



San Francisco International Airport

April 29, 2024

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Via email to: compliance@baaqmd.gov

TV Tracking #: 902

1. RECEIVED IN
ENFORCEMENT: 4/29/2024

Attn: Title V Reports

Subject: San Francisco International Airport (SFO) Facility #A1784
Annual Compliance Certification Report April 1, 2023 – March 31,
2024 Semi-annual Monitoring Report October 1, 2023 – March 31,
2024

Director of Compliance and Enforcement:

Pursuant to Standard Conditions F and G of the Title V Major Facility Review Permit for San Francisco International Airport (SFO) #A1784, SFO is submitting the subject report.

If you have any questions, please contact Sarah Scheidt (Environmental Operations Manager) at 650-821-5384 or by email at sarah.scheidt@flysfo.com.

Thank you,



Ivar C. Satero
Airport Director

Enclosure

cc: Director of the Air Division, US EPA, Region 9, Lakin.Matthew@epa.gov
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Facility Name: San Francisco International Airport

Permit for Facility #: A1784

April 1, 2023 – March 31, 2024 Annual Compliance Certification and Semi-Annual Monitoring Report

SAN FRANCISCO INTERNATIONAL AIRPORT

Major Facility Review Permit #A1784

April 1, 2023 – March 31, 2024

**Annual Compliance Certification
and**

**October 1, 2023 – March 31, 2024
Semi-Annual Monitoring Report**

TABLE OF CONTENTS

- 1. Compliance Statement**
- 2. Introduction**
- 3. Instances of Non-Compliance**
- 4. Compliance Schedule**
 - a. Source-Specific Applicable Requirements (Table IV from the permit)**
 - b. Applicable Limits and Compliance Monitoring Requirements (Table VII from the permit)**

Reports of Required Monitoring Attachments:

- 1. Visible Emissions Evaluation Report for Source S1 – Sludge Gas Burner (Flare)**
- 2. Hydrogen Sulfide Monitoring for Anaerobic Digester Gas – Source S-170**
- 3. List and Compliance Status of the New Sources not included in Tables IV and VII of the Title V Permit**

Facility Name: San Francisco International Airport
Permit for Facility #: A1784

April 1, 2023 – March 31, 2024 Annual Compliance Certification and Semi-Annual Monitoring Report

1. Compliance Statement

**Facility: San Francisco International Airport
San Francisco, CA 94128**

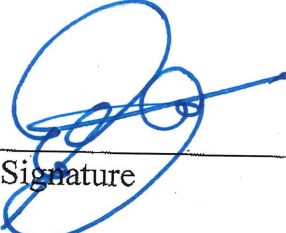
Facility ID: A1784

Reporting Period: April 1, 2023 to March 31, 2024

The compliance certification provided below is pursuant to the San Francisco International Airport Major Facility Review Permit Standard Conditions F (Monitoring Reports) and G (Compliance Certification).

Certification by Responsible Official

Based upon information and belief formed after a reasonable inquiry, as a Responsible Official of the above-mentioned facility, I certify that the statements and information contained in this report are true, accurate, and complete for the reporting period indicated above.



Signature

4/24/24

Date

Ivar C. Satero
Type name

Airport Director
Title

2. INTRODUCTION

This Annual Report and Compliance Certification for San Francisco International Airport's (SFO or the Airport) Title V Permit identifies all instances of non-compliance, compliance status for applicable requirements for existing and new sources, and contains reports of required monitoring for the Annual reporting period April 1, 2023 – March 31, 2024, and the Semi-Annual Monitoring Report for October 1, 2023 – March 31, 2024.

Attachment 1 – H2S Hydrogen Sulfide Monitoring provides the results of monthly monitoring of hydrogen sulfide (H2S) for Source S170. Under the conditions of the permit, H2S content in the digester gas is not to exceed 2,250 ppm. Under Permit Condition #18329, Part 7, if the Airport can demonstrate three (3) months of digester sulfur results lower than 450 ppm, the monitoring frequency for sulfur analysis may be reduced to at least once every calendar month. As allowed under Condition #18329, Part 7, the Airport switched to monthly monitoring beginning in August 2017.

Attachment 2 - Visible Emissions Evaluation provides the Visible Emission Evaluation Report for Source S1.

Attachment 3 – New Sources provides List and Compliance Status of the New Sources not included in Tables IV and VII of the Title V Permit.

3. INSTANCES OF NON-COMPLIANCE

Notices of Violation:

During this reporting period, the Bay Area Air Quality Management District (“BAAQMD”) issued SFO five Notices of Violation (“NOV”). On August 23, 2023, BAAQMD issued NOV Nos. A62879, A62880, A62881, on August 29, 2023, issued NOV No. A62403, and on March 12, 2024 issued NOV No. A62890. Additional information about these NOV's is included below. The required reports were submitted to BAAQMD as detailed in Title V Deviation and Follow-Up Reporting below.

1. Notice of Violation #A62879 identifies the basis of the violation as Regulation 2, Rule 6, Section 307, Non-compliance Major Facility Review, Exceeding 12-Months in one location for Sources 560 and 570. