derated to approximately 48 hp.
- Initial NOx Emission Factor (EF) = approximately 500 ppmv NOx
  - Based on a 1990 District Hearing Board decision for uncontrolled SI engines.
- Final NOx Emission Factor
  - Derated, Cyclical: equivalent to 25 ppmv NOx
  - Non-cyclical: equivalent to 11 ppmv NOx
- Avg. Capacity Factor = (Normal Annual Fuel Use) / (Max Potential Annual Fuel Use)

- NOx Reductions = (Max Heat Input) * (Δ Emission Factor) * (Avg. Capacity Factor) * (8,760 hours/year) * (Number of Engines) / (2,000 lbs/ton) / (1,050 Btu/scf)

Based on the equation above, the implementation of BARCT may reduce approximately 2.6 to 2.7 tons of NOx per year for each engine controlled, or a collective 73 tons of NOx per year for all 27 engines. District staff acknowledges that alternative methodologies could be used to estimate the emission reductions. However, the method prescribed above is consistent with the cost-effectiveness methodology that is used for rule projects and BARCT analyses.

5.2 Cost-Effectiveness

For cost-effectiveness calculations, the District uses the Levelized Cash Flow (LCF) method. In the LCF method, a capital recovery factor (CRF) is used to transform any capital costs into an equivalent annual cost. The CRF is necessary because the one-time capital expenditures reduce emissions over the entire duration of the project life. Hence, the CRF is a function of the real interest rate and equipment life.

Staff evaluated a scenario where a derated engine would be retrofitted with a NSCR catalyst and an AFRC to comply with the BARCT standards. It is anticipated that the same type of controls

would be used for both the cyclical and non-cyclical engines, and so no modifications are made to the analysis to reflect the costs between 11 ppmv and 25 ppmv NOx. On-going costs for the additional maintenance requirements on the catalyst and the monitoring requirements on the engine (quarterly NOx analyzer tests and biennial source testing) were also incorporated into the calculations. Since the facility already cleans up the field gas by removing the moisture and sulfur prior to combustion, no additional costs are included to account for the scrubbing process. The estimated cost-effectiveness for this project is shown below in Table 5.3.

Table 5.3 – Estimated Cost-Effectiveness for BARCT Analysis

	Costs		Cost-Effectiveness		
Description	**Capital and Install Costs** (per engine)	**Annual Operation and Testing Costs** (per engine)	**CRF**	**Annualized Cost** (per engine)	**Cost-Effectiveness** ($/ton)
Cyclical Engine	$60,000	$12,000	0.103	$18,180	**$6,800**
Non-Cyclical Engine	$60,000	$12,000	0.103	$18,180	**$6,600**

Where:

- Cost-Effectiveness = (Annualized Cost) / (Emission Reductions)
- Annualized Cost = (Capital Costs * CRF) + (Annual Operational Costs)
- CRF = $\frac{i * (1 + i)^n}{(1 + i)^n - 1} = \frac{0.06 * (1 + 0.06)^{15}}{(1 + 0.06)^{15} - 1} = 0.103$

  i = Real Interest Rate (6%)
  n = Project Life (15 years)

The cost-effectiveness values shown in Table 5.3 are within the acceptable range of previously adopted prohibitory rules, and so the BARCT requirement to reach 11 or 25 ppmv, depending on the type of engine, is considered to be cost-effective. These costs are incurred in the interest of bringing the facility operations up to current control technology standards and complying with state legislation.

Electrification or Engine Replacement

Another method of reducing NOx is to replace an existing IC engine with an electric motor or a new engine designed to emit very low NOx emissions. Although there may be minor increases in power plant emissions to supply the electricity, an electric motor essentially eliminates all on-site NOx emissions associated with the removed engine. Replacing an older, uncontrolled engine with a new engine that has emission controls built into its design can also reduce NOx by a substantial amount. These alternatives typically cost more than retrofitting the existing equipment, but the alternatives may be viable and cost-effective depending on the location of the well site and the associated equipment coupled to the engine or motor.

5.3 Trial Period and Implementation Timeline

Over the course of the last three years, PCEC conducted various trials by installing different combinations of catalysts and air/fuel ratio controllers on a select number of cyclical and non-cyclical engines operating oil well and water injection pumps. These trials were conducted to determine if the BARCT standards are feasible on PCEC's derated engines. Throughout the trials, a portable NOx analyzer was used to determine the effectiveness of the controls and to evaluate if any adjustments needed to be made to the engines over time. Afterwards, PCEC concluded that they were encouraged by the resultant low NOx values from using the emission control equipment, and PCEC decided to pursue this control strategy on their derated engines to comply with the BARCT analysis.

In October 2022, PCEC submitted an Authority to Construct permit application to modify the engines at its facility to comply with the BARCT analysis for Internal Combustion Engines. The equipment modifications included in the permit application are required to be implemented no later than December 31, 2023, in accordance with AB 617. Any device that fails to implement BARCT will need to be shut down on December 31, 2023 and may only be operated once the necessary modifications are complete.

6. REFERENCES

1) California Air Resources Board – *Determination of Reasonably Available Control Technology and Best Available Retrofit Control Technology for Stationary Spark-Ignited Internal Combustion Engines,* November 2001.
2) South Coast Air Quality Management District – *Rule 1110.2, Emissions from Gaseous- and Liquid-Fueled Engines,* Amended November 1, 2019.
3) San Joaquin Valley Unified Air Pollution Control District – *Rule 4702, Internal Combustion Engines,* Amended August 19, 2021.
4) Ventura County Air Pollution Control District – *Rule 74.9, Stationary Internal Combustion Engines,* Amended November 8, 2005.
5) Bay Area Air Quality Management District – *Regulation 9, Rule 8, Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines,* Amended July 25, 2007.
6) San Diego County Air Pollution Control District – *Rule 69.4.1, Stationary Internal Combustion Engines,* Amended July 8, 2020.
7) Feather River Air Quality Management District – *Rule 3.22, Stationary Internal Combustion Engines,* Amended August 3, 2020.
8) Yolo-Solano Air Quality Management District – *Addendum to Expedited BARCT Schedule for Industrial Facilities Subject to Cap and Trade,* October 14, 2020.
9) Santa Barbara County Air Pollution Control District – *Assembly Bill 617 Best Available Retrofit Control Technology Rule Development Schedule,* Adopted December 20, 2018.
10) U.S. Environmental Protection Agency – *Alternative Control Techniques Document – NOx Emissions from Stationary Reciprocating Internal Combustion Engines (EPA-453/R-93-032)*, July 1993.
11) U.S. Environmental Protection Agency – *Code of Federal Regulations Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*.
12) U.S. Environmental Protection Agency – *Code of Federal Regulations Part 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*.

7. ATTACHMENTS

7.1 Attachment #1. Industry Comments and Responses

ATTACHMENT #1

Industry Comments and Responses

#	Section	Comment	District Response
1)	1.2	Is there a scale for the Y axis? *[In regard to Figure 1.2 – Stoichiometry and the Effect of Air/Fuel Ratio on Pollutants]*	Figure 1.2 does not have a specific scale that addresses all 3 pollutants (NOx, CO, and total hydrocarbons). The Y-axis is used to show the approximate change in emission concentration for each of the pollutants as a 4-stroke natural gas engine operates between stoichiometric and lean-burn conditions.
2)	1.5	Are you saying there are no prime NG engines in SB?	Out of the six AB 617 Industrial Sources, PCEC is the only affected facility with prime natural gas engines. There are other prime natural gas engines within Santa Barbara County, but those engines are not covered by this analysis. The referenced paragraph in the analysis has been restructured to clarify the applicability to the six AB 617 Industrial Sources.
3)	1.6	PCEC owned and operated the field since 2012 - prior operator was BreitBurn Energy.	The text in the analysis has been updated to clarify that: "PCEC (and its predecessor BreitBurn Energy) has been the owner/operator of the field since 2004." Based on the District's records and the operating permits for the source, the change in December 2011 from BreitBurn Energy to PCEC was a name change only.
4)	2.4	This [cyclical definition] should be defined in Section 2.1 in the overview.	Your comment has been noted.
5)	2.6	PCEC has discussed with the District that after the first round of testing, a percentage of engines are tested every two years - not every engine. It will take 15 days of testing if the world is perfect and nearly $90,000 to complete this testing requirement.	This BARCT analysis incorporates the existing testing and monitoring program prescribed in Rule 333. Specifically, Section I of Rule 333 allows the Control Officer to, on a case-by-case basis, approve a facility's written request to exclude one or more engines from the on-going biennial testing. This provision only applies if the facility has more than 20 engines subject to the source testing requirements. Additional text has been added to Section 2.6 to clarify this provision.
6)	3.0	Do CI engines belong in this table? *[Table 3.1]*	The reference to "CI engines" has been removed from Table 3.1 since the BARCT analysis is primarily focused on rich-burn spark-ignited engines using natural gas or field gas.
7)	4.2	PCEC has a successful program and is in compliance with ZZZZ.	Your comment has been noted.

#	Section	Comment	District Response
8)	5.1	PCEC has not tested for TAC reductions nor have we sourced control equipment to guarantee any toxic emission control efficiency. I am not comfortable making this statement to the board. *Language in the draft analysis – For Reference: "These derated engines do not have any emission controls, but they could be retrofitted with non-selective catalytic control systems and air/fuel ratio controllers to reduce their emissions of criteria pollutants and toxic air contaminants."*	Even though there are no Toxic Air Contaminant (TAC) emission standards or TAC source testing requirements in the BARCT analysis, the District is comfortable in making a general statement that the use of NSCR will reduce toxic air contaminants. There is sufficient EPA, CARB, and catalyst manufacturer information that discuss the VOC and TAC/HAP reduction capabilities of NSCR catalysts. Some of the toxic pollutants controlled include formaldehyde, acrolein, methanol, and acetaldehyde.
9)	5.1	Should ROC and CO reductions be included in this table? *[Table 5.2 – Estimated Emission Reductions]* Be consistent - either include all three pollutants or only discuss NOx. There is a real inconsistency throughout the document	For stationary internal combustion engines, the primary pollutant of concern is NOx. NOx emission control strategies can lead to a reduction in ROC and CO emissions [e.g. using an NSCR catalyst], but some control strategies may lead to slight increases in ROC and CO emissions [e.g. combustion modifications]. The purpose of the ROC and CO emission limits in the BARCT analysis is to prevent the NOx control strategies from causing excessive increases in ROC and CO emissions. Since PCEC is anticipating to use NSCR catalysts to comply with the BARCT standards, the District could tailor the evaluation to show the anticipated ROC and CO emission reductions. However, according to guidance provided by the California Air Resources Board, the emission reduction and cost-effectiveness calculations should only be conducted for those pollutants that pertain to the standard or objective to be met. Hence, the District will continue to focus on NOx, the primary pollutant of concern from these engines.
10)	5.2	Did you add the cost for catalyst bed replacement and new O_2 Sensors? The cost of the catalysts should be included. The costs have doubled in the couple of years we have been working on this project.	The annual operation costs listed in "Table 5.3 – Estimated Cost-Effectiveness for BARCT Analysis" initially allocated $2,500 per year for the on-going catalyst and oxygen sensor replacements. This value was based on assumptions used by the South Coast AQMD, such as the catalyst being replaced every 3 years and the oxygen sensor being replaced every quarter. After further review, the estimated cost for these replacements has been increased to $4,000 per year to provide for a more conservative estimate that also accounts for the recent impacts from inflation.

#	Section	Comment	District Response
11)	5.3	This is not a realistic time schedule. Even if we receive a permit in the first quarter of 2023, there are still supply chain issues that could interfere with the schedule. PCEC will not accept the shutdown clause, we have worked closely with the APCD throughout this process. Also it is unclear if all testing needs to be complete by 12-31-23, this is a very aggressive and unrealistic schedule. If AB 617 will allow for a longer period to achieve compliance, please make this deadline a minimum of June 2024. This will also help with the staggered source test request.	Assembly Bill 617 requires the implementation of BARCT at the affected industrial sources no later than December 31, 2023.[1] Given the purposes of AB 617, its directive language, and legislative history, the District understands this requirement to mean that the full installation of the BARCT controls must be performed by December 31, 2023.[2] Hence, the engines must be modified to include the NSCR catalysts and air/fuel ratio controllers to operate on or after January 1, 2024, and District staff cannot grant an extension for this requirement. As for the initial source testing of the engines, please work with the District's Engineering Division to incorporate a reasonable timeline into the affected permit. For the purpose of this analysis, we will not require all engines to be source tested to be considered "implemented."

[1] Codified under California Health and Safety Code §40920.6.
[2] Informational CARB webpage on Expedited BARCT: https://ww2.arb.ca.gov/Permitting-Questions [*accessed January 12, 2023]*

ATTACHMENT B

PCEC Authority To Construct Permit #15974

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

EQUIPMENT OWNER:

Pacific Coast Energy Company LP

EQUIPMENT OPERATOR:

Pacific Coast Energy Company LP

EQUIPMENT LOCATION:

Orcutt Hill

STATIONARY SOURCE/FACILITY:

Pacific Coast Energy Company - Orcutt Hill	SSID: 02667
Orcutt Hill IC Engines	FID: 04214

AUTHORIZED MODIFICATION:

This permit authorizes Pacific Coast Energy Company (PCEC) to install three-way non-selective catalytic reduction catalysts and air-fuel ratio controllers on the existing de-rated engines at their Orcutt Hill facility. Under District Authority to Construct Nos. 15372 and 15789, these control devices were tested and determined to comply with the Best Available Retrofit Control Technology (BARCT) requirements of the AB 617 *Community Air Protection Program*. The de-rated engines are permitted to operate at various locations at the Orcutt Hill facility, and the BARCT requirements differ based on the type of process (i.e., cyclical vs. non-cyclical).

EQUIPMENT DESCRIPTION:

The equipment subject to this permit is listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

The Orcutt Hill internal combustion engines are located on various leases on the stationary source, which is approximately 2.5 miles south of Orcutt. The internal combustion engines are fired on field gas and used to drive pumping units, water pumps, compressors and other oil and gas production equipment.

CONDITIONS:

1. **Emission Limitations.** The mass emissions from the equipment permitted herein shall not exceed the values listed in Table 1. Compliance shall be based on the operational, monitoring, recordkeeping, reporting and source testing conditions of this permit.

   a. *Cyclical Operation Emission Limits.* By December 31, 2023, emissions from derated engines used for cyclical processes as identified in the most recent District-approved *AB 617 Compliance Plan* shall not exceed the following limits: 25 ppmv NO_X @ 15% O_2, 80 ppmv ROC (as methane) @ 15% O_2 and 1,450 ppmv CO @ 15% O_2.

   b. *Non-Cyclical Engine Emission Limits.* By December 31, 2023, emissions from derated engines used for non-cyclical processes as identified in the most recent District-approved *AB 617 Compliance Plan* shall not exceed the following limits: 11 ppmv NO_X @ 15% O_2, 80 ppmv ROC (as methane) @ 15% O_2 and 1,450 ppmv CO @ 15% O_2.

   Compliance with the NO_X, ROC and CO emission limits shall be based on portable analyzer monitoring as required per Condition 3.d, and source testing as required by Condition 8 of this permit.

2. **Operational Restrictions.** The equipment permitted herein is subject to the following operational restrictions.

   a. *Orifice Plates.* The orifice plate on each derated engine shall not have an orifice greater than the diameter listed below. Each orifice plate shall be made from 10 gauge mild steel stock with a sharp edge circular orifice. Each orifice plate shall be located between the engine carburetor and the intake manifold. Orifice plates shall be in place at all times the engines under this permit operate.

Device Name	Device ID	Orifice Plate Diameter
IC Engine: (#9553)	004359	0.922”
IC Engine: (#9818)	101256	0.922”
IC Engine: (#10215)	008184	0.922”
IC Engine: (#10939)	004307	0.98”
IC Engine: (#11010)	008762	0.98”
IC Engine: (#11033)	008763	0.98”
IC Engine: (#11143)	004331	0.922”
IC Engine: (#11480)	004338	0.922”
IC Engine: (#11484)	004336	0.922”
IC Engine: (#11489)	004367	0.922”
IC Engine: (#11499)	008764	0.922”
IC Engine: (#11505)	004355	0.922”
IC Engine: (#11511)	004372	0.922”
IC Engine: (#11513)	004342	0.922”
IC Engine: (#11523)	004351	0.85”
IC Engine: (#11615)	004402	0.922”
IC Engine: (#11667)	004344	0.85”
IC Engine: (#11763)	004315	1.65”
IC Engine: (#11830)	008783	1.30”
IC Engine: (#11975)	008766	0.922”
IC Engine: (#11983)	004324	0.922”
IC Engine: (#12066)	008767	0.98”
IC Engine: (#12145)	008784	0.85”
IC Engine: (#12151)	004356	0.85”
IC Engine: (#12155)	004371	0.85”
IC Engine: (#12159)	004345	0.85”
IC Engine: (#12161)	004353	0.85”
IC Engine: (#12168)	005306	0.98”

b. *Control Equipment.* By December 31, 2023, all operational[1] derated engines at this facility shall be equipped with a District-approved three-way catalyst and air-fuel ratio controller at all times during engine operations.

c. *Locations*. The locations of the engines, three-way catalysts and air-fuel ratio controllers shall comply with the most recent District-approved *AB 617 Compliance Plan*.

d. *Catalysts and Air-Fuel Ratio Controllers*. The thee-way catalysts and air-fuel ratio controllers shall be maintained and operated in accordance with the manufacturer’s specifications and recommendations.

[1] Engines are considered “operational” unless they are disconnected from gas and visually tagged as out of service, or disconnected from gas and located in the storage yard.

e. *Catalyst and Air-Fuel Ratio Controller Maintenance and Replacement.* The three-way catalysts and air-fuel ratio controllers shall be maintained in accordance with the manufacturers' specifications and recommendations. The control equipment may be replaced as needed and the replacement shall comply with the following requirements:

i. For the replacement with identical control equipment, the permittee shall notify the District within 7 calendar days after replacing any catalyst and/or air-fuel ratio controller (engr@sbcapcd.org). The notification shall include the Device ID of the catalyst and/or air-fuel ratio controller that was replaced, Device ID of the engine fitted with the replacement controls, and the date the replacement occurred. Additionally, the permittee shall conduct portable analyzer monitoring in accordance with Condition 3.d within 7 calendar days after initial operations of any engine that has been equipped with a replacement catalyst and/or air fuel ratio controller to verify that the replacement control equipment is operating properly.

ii. For replacements with a different make or model of catalyst and/or air-fuel ratio controller, the permittee shall notify the District and obtain approval prior to replacing any catalyst and/or air-fuel ratio controller (engr@sbcapcd.org). The notification shall include the Device ID of the catalyst and/or air-fuel ratio controller to be replaced, Device ID of the engine to be fitted with the replacement controls, whether the engine is operating in a cyclical or non-cyclical process, the make and model of the proposed new catalyst and/or air-fuel ratio controller, and the manufacturer's guarantee of the proposed catalyst (if applicable). Additionally, the permittee shall conduct portable analyzer monitoring in accordance with Condition 3.d within 7 calendar days after initial operations of any engine that has been equipped with a replacement catalyst and/or air fuel ratio controller to verify that the replacement control equipment is operating properly. If any of the portable analyzer results are higher than 80% of the emission standards in Condition 1 of this permit, the engine equipped with the replacement control equipment shall be source tested in accordance with Condition 8 within 60 days of the portable analyzer monitoring date.

f. *Air-Fuel Ratio Controller Set Points.* The set-point ranges for the air/fuel ratio controller shall be maintained throughout the year at values determined via the biennial (or most recent) compliance source test.

g. *Fuel Gas Sulfur Content.* The total sulfur content (calculated as H_2S at standard conditions, 60º F and 14.7 psia) of the gaseous fuel burned at the facility shall not exceed 50 grains per 100 cubic feet (796 ppmv).

3. **Monitoring.** The equipment permitted herein is subject to the following monitoring requirements:

   a. *Fuel Usage.* PCEC shall comply with the *Fuel Use Monitoring Plan* (dated June 3, 2019 and any District-approved updates thereof) for the engines listed on this permit. The Plan may be modified only upon written approval from the District and shall be maintained on-site and made available to District personnel upon request.

   b. *Air-Fuel Ratio Controller Set Points Log.* The permittee shall monitor the air-fuel ratio controller millivolt set points during each source test.

   c. *Fuel Gas Sulfur Content.* The operator shall measure the total sulfur content annually in accordance with ASTM-D1072 or a District approved equivalent method. The H_2S content shall be measured quarterly using colorimetric gas detection tubes or equivalent.

   d. *Portable Analyzer Monitoring.* The permittee shall perform portable analyzer NO_X and CO monitoring each calendar quarter in which a source test is not performed and the engine is operated in excess of 20 hours. The compliance procedures outlined in Section F.3 of Rule 333 shall be followed for the portable analyzer monitoring. Portable analyzer instrument readings shall not exceed the limits specified in Table 2 of this permit.

   e. *Engine Inspection and Maintenance Plan.* The permittee shall implement the District-approved *Engine Inspection and Maintenance Plan*.

   f. *Catalysts.* The three-way catalysts shall be monitored to ensure compliance with Condition 2.d of this permit.

   g. *Source Testing.* Source testing shall be performed biennially to demonstrate compliance with the limits of Condition 1. The compliance procedures outlined in Table 4 and Condition 8 of this permit shall be followed for each source test.

   h. *Orifice Plates.* The operator shall inspect approximately one quarter of the orifice plates each calendar quarter and document the results of each inspection. Each orifice plate must be inspected at least once every twelve months, and different orifice plates shall be inspected each quarter until all the orifice plates have been inspected. In addition, the operator shall assist District personnel in the measurement and/or inspection of an orifice plate upon request. The operator shall replace an orifice plate within thirty (30) calendar days after any inspection if it shows corrosion or degradation that enlarges the specified hole diameter, or if there is any other indication the plate is not properly restricting fuel flow to the engine. The District shall be notified in writing each time an orifice plate is replaced. The quarterly orifice plate inspection results and the date of replacement shall be recorded in a log.

4. **Recordkeeping.** The permittee shall record and maintain the information listed below. This data shall be maintained for a minimum of five (5) years from the date of each entry and made available to the District upon request.

    a. *Fuel Usage.* Fuel usage shall be recorded in accordance with the *Fuel Use Monitoring Plan* (dated June 3, 2019 and any District-approved updates thereof).

    b. *Fuel Gas Sulfur Content.* Measurements of the annual total sulfur content and quarterly H_2S content.

    c. *Portable Analyzer Monitoring Results.* Results of the portable analyzer monitoring required by Condition 3.d. including any portable analyzer monitoring conducted after the replacement of any 3-way catalyst and/or air-fuel ratio controllers.

    d. *Source Test Reports.* Source test reports for all District-required stack emission tests.

    e. *Engine Inspection and Maintenance Logs.* Engine inspection and maintenance logs shall be maintained, including quarterly inspection results, consistent with the District-approved *Engine Inspection and Maintenance Plan*.

5. **Semi-Annual Monitoring/Compliance Verification Reports.** The permittee shall submit a report to the District (Attn: *Annual Report Coordinator*) every six months to verify compliance with the emission limits and other requirements of this permit. The reporting periods shall be each half of the calendar year (i.e., January through June for the first half of the year). These reports shall be submitted by September 1 and March 1, respectively, each year, and shall be in a format approved by the District, with one hard copy and one PDF copy. All logs and other basic source data not included in the report shall be available to the District upon request. The second report shall also include an annual report for the prior four quarters. The reports shall include the information required by Condition 4.a – e.

6. **Source Compliance Demonstration Period.** Equipment permitted herein is allowed to operate temporarily during a 365-day SCDP. Initial operations of the permitted equipment (defined as the commencement of any activities applied for and authorized by this permit) define the start of the SCDP. During the SCDP, the permittee shall comply with all operational, monitoring, recordkeeping and reporting requirements as specified in this permit.

    Prior to the SCDP, the permittee shall:

    a. Submit an *Engine Inspection and Maintenance Plan*. The plan shall be prepared in accordance with the District's Rule 333 Engine Inspection and Maintenance Plan Guidelines, available here: https://www.ourair.org/wp-content/uploads/333Guidelines.pdf.

b. Submit an *AB 617 Compliance Plan*. The plan shall include a table that lists the locations of all engines, three-way catalysts and air-fuel ratio controllers permitted herein. The engine and control equipment configurations must comply with Condition 1.a - b of this permit to ensure compliance with Assembly Bill 617.

Following initial operations, the permittee shall:

c. Begin recordkeeping as specified in the Recordkeeping condition of this permit.

d. Within 14 days of the start of the SCDP, the permittee shall provide the District written notification of the initial operations start date using the attached yellow Startup Notification card or by e-mail to enfr@sbcapcd.org.

e. Arrange for District inspection no later than 30 calendar days (or other mutually agreed upon time period) after the SCDP begins. An inspection can be arranged by calling the District's Compliance Division at (805) 979-8050 or via e-mail to enfr@sbcapcd.org. A minimum of three calendar days advance notice shall be given to the District. The Compliance Division may waive this inspection requirement if an initial inspection is deemed unnecessary to verify that the modifications authorized by this permit are in compliance with District rules and permit conditions.

f. Conduct initial testing of each operational derated engine after the installation of the control equipment in accordance with the following schedule and requirements during the SCDP period:

i. At least 50% of the operational derated engines shall have initial source testing conducted in accordance with Condition 8 within 60 days of the installation of the control equipment on the engines.

ii. For the remaining operational derated engines not source tested in accordance with Condition 6.f.i, initial portable analyzer testing shall be conducted in accordance with Condition 3.d within 7 days of the installation of the control equipment. If the results of the initial portable analyzer testing (and follow-up testing, if performed within 15 days of the initial testing) exceed the emission limits for NO_x or CO listed in Condition 1, initial source testing for the engine shall be conducted within 60 days of the first portable analyzer reading.

iii. Complete initial source testing of all operational derated engines within 365 days of the first source test conducted pursuant to Condition 6.f.i. All source testing shall meet the requirements of Condition 8.

iv. The District may approve an alternative initial testing schedule than those listed in Condition 6.f.i and 6.f.ii upon written request and demonstration of good cause by the permittee.

g. Submit a Permit to Operate (PTO) application and the appropriate filing fee not more than 335 calendar days after the SCDP begins pursuant to District Rule 201.E.2. Upon the District's determination that the permit application is complete, the permittee may continue temporary operations under the SCDP until such time the PTO is issued final or one year from the date of PTO application completeness, whichever occurs earlier. Failure to submit the PTO application within the specified time period shall constitute a violation of this permit.

SCDP extensions of up to 30 days may be granted by the District for good cause. Such extensions may be subject to conditions. When good cause cannot be demonstrated, no administrative extension is available and the permittee shall cease operations. Alternatively, the permittee may submit an application to revise the ATC permit and upon the District finding the application complete the SCDP can be extended. A written request to extend the SCDP shall be made by the permittee at least seven days prior to the SCDP expiration date.

7. **AB 617 Compliance Plan.** Within 14 days after moving any engines or control equipment permitted herein, PCEC shall submit to the District an updated table that lists the locations of all engines and control equipment as an attachment to the *AB 617 Compliance Plan*.

8. **Source Testing.** The following source testing provisions shall apply:

a. Source testing shall be performed initially as required by the SCDP condition and biennially thereafter. The permittee shall conduct source testing of air emissions and process parameters listed in Table 4 of this permit. More frequent source testing may be required if the equipment does not comply with permitted limitations or if other compliance problems, as determined by the District, occur. Notwithstanding the above, any non-operational derated engine is not required to be source tested. Source testing shall be conducted within 45 days of any non-operational derated engine resuming operation.

b. The permittee shall submit a written source test plan to the District for approval at least thirty (30) days prior to initiation of each source test. The source test plan shall be prepared consistent with the District's Source Test Procedures Manual (revised May 1990 and any subsequent revisions). The permittee shall obtain written District approval of the source test plan prior to commencement of source testing. The District shall be notified at least ten (10) calendar days prior to the start of source testing activity to arrange for a mutually agreeable source test date when District personnel may observe the test.

c. Source test results shall be submitted to the District within forty-five (45) calendar days following the date of source test completion and shall be consistent with the requirements approved within the source test plan. Source test results shall document the permittee's compliance status with mass emission rates in Table 1 and applicable permit conditions and rules. All District costs associated with the review and approval of all plans and reports and the witnessing of tests shall be paid by the permittee as provided for by District Rule 210.

d. Each source test for the engine shall be performed on the scheduled day of testing (the test day mutually agreed to) unless circumstances beyond the control of the operator prevent completion of the test on the scheduled day. Such circumstances include mechanical malfunction of the equipment to be tested, malfunction of the source test equipment, delays in source test contractor arrival and/or set-up, or unsafe conditions on site. Except in cases of an emergency, the operator shall seek and obtain District approval before deferring or discontinuing a scheduled test, or performing maintenance on the engine on the scheduled test day. If the test cannot be completed on the scheduled day, then the test shall be rescheduled for another time with prior authorization by the District. Once the sample probe has been inserted into the exhaust stream of the equipment unit to be tested (or extraction of the sample has begun), the test shall proceed in accordance with the approved source test plan. In no case shall a test run be aborted except in the case of an emergency or unless approval is first obtained from the District. Failing to perform the source test of an equipment item on the scheduled test day without a valid reason and without District's authorization shall constitute a violation of this permit. If a test is postponed due to an emergency, written documentation of the emergency event shall be submitted to the District by the close of the business day following the scheduled test day.

The timelines in a, b, c and d above may be extended for good cause provided a written request is submitted to the District at least three (3) days in advance of the deadline, and approval for the extension is granted by the District.

9. **Notification of Non-Compliance.** Owners or operators who have determined that they are operating their stationary internal combustion engine in violation of the requirements specified in this permit shall notify the District immediately upon detection of the violation and shall be subject to District enforcement action.

10. **Notification of Loss of Exemption.** Owners or operators of in-use stationary internal combustion engines who are exempt from all or part of the requirements of Rule 333 shall notify the District within five days after they become aware that the exemption no longer applies and shall demonstrate compliance within 180 days after the date the exemption no longer applies.

11. **Documents Incorporated by Reference.** The documents listed below, including any District-approved updates thereof, is incorporated herein by reference and shall have the full force and effect of a permit condition of this permit. This document shall be implemented for the life of the Project and shall be made available to District inspection staff upon request.

    a. *Engine Inspection and Maintenance Plan* (to be submitted).

    b. *AB 617 Compliance Plan* (to be submitted).

    c. *Fuel Use Monitoring Plan* (dated June 3, 2019 and any District-approved updates thereof).

12. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Analyses prepared for and issued with the permit.

13. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

14. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

15. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

16. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

17. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

18. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be affixed to the equipment in a permanent and conspicuous position.

19. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

20. **Nuisance.** Except as otherwise provided in Section 41705 of the California H&SC, no person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

21. **Grounds for Revocation.** Failure to abide by and faithfully comply with this permit or any Rule, Order, or Regulation may constitute grounds for revocation pursuant to California Health & Safety Code Section 42307 *et seq*.

22. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

AIR POLLUTION CONTROL OFFICER

March 8, 2023

DATE

Attachments:

- Table 1 – Mass Emission Limits
- Table 2 – Emission Standards
- Table 3 – Emission Factors
- Table 4 – Source Test Requirements
- Permit Equipment List(s)
- Permit Evaluation for Authority to Construct 15974

Notes:

- Stationary sources are subject to an annual emission fee (see Fee Schedule B-3 of Rule 210).
- Annual reports are due by March 1st of each year.
- This permit is valid for one year from the date stamped above if unused.
- This permit supersedes ATC 15372 and ATC 15789.

TABLE 1. MASS EMISSION LIMITS

Device ID	Process Type	NOx		ROC		CO		SOx		PM		PM_{10}		$PM_{2.5}$	
		lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy
004359	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
101256	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
008184	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004307	Cyclical	1.00	0.18	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
	Non-cyclical	0.44	0.08	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
008762	Cyclical	1.00	0.18	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
	Non-cyclical	0.44	0.08	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
008763	Cyclical	1.00	0.18	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
	Non-cyclical	0.44	0.08	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
004331	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004338	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004336	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004367	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
008764	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004355	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004372	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004342	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004351	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004402	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004344	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004315	Cyclical	0.84	0.15	0.94	0.17	29.76	5.43	0.91	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.37	0.07	0.94	0.17	29.76	5.43	0.91	0.17	0.09	0.02	0.09	0.02	0.09	0.02
008783	Cyclical	0.86	0.16	0.96	0.17	30.28	5.53	0.93	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.96	0.17	30.28	5.53	0.93	0.17	0.09	0.02	0.09	0.02	0.09	0.02
008766	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
004324	Cyclical	1.10	0.20	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
	Non-cyclical	0.48	0.09	1.22	0.22	38.73	7.07	1.18	0.22	0.12	0.02	0.12	0.02	0.12	0.02
008767	Cyclical	1.00	0.18	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
	Non-cyclical	0.44	0.08	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
008784	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004356	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004371	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004345	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
004353	Cyclical	0.87	0.16	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
	Non-cyclical	0.38	0.07	0.97	0.18	30.61	5.59	0.94	0.17	0.09	0.02	0.09	0.02	0.09	0.02
005306	Cyclical	1.00	0.18	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
	Non-cyclical	0.44	0.08	1.12	0.20	35.31	6.44	1.08	0.20	0.11	0.02	0.11	0.02	0.11	0.02
Worst-case totals:		**26.45**	**4.83**	**29.48**	**5.38**	**933.03**	**170.28**	**28.52**	**5.20**	**2.86**	**0.52**	**2.86**	**0.52**	**2.86**	**0.52**

Table Notes:

(a) Of the 28 total engines, two are spares. Only 26 catalysts and air-fuel ratio controllers are permitted; therefore, up to 26 engines may operate at a time. Furthermore, NOx emissions from each engine were calculated for both cyclical and non-cyclical processes because engines may be moved and used for either type of process. The NOx standard for cyclical processes is higher than the NOx standard for non-cyclical processes. For these reasons, the worst-case totals in Table 1 are sums for the 26 engines with the highest emissions, using the NOx standard for cyclical processes.

TABLE 2. EMISSION STANDARDS

Process Type	NO_x	ROC	CO	Units	Basis
Cyclical	25	80 (as methane)	1,450	ppmvd @ 15% O_2	BARCT
Non-cyclical	11	80 (as methane)	1,450	ppmvd @ 15% O_2	BARCT

TABLE 3. EMISSION FACTORS (lb/MMBtu)

Process Type	NO_X	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
Cyclical	0.0924	0.103	3.26	0.100	0.010	0. 010	0. 010
Non-cyclical	0.0406	0.103	3.26	0.100	0.010	0. 010	0. 010

Table Notes:

(a) Mass emission limits based on operations 24 hours/day and 8,760 hours/year.

(b) NO_X as NO_2. SO_X as SO_2.

(c) Device ID # from permit equipment list.

(d) lb/day = pounds per day. tpy = tons per year

(e) NO_X, ROC and CO emission factors are based off of the calculations shown in Attachment A.

(f) SO_X emission factor is based on 796 ppmv fuel sulfur content, 0.169 lb SO2/scf H2S, and field gas higher heating value of 1,350 Btu/scf.

(g) $PM/PM_{10}/PM_{2.5}$ emission factor from Table 3.6-3 of SBCAPCD Permit Guideline Document on *Reciprocating Gas-Fired Internal Combustion Engines*.

TABLE 4. SOURCE TEST REQUIREMENTS

Emission & Limit Test Points	Pollutant	Parameters [b]	Test Methods [c], [d]	Limit	
				Concentration (ppmvd @ 15% O_2)	**Mass Emissions**
IC Engine Exhaust [a]	NO_X (cyclical processes)	ppmv, lb/hr	EPA Method 7E, ARB 1-100	25	See Table 1
	NO_X (non-cyclical processes)	ppmv, lb/hr	EPA Method 7E, ARB 1-100	11	See Table 1
	ROC	ppmv, lb/hr	EPA Method 18	80	See Table 1
	CO	ppmv, lb/hr	EPA Method 10, ARB 1-100	1,450	See Table 1
	Sampling Point Det.		EPA Method 1		
	Stack Gas Flow Rate		EPA Method 2 or 19		
	O_2	Dry, Mol. Wt	EPA Method 3A, ARB 1-100		
	Moisture Content		EPA Method 4		
Fuel	Flow Rate		Fuel Gas Meter [e]		
	Higher Heating Value	Btu/scf	ASTM D 1826-88		
	Total Sulfur Content [f]		ASTM D 1072		

Table Notes:

(a) Source testing shall be performed for the engine in an "as found" condition operating at a representative, District-approved, IC engine load (gal/hr).

(b) The emission rates shall be based on EPA Methods 2 and 4, or Method 19 along with the heat input rate.

(c) Alternative methods may be acceptable on a case-by-case basis.

(d) For NO_x, ROC, CO and O_2, a minimum of three 30-minute runs shall be obtained during each test.

(e) Fuel meter only required if Method 19 is used to calculate the stack gas flow rate, in which case the fuel meter must meet the manufacturer's and Method 19 calibration requirements prior to testing. If Method 1-4 is used, no fuel meter is required.

(f) Total sulfur content fuel samples shall be obtained using EPA Method 18 with Tedlar Bags (or equivalent) equipped with Teflon tubing and fittings. Turnaround time for laboratory analysis of these samples shall be no more than 24 hours from sampling.

PERMIT EQUIPMENT LIST - TABLE A

ATC 15974 / FID: 04214 Orcutt Hill IC Engines / SSID: 02667

A PERMITTED EQUIPMENT

1 IC Engine: (#10939)

Device ID #	**004307**	***Device Name***	**IC Engine: (#10939)**
Rated Heat Input	0.450 MMBtu/Hour	*Physical Size*	49.60 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	10939
Model	WAK	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.98" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

2 IC Engine: (#11763)

Device ID #	**004315**	***Device Name***	**IC Engine: (#11763)**
Rated Heat Input	0.380 MMBtu/Hour	*Physical Size*	41.80 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11763
Model	195	*Serial Number*	
Location Note	Historical location: Jacket Water Pump 3. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 1.65" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

3 IC Engine: (#11983)

Device ID #	**004324**	***Device Name***	**IC Engine: (#11983)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11983
Model	145	*Serial Number*	
Location Note	Historical location: Hobbs #18. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

4 IC Engine: (#11143)

Device ID #	**004331**	***Device Name***	**IC Engine: (#11143)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11143
Model	817	*Serial Number*	
Location Note	Historical location: Newlove Injection #10E. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

5 IC Engine: (#11484)

Device ID #	**004336**	***Device Name***	**IC Engine: (#11484)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11484
Model	145	*Serial Number*	
Location Note	Historical location: Dome #15. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

6 IC Engine: (#11480)

Device ID #	**004338**	***Device Name***	**IC Engine: (#11480)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11480
Model	145	*Serial Number*	
Location Note	Historical location: Newlove Injection #4. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

7 IC Engine: (#11513)

Device ID #	**004342**	***Device Name***	**IC Engine: (#11513)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11513
Model	145	*Serial Number*	
Location Note	Historical location: Folsom #6. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

8 IC Engine: (#11667)

Device ID #	**004344**	***Device Name***	**IC Engine: (#11667)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	11667
Model	800	*Serial Number*	
Location Note	Historical location: Newlove #57. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

9 IC Engine: (#12159)

Device ID #	**004345**	***Device Name***	**IC Engine: (#12159)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	12159
Model	800	*Serial Number*	
Location Note	Historical location: Dome #7. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

10 IC Engine: (#11523)

Device ID #	**004351**	***Device Name***	**IC Engine: (#11523)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	11523
Model	800	*Serial Number*	
Location Note	Historical location: Newlove #52. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

11 IC Engine: (#12161)

Device ID #	**004353**	***Device Name***	**IC Engine: (#12161)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	12161
Model	800	*Serial Number*	
Location Note	Historical location: Cal Coast #21. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

12 IC Engine: (#11505)

Device ID #	**004355**	***Device Name***	**IC Engine: (#11505)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11505
Model	145	*Serial Number*	
Location Note	Historical location: Newlove Injection #7B. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

13 IC Engine: (#12151)

Device ID #	**004356**	***Device Name***	**IC Engine: (#12151)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	12151
Model	800	*Serial Number*	
Location Note	Historical location: Newlove #69. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

14 IC Engine: (#9553)

Device ID #	**004359**	***Device Name***	**IC Engine: (#9553)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	9553
Model	145	*Serial Number*	
Location Note	Historical location: Squires #38. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922"		

15 IC Engine: (#11489)

Device ID #	**004367**	***Device Name***	**IC Engine: (#11489)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11489
Model	145	*Serial Number*	
Location Note	Historical location: Squires #23. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

16 IC Engine: (#12155)

Device ID #	**004371**	***Device Name***	**IC Engine: (#12155)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	12155
Model	800	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

17 IC Engine: (#11511)

Device ID #	**004372**	***Device Name***	**IC Engine: (#11511)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11511
Model	817	*Serial Number*	
Location Note	Historical location: Cal Coast #4. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

18 IC Engine: (#11615)

Device ID #	**004402**	***Device Name***	**IC Engine: (#11615)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11615
Model	145	*Serial Number*	
Location Note	Historical location: Newlove #58. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

19 IC Engine: (#12168)

Device ID #	**005306**	***Device Name***	**IC Engine: (#12168)**
Rated Heat Input	0.450 MMBtu/Hour	*Physical Size*	49.60 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	12168
Model	WAK	*Serial Number*	
Location Note	Historical location: Cal Coast Inj. #3. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.98" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

20 IC Engine: (#10215)

Device ID #	**008184**	***Device Name***	**IC Engine: (#10215)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	10215
Model	145	*Serial Number*	
Location Note	Historical location: Cal Coast Inj #8. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922"		

21 IC Engine: (#11010)

Device ID #	**008762**	***Device Name***	**IC Engine: (#11010)**
Rated Heat Input	0.450 MMBtu/Hour	*Physical Size*	49.60 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11010
Model	WAK	*Serial Number*	
Location Note	Historical location: Cal Coast Injection #3. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.98" Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

22 IC Engine: (#11033)

Device ID #	**008763**	***Device Name***	**IC Engine: (#11033)**
Rated Heat Input	0.450 MMBtu/Hour	*Physical Size*	49.60 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11033
Model	WAK	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.98" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

23 IC Engine: (#11499)

Device ID #	**008764**	***Device Name***	**IC Engine: (#11499)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11499
Model	145	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

24 IC Engine: (#11975)

Device ID #	**008766**	***Device Name***	**IC Engine: (#11975)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	11975
Model	817	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

25 IC Engine: (#12066)

Device ID #	**008767**	***Device Name***	**IC Engine: (#12066)**
Rated Heat Input	0.450 MMBtu/Hour	*Physical Size*	49.60 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	12066
Model	WAK	*Serial Number*	
Location Note	Historical location: Cal Coast Injection #2. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.98" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

26 IC Engine: (#11830)

Device ID #	**008783**	***Device Name***	**IC Engine: (#11830)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	46.30 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	11830
Model	336	*Serial Number*	
Location Note	Historical location: Pinal #31. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 1.30" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

27 IC Engine: (#12145)

Device ID #	**008784**	***Device Name***	**IC Engine: (#12145)**
Rated Heat Input	0.390 MMBtu/Hour	*Physical Size*	48.00 Brake Horsepower
Manufacturer	Minneapolis Moline	*Operator ID*	12145
Model	800	*Serial Number*	
Location Note	Historical location: Newlove #69. See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.85" On line: 8,760 hr/yr Fuel parameters: Fuel HHV: 1,350 Btu/scf for NG, sulfur: % by vol: 0.0796		

28 IC Engine: (#9818)

Device ID #	**101256**	***Device Name***	**IC Engine: (#9818)**
Rated Heat Input	0.500 MMBtu/Hour	*Physical Size*	49.50 Brake Horsepower
Manufacturer	Waukesha	*Operator ID*	9818
Model	145	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Capacity limits: Orifice Plate @ 0.922"		

29 MINE-X DCL 47 Three-Way NSCR Catalysts

Device ID #	**397881**	***Device Name***	**MINE-X DCL 47 Three-Way NSCR Catalysts**
Rated Heat Input		*Physical Size*	
Manufacturer	DCL International Inc.	*Operator ID*	
Model	MINE-X DCL 47	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Or District-approved equivalent. Twenty (20) catalysts total. Flexible placement on any of the de-rated Orcutt Hill IC engines.		

30 MINE-X DCL 4835 SLIP Three-Way NSCR Catalysts

Device ID #	**397901**	***Device Name***	**MINE-X DCL 4835 SLIP Three-Way NSCR Catalysts**
Rated Heat Input		*Physical Size*	
Manufacturer	DCL International Inc.	*Operator ID*	
Model	MINE-X DCL 4835 SLIP	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Or District-approved equivalent. Six (6) catalysts total. Flexible placement on any of the de-rated Orcutt Hill IC engines.		

31 Air-Fuel Ratio Controllers

Device ID #	**397907**	***Device Name***	**Air-Fuel Ratio Controllers**
Rated Heat Input		*Physical Size*	
Manufacturer	Altronic	*Operator ID*	
Model	EPC-50/50e	*Serial Number*	
Location Note	See AB 617 Compliance Plan.		
Device Description	Twenty-six (26) AFRCs total. Used with three-way catalyst to maximize control efficiency. Flexible placement on any of the de-rated Orcutt Hill IC engines.		

B EXEMPT EQUIPMENT

1 IC Engine

Device ID #	**397935**	***Device Name***	**IC Engine**
Rated Heat Input	MMBtu/Hour	*Physical Size*	19.00 Brake Horsepower
Manufacturer	Arrow	*Operator ID*	
Model	C-96	*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.F.1.f. Spark ignition piston-type ICEs < = 50 bhp /Gas Turbines <= 3 MMBtu/hr	
Location Note			
Device Description	19 bhp or smaller		

2 IC Engine

Device ID #	**397936**	***Device Name***	**IC Engine**
Rated Heat Input	MMBtu/Hour	*Physical Size*	19.00 Brake Horsepower
Manufacturer	Arrow	*Operator ID*	
Model	C-96	*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.F.1.f. Spark ignition piston-type ICEs < = 50 bhp /Gas Turbines <= 3 MMBtu/hr	
Location Note			
Device Description	19 bhp or smaller		

1.0 BACKGROUND

1.1 General: Pursuant to California Assembly Bill (AB) 617, the District adopted a new Best Available Retrofit Control Technology (BARCT) schedule, and Rule 333 was included on the list of measures that needed to be evaluated for BARCT. The de-rated engines at the PCEC Orcutt Hill stationary source are required to comply with the BARCT emission limits because this source is subject to the California Cap-and-Trade requirements. PCEC temporarily operated catalysts and air-fuel ratio controllers under ATCs 15372 and 15789 to test the viability of these control technologies to comply with the AB 617 BARCT requirements. By submitting the application for ATC 15974, PCEC elected to modify their permit to implement BARCT requirements, and the District determined rulemaking to revise Rule 333 was unnecessary. The application for ATC 15974 was submitted on October 4, 2022 and deemed complete on November 10, 2022. PCEC is required to implement BARCT no later than December 31, 2023, in accordance with AB 617.

The applicable BARCT emission limits are 11 ppmv NO_X @ 15% O_2 for derated engines used for non-cyclical processes, 25 ppmv NO_X @ 15% O_2 for derated engines used for cyclical processes, 250 ppmv ROC (as methane) @ 15% O_2, and 2,000 ppmv CO @15% O_2. The emission limits listed in Table 2 of this permit comply with the BARCT standards. The ROC emission factor used for these engines in the existing Part 70 permit is 0.103 lb/MMBtu, equal to 80 ppmv ROC (as methane) @15% O_2. In order to avoid an increase in permitted ROC emissions, PCEC proposed to use the same limit in ATC 15974. The CO emission factor used for these engines in the existing Part 70 permit is 1.600 lb/MMBtu, equal to 711 ppmv CO @15% O_2. Due to concern about complying with this low CO limit, PCEC proposed to use a CO limit of 1,450 ppmv @ 15% O_2, which complies with BARCT requirements and avoids triggering additional NSR and PSD permitting requirements.

1.2 Permit History:

PERMIT	FINAL ISSUED	PERMIT DESCRIPTION
ATC 15372	7/24/2019	Temporary permit to test control devices on the de-rated engines that power pumping units and the water injection facility at Orcutt Hill.
ATC Mod 15372 01	12/23/2019	Request for additional time to continue to test the ICE catalyst control.
ATC Mod 15372 02	06/03/2020	Request for additional time to continue to test the ICE catalyst control.
ATC Mod 15372 03	12/17/2020	Request for additional time to continue to test the ICE catalyst control.

PERMIT	FINAL ISSUED	PERMIT DESCRIPTION
PT-70/Reeval 08039 R11	06/15/2021	Permit Reevaluation
ATC 15789	11/16/2021	Temporary permit to test control devices on the de-rated engines that power pumping units at the water injection facility.
ATC Mod 15789 01	05/05/2022	Extend the time allowed to test emission controls on de-rated ICE's.
ATC Mod 15789 02	08/18/2022	Extend the time allowed to test emission controls on de-rated ICE's.

1.3 Compliance History: The permitted equipment has no compliance history.

2.0 ENGINEERING ANALYSIS

2.1 Equipment/Processes: The internal combustion engines are fired on field gas and used to drive pumping units, water pumps, compressors and other oil and gas production equipment. These rich-burn engines are derated to between 41.8 and 49.6 bhp using orifice plates. The three-way catalysts and air-fuel ratio controllers are used to control emissions from these engines to comply with BARCT standards.

2.2 Emission Controls: The three-way catalysts are used to control NO_X, CO and ROC emissions from the de-rated engines. The air-fuel ratio controllers are used in conjunction with the catalysts and are designed to optimize reductions in NO_X, CO and ROC emissions.

2.3 Emission Factors: Emission factors for the engines are documented in Attachment A. The NO_X emission factors are based on the BARCT standards. The ROC and CO emission factors were proposed by the applicant and comply with BARCT. The SO_X emission factor is based on 796 ppmv fuel sulfur content, 0.169 lb SO_2/scf H_2S, and field gas higher heating value of 1,350 Btu/scf. The $PM/PM_{10}/PM_{2.5}$ emission factor is based on Table 3.6-3 of SBCAPCD Permit Guideline Document on *Reciprocating Gas-Fired Internal Combustion Engines*.

2.4 Reasonable Worst Case Emission Scenario: The worst-case emission scenario is engine operation at its derated brake-horsepower for 24 hours/day, 8760 hours/year.

2.5 Emission Calculations: Emission rates were calculated using the formula below:

$$ER = EF \times HI$$

Where:

ER = Emission rate (lb pollutant/period)
EF = Pollutant emission factor (lb pollutant/MMBtu)
HI = Fuel heat input per operating period (MMBtu/period)

2.6 Special Calculations: The SO_X emission factor was calculated using the formula below:

$$EF_{SO2} = 1/(HHV/10^6) \times ppmv\ S/10^6 \times 1/MV \times MR \times MW_{SO2}$$

Where:

EF_{SO2}	=	Emission factor for oxides of sulfur (lb SO_2/MMBtu)
$HHV/10^6$	=	Fuel higher heating value ([Btu/ft^3]/10^6 = MMBtu/std ft^3 fuel)
ppmv S	=	Parts per million sulfur by volume (ft^3 S/10^6 std ft^3 fuel)
MV	=	Molar volume (379.7 ft^3 S/lb-mol S – assumes std temp of 60°F)
MR	=	Molar ratio (S + O_2 => SO_2 – i.e., MR = 1 lb-mol SO_2/lb-mol S)
MW_{SO2}	=	Molecular weight of sulfur dioxide (64.07 lb SO_2/lb-mol SO_2)

Dimensional Analysis:

[lb SO_2/MMBtu] = [std ft^3 fuel/MMBtu] [ft^3 S/10^6 std ft^3 fuel] × [lb-mol S/ft^3 S] [lb-mol SO_2/lb-mol S] [lb SO_2/lb-mol SO_2]

NO_X, ROC and CO emission factor calculations may be found in Attachment A. These emission factors were calculated using the formula below:

$$ER = F_D \times CF \times ppmv/10^6 \times 1/MV \times MW$$

Where:

ER	=	Emission rate of pollutant (lb/MMBtu)
F_D	=	F-factor (8,608 std ft^3/MMBtu)
CF	=	Conversion factor from 0% O_2 to 15% O_2 (20.9/[20.9-15] – dimensionless)
ppmv	=	Parts per million of the pollutant by volume (ft^3 pollutant/10^6 std ft^3 fuel)
MV	=	Molar volume (379.7 ft^3/lb-mol – assumes std temp of 60°F)
MW	=	Molecular weight of pollutant (lb/lb-mol)

Dimensional Analysis:

[lb pollutant/MMBtu] = [std ft^3 fuel/MMBtu] [ft^3 pollutant/10^6 std ft^3 fuel] × [lb-mol pollutant/ft^3 pollutant] [lb pollutant/lb-mol pollutant]

2.7 BACT Analyses: Best Available Control Technology was not required for this project.

2.8 Enforceable Operational Limits: The permit has enforceable operating conditions that ensure the equipment is operated properly.

2.9 Monitoring Requirements: Monitoring of the equipment's operational limits are required to ensure that these are enforceable.

2.10 Recordkeeping and Reporting Requirements: The permit requires that the data which is monitored be recorded and reported to the District.

3.0 REEVALUATION REVIEW (not applicable)

4.0 REGULATORY REVIEW

4.1 Partial List of Applicable Rules:

Rule 201.	Permits Required
Rule 202.	Exemptions to Rule 201
Rule 205.	Standards for Granting Permits
Rule 301.	Circumvention
Rule 302.	Visible Emissions
Rule 303.	Nuisance
Rule 311.	Sulfur Content of Fuels
Rule 333.	Control of Emissions from Reciprocating Internal Combustion Engines
Rule 801.	New Source Review – Definitions and General Requirements
Rule 802.	New Source Review
Rule 809.	Federal Minor Source New Source Review
Rule 810.	Federal Prevention of Significant Deterioration

4.2 Rules Requiring Review:

4.2.1 *Rule 311 – Sulfur Content of Fuels*: Condition 2.g of this permit specifies that the sulfur content shall not exceed 796 ppmv as H_2S.

4.2.2 *Rule 333 – Control of Emissions from Reciprocating Internal Combustion Engines:* Pursuant to Section B.1.c, the engines included in this permit are exempt from the requirements of Rule 333.

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII.

6.0 OFFSETS/ERCs

6.1 Offsets: The Pacific Coast Energy Company Orcutt Hill stationary source exceeds the emission offsets threshold of Regulation VIII for NO_X and ROC. However, this project does not require the surrender of offsets because there is no increase to NO_X and ROC emissions as a result of this project.

6.2 ERCs: This source does not generate emission reduction credits.

7.0 AIR TOXICS

An air toxics health risk assessment was not performed for this permitting action.

8.0 CEQA / LEAD AGENCY

The District is the lead agency under CEQA for this project. This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County APCD (revised April 30, 2015). Appendix A (*APCD Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically for: Projects to install air pollution control or abatement equipment. No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of Health and Safety Code §42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

10.1 This project was not subject to public notice.

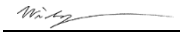
10.2 The permittee's comments on the draft permit and the District's responses may be found in Attachment D.

11.0 FEE DETERMINATION

Fees for the District's work efforts are assessed on a fee basis. The Project Code is *500000* (*Oil and Gas Facilities*). See Attachment C for the fee calculations.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Charlotte Mountain	2/8/2023		3/8/2023
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Emission Calculations
B. IDS Tables
C. Fee Statement
D. Permittee Draft Comments and District Responses

CONVERT PPMV TO LB/MMBTU (Ver. 1.0)

Attachment: A
Permit Number: ATC 15974
Facility: Orcutt Hill IC Engines

Equation

$$\frac{lb}{MMBtu} = ppm * 10^{-6} * \frac{1}{molar\ volume} * Molar\ Weight * F_d * \frac{20.9}{(20.9 - \%O_2)}$$

PPMV Values to Convert

Pollutant	*PPMV Value*	*Reference*
NO_x	25	BARCT standard for cyclical processes
NO_x	11	BARCT standard for non-cyclical processes
ROC	80	proposed by applicant, complies with BARCT
CO	1450	proposed by applicant, complies with BARCT

Pollutant Properties

Pollutant	*Molar Weight*	*Units*	*Notes*
NO_x	46.01	g/mol	As NO_2
ROC	16.04	g/mol	As Methane (CH_4)
CO	28.01	g/mol	N/A

Gas Properties

Input	*Value*	*Units/References*
Molar Volume	379.7	dscf/lb-mol at 1 atm and 60 °F
F_d Factor	8608	dscf/MMBtu (for 1,050 Btu/scf Natural Gas at 60 °F)
Corrected Oxygen	15	percent

Calculated lb/MMBtu Values

Pollutant	*lb/MMBtu Value*
NO_x (cyclical)	**0.0924**
NO_x (non-cyclical)	**0.0406**
ROC	**0.1030**
CO	**3.2614**

Processed By: CIM Date: 2/22/2023

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	26.45	29.48	933.03	28.52	2.86	2.86	2.86
lb/hr							
TPQ							
TPY	4.83	5.38	170.28	5.20	0.52	0.52	0.52

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	1,155.59	144.43	2,376.93	95.44	14.18	14.18	14.18
lb/hr							
TPQ							
TPY	134.48	12.62	281.25	12.02	1.23	1.23	1.23

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	1,208.63	3,590.50	2,473.91	113.77	44.58	44.58	44.58
lb/hr							
TPQ							
TPY	144.15	168.76	298.94	15.73	6.78	6.78	6.78

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

air pollution control district
SANTA BARBARA COUNTY

FEE STATEMENT

ATC No. 15974
FID: 04214 Orcutt Hill IC Engines / SSID: 02667

Device Fee

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
397881	MINE-X DCL 47 Three-Way NSCR Catalysts	A1.a	1.000	79.76	Per equipment	No	20	1.000	1,595.20	0.00	0.00	1,595.20
397901	MINE-X DCL 4835 SLIP Three-Way NSCR Catalysts	A1.a	1.000	79.76	Per equipment	No	6	1.000	478.56	0.00	0.00	478.56
397907	Air-Fuel Ratio Controllers	A1.a	1.000	79.76	Per equipment	No	26	1.000	2,073.76	0.00	0.00	2,073.76
	Device Fee Sub-Totals =								$4,147.52	$0.00	$0.00	
	Device Fee Total =											$4,147.52

Permit Fee

Fee Based on Devices **$4147.52**

Fee Statement Grand Total = $4,147

Notes:

(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

Pacific Coast Energy Company submitted the following comments on draft ATC 15974:

1. Authorized Modification. The last sentence references 2 de-rated engines being "removed", and listed in the permit as de-permitted. These two engines are intended to act as "spare" engines not spare parts. Please do not de-permit them. There has been a total of 14 engines that have already been de-permitted since the start of the ICE BARCT testing and permitting process.

   Response: The final permit includes these two engines, Device IDs 004367 and 008783.

2. Based on catalyst availability and cost, PCEC would like to request a condition that allows approval of other makes and models. If this request is approved, please revise conditions 2.c. and 2.d. to include language that references "other approved catalysts".

   Response: Conditions 2.b and 2.f of the final permit reflect this change.

3. Permit Condition 2.e. As allowed by District rule and PCEC's PTO 8039-R11, ICEs can be moved anywhere in Orcutt Hill Field, PCEC does not want to loose the ability to move the location of any engine. The AB 617 Compliance Plan mandates the location and Permit Condition 7 requires District approval prior to moving an engine it severely limits PCECs operations and PCEC does not want to lose operational flexibility.

   If the intent of the condition and the plan is to enforce what catalysts are operating on what engine, the only concern should be that the non-cyclic engines operating at the Cal Coast water injection plant will operate with the larger of the two catalyst models. Perhaps instead of a plan and a reporting requirement, a permit condition could be added that requires the larger catalyst to be operating on any engine at the water injection plant. It really does not matter what catalyst is operating on the engines operating the pumping units cyclic or non-cyclic. The larger catalyst model at the water injection plant can be confirmed during quarterly NOx box testing and during District inspections.

   Response: Condition 7 has been revised to require notification after equipment has been moved, rather than District approval prior to moving equipment.

4. Permit Condition 2.g. This permit condition requires a NOx Box test within 3 days of replacing a catalyst or an AFRC, due to the availability of technicians. PCEC is requesting that 3 days is extended to 7 days.

   Response: This change is reflected in the final permit.

5. Condition 3.a. PCEC cannot install non-resettable hour meters on any of these engines. Not only have hour meters proved unreliable historically, but, the entire District approved Fuel Meter Plan does not include the requirement for hour meters. If necessary PCEC can review the fuel system at Orcutt Hill with the District. The hours of operation for the internal combustion engines are determined from CalGem downtime reports. All wells at Orcutt Hill Field are checked twice daily by the operators. To determine the operating hours for the field ICEs, all the daily operator logs from the entire Orcutt Hill Stationary Source are reviewed and the engine on time is recorded and maintained in a database that is used to determine fuel use and ultimately reporting.

   Response: The condition requiring hour meters was removed.

6. Condition 3.b. The most recent approved FUMP was in June 2019. This modification was made to remove the 4 non-resettable hour meters from the four 200 hour engines. The elements have proved too harsh for the longevity of the hour meters. Breakdowns were called in every time one malfunctions or were replaced.

   Response: The Fuel Use Monitoring Plan date has been updated in the final permit.

7. Condition 4.a. and Condition 5. The request to log and ultimately report daily operating hours and fuel is excessive and not in character with the PTO 8039. PCEC is requesting that the semi-annual reporting for these engines not be modified by this permit.

   Response: The condition requiring logs of daily operating hours was removed.

8. Permit Condition 6. Due to the nature of this project, an SCDP condition that is project specific should be written. All the control devices will be installed, NOx Box testing will be conducted and half of the engines will be source tested. An application for a permit to operate can be submitted within 180 days. PCEC and the District have discussed staggered source testing, all engines will not be tested by the end of December 2023. If AB 617 requires that the project has a PTO applied for or issued by December 31, 2023, then a negotiated SCDP condition should be written.

   Response: The SCDP condition length and requirements have been revised to require that at least 50% of the operational derated engines have source testing conducted within 60 days after the installation of control equipment and allow staggered source testing for the remaining operational derated engines over the course of one year.

9. Condition 7. The requirement to receive approval from the District to move an engine is not a realistic operating scenario for PCEC. If necessary, the AB 617 Compliance Plan will list all wells on Orcutt Hill that are ICE driven as sites for these engines. Please refer to comment number 3.

Response: Condition 7 has been revised to require notification after equipment has been moved, rather than District approval prior to moving equipment.

10. Permit Condition 9. Does permit condition 9 deny PCEC Rule 505 Breakdown protection? And is it applicable since these engines are not subject to Rule 333.

Response: Condition 9 has been revised to reference this permit rather than Rule 333. This condition does not preclude PCEC from notifying the District of a breakdown pursuant to Rule 505.

11. Table 4. PCEC would like to request that an option to use Method EPA 1 -4 for determining fuel volume during source testing.

Response: Table 4 has been updated to reflect this change.

12. Permitted Equipment List: Please remove the location requirement from the equipment list.

Response: The location notes refer to the AB 617 Compliance Plan, which will be updated within 14 days after equipment has been moved, per Condition 7.

13. De-Permitted Equipment. Please add these engines back to the list of permitted equipment, they will be in storage and used as spare engines.

Response: The final permit includes these two engines, Device IDs 004367 and 008783.

March 8, 2023

Certified Mail 9171 9690 0935 0291 5715 83
Return Receipt Requested

Phillip Brown
Pacific Coast Energy Company LP
1555 Orcutt Hill Road
Orcutt, CA 93455

FID: 04214
Permit: A 15974
SSID: 02667

Re: Notice of Final Authority to Construct 15974 Issuance
Fee Due: $ 4,147

Dear Phillip Brown:

Enclosed is the final Authority to Construct (ATC) No. 15974 to install emissions control devices on derated internal combustion engines at the Orcutt Hill facility.

THIS IS NOT YOUR PERMIT TO OPERATE. PLEASE READ ALL PERMIT CONDITIONS CAREFULLY.

Please carefully review the enclosed documents to ensure that they accurately describe your facility and that the conditions are acceptable to you.

You should become familiar with all District rules pertaining to your facility. This permit does not relieve you of any requirements to obtain authority or permits from other governmental agencies.

This permit requires you to:

- Pay a **fee** of $4,147, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.

- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.

- Mail us the enclosed Start-up Notification postcard once you have completed construction of the permitted equipment and are ready to operate it.

- Apply for and obtain a Permit to Operate prior to commencing routine equipment operation.

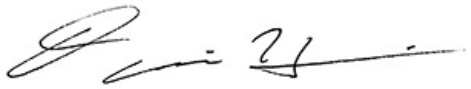
- Ensure that a copy of the enclosed permit is posted or kept readily available near the permitted equipment.

- Promptly report changes in ownership, operator, or your mailing address to the District.

If you are not satisfied with the conditions of this permit, **you have thirty (30) calendar days from the date of this permit issuance notice to appeal this permit to the Air Pollution Control District Hearing Board** (ref: California Health and Safety Code, §42302.1). Any contact, discussions, or meetings with District staff regarding the terms of this permit during or after permit issuance do not constitute an appeal under Rule 209 or the California H&SC and will not stop or alter the 30-day appeal period. Only a formal application to the Hearing Board can initiate an appeal. You may contact the Clerk of the Hearing Board for specific information concerning appeal initiation and procedures. If you accept the permit by commencing construction or operation of the newly permitted equipment, you forfeit any right to pursue an appeal of this permit action.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Charlotte Mountain of my staff at (805) 979-8314.

Sincerely,



David Harris, Division Manager
Engineering Division

enc: Final ATC 15974
Final Permit Evaluation
Invoice # A 15974
Start-up Notification Postcard

cc: Orcutt Hill IC Engines 04214 Project File
Marianne Strange
Engr Chron File
Accounting (Invoice only)
Charlotte Mountain (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\Oil&Gas\Major Sources\SSID 02667 Pacific Coast Energy Orcutt Hill\04214 IC Engines\ATCs\ATC 15974\ATC 15974 - Final Letter - 3-8-2023.docx

03/08/2023

INVOICE

BILL TO:	FACILITY:
Phillip Brown Pacific Coast Energy Company LP (103494) 1555 Orcutt Hill Road Orcutt, CA 93455	Orcutt Hill IC Engines 04214

Permit: Authority to Construct (ATC) No. 15974

Fee Type: Permit Evaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 4,147

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number A 15974
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 979-8050

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

ATTACHMENT C

District Board Resolution for Assembly Bill 617 – Reciprocating Internal Combustion Engines

March 16, 2023

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

IN THE MATTER OF ASSEMBLY BILL 617 – RECIPROCATING INTERNAL COMBUSTION ENGINES	APCD RESOLUTION NO. _____

RECITALS

WHEREAS, Santa Barbara County is designated nonattainment for the state ozone standard and the state standard for particulate matter less than 10 microns in diameter (PM_{10}).

WHEREAS, California Health and Safety Code Section 40920.6, as amended by California Assembly Bill 617 (2017), requires each California air district that is nonattainment for one or more air pollutants to adopt an expedited schedule for the implementation of Best Available Retrofit Control Technology (BARCT) on or before January 1, 2019, and the schedule must provide for the implementation of BARCT by the earliest feasible date, but in any event, not later than December 31, 2023; and

WHEREAS, the Assembly Bill 617 BARCT Rule Development Schedule, as adopted by the Board on December 20, 2018, included a commitment to conduct rulemaking procedures in order to evaluate and implement BARCT at the six industrial facilities in Santa Barbara County that were subject to the California Greenhouse Gas Cap-and-Trade Regulation as of January 1, 2017.

WHEREAS, amended Rule 333 – Reciprocating Internal Combustion Engines was included as a measure to be evaluated on the Assembly Bill 617 BARCT Rule Development Schedule.

WHEREAS, only one facility within the District's jurisdiction currently has equipment that would be subject to amended Rule 333 – Reciprocating Internal Combustion Engines.

WHEREAS, District staff performed a detailed analysis of available engine control technologies and the expected costs to fully meet all BARCT requirements being evaluated under amended Rule 333.

WHEREAS, the affected Assembly Bill 617 Industrial Facility that would be subject to amended Rule 333 has voluntarily submitted an Authority to Construct application to incorporate all BARCT standards for Reciprocating Internal Combustion Engines into its Permit to Operate for the applicable existing equipment, resulting in enforceable conditions that implement BARCT for Reciprocating Internal Combustion Engines no later than December 31, 2023.

NOW, THEREFORE, IT IS HEREBY RESOLVED, as follows:

1. Based on the information recited above, amendments to District Rule 333 are no longer necessary to satisfy the AB 617 BARCT requirements.
2. This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project pursuant to CEQA Guidelines section 15378(b)(5).

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PASSED, APPROVED AND ADOPTED by the Air Pollution Control District Board of the Santa Barbara County, State of California, this ___ day of _____, _____, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

SANTA BARBARA COUNTY
AIR POLLUTION CONTROL DISTRICT

By _____
Chair

Date _____

ATTEST:

AERON ARLIN GENET
Clerk of the Board

By _____
Deputy

APPROVED AS TO FORM:

RACHEL VAN MULLEM
Santa Barbara County Counsel

By _____
Jennifer Richardson (Mar 1, 2023 13:04 PST)
District Counsel

Agenda Item: G-3
Agenda Date: March 16, 2023
Agenda Placement: Regular
Estimated Time: 15 minutes
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: David Harris, Engineering Division Manager, (805) 979-8311

SUBJECT: District Permitting Program

RECOMMENDATION:

Receive and file a presentation from District staff on the District's permitting program.

BACKGROUND:

The District's Engineering Division implements a stationary source permitting program, pursuant to California Health and Safety Code §42300. The goals of the District's permitting program are to ensure that businesses are designed, constructed, and operated to minimize air pollution and to provide information to the District on the type and amount of air pollution generated.

DISCUSSION:

The U.S. Environmental Protection Agency and the California Air Resources Board have established health-based clean air standards and given the District primary responsibility for controlling air pollution from local stationary sources to help attain these standards. Air pollution is caused by large and small businesses, motor vehicles, consumer products, and natural sources. In order to develop a comprehensive strategy to achieve clean air, the District needs to know how much pollution is created by each source and must ensure that every business is operated to minimize the air pollution they cause.

To fulfill this responsibility, the District adopts rules in accordance with state and federal laws, and issues permits requiring compliance with these regulations. Permits specify conditions of construction and operation that are consistent with the District's county-wide clean air strategy, and quantify and track emissions that have been permitted to occur. To avoid confusion and

regulatory burden, we combine multiple local, state, and federal requirements into a single permit. Eliminating the need to issue multiple permits, enables for a more efficient process for both the applicant and the District.

Regulated Facilities

The District regulates "stationary sources" of air pollution. We do not regulate motor vehicles, marine vessels, trains, aircraft, consumer products, or "indoor" air pollution. The stationary sources we regulate include a broad range of industries, processes, and equipment as shown in the table below:

Permitted Facility / Equipment Examples	
Dry Cleaners	Gasoline stations
Autobody Shops	Combustion Equipment (e.g., boilers, process heaters, prime engines, diesel generators)
Onshore Oilfields	Offshore Oil Platforms
Landfill & Wastewater Treatment Plants	Commercial Space Operations
Contaminated Soil Clean-up Projects	Mineral Processing Facilities
Wineries	Cannabis Manufacturing Facilities

Permit Process

The basic permit process involves two steps. First, the applicant applies for an Authority to Construct (ATC) permit. This application is subject to a 30-day completeness review where staff determine whether the application has sufficient information for processing. Once deemed complete, the District has 180 days to make a final decision to issue or deny the permit.[1] Once issued, the ATC permit is valid for one year.

Construction begins when equipment is physically installed at the facility. After construction is completed, the company is allowed to temporarily operate the permitted equipment during what is termed a Source Compliance Demonstration Period (SCDP), which provides the permit holder time to shake down the equipment and work out any start-up operational issues. During the SCDP, the District inspects the facility and witnesses source testing[2], if applicable, to ensure that the equipment complies with the permit's conditions as well as applicable local, state, and federal rules and regulations.

Upon successfully demonstrating that the permitted equipment complies with all applicable requirements, the business then applies for a Permit to Operate (PTO) within a timeframe stipulated in the ATC permit. Once issued, this operating permit governs operation of the permitted equipment for a three-year period. During this time, District staff perform field inspections, reviews data submittals, and observes source tests. After three years, the permit is reevaluated, revised if needed, and then re-issued for another three-year period.

Elements of a District Permit

In general, all District permits contain similar information and permit conditions. All permits include the facility name, location, the company that owns and operates the equipment, and a unique permit number. Permit conditions normally include emission limits, which restrict how

[1] Reference: District Rule 208 and California Government Code §65952.

[2] Source tests involve extracting emission samples from the permitted equipment for detailed analysis. Results are compared to the permitted emission levels in the ATC permit.

much pollution the equipment can emit; operational restrictions, which ensure compliance with the emission limits and require the equipment be operated to minimize air pollution; and monitoring, recordkeeping, and reporting requirements, which require the data necessary for the District to evaluate compliance, is monitored, recorded, and reported. In addition, all permits contain an engineering evaluation that discusses the applicable federal, state and local rules, regulations and requirements, as well as any other analyses that were performed during the permitting process.

New Source Review

New Source Review (NSR) is an important tool to help the District attain and maintain all State and Federal ambient air quality standards while still allowing for new businesses to open and existing businesses to expand. All permit applications for new sources and modifications to existing sources are subject to NSR. NSR requirements include Best Available Control Technology (BACT), Air Quality Impact Analysis (AQIA), Offsets, and Public Noticing. During completeness review, District staff evaluate permit applications to determine which NSR requirements apply. In general, larger projects and modifications at larger sources trigger more NSR requirements.

Permit Data

The District's Engineering Division processes approximately 600 permitting actions per year. We currently have 187 permit applications being processed and 28 permit applications being reviewed for completeness. Overall, the District has 2,271 active permits at 1,397 permitted facilities. Approximately 39% of the permits we issue are for combustion equipment, 22% are oil and gas related, 10% are for gas stations and other fuel storage operations, 10% are for businesses that use coatings and solvents, and the remaining 18% are divided amongst various other industries and equipment that we permit. The District's online Permitted Facilities Map tool is a useful tool to find permitted facilities throughout the county and download their current operating permits.

FISCAL IMPACT:

The costs for the District's permitting efforts and activities described above are included in the budget approved by your Board. There are no additional fiscal impacts.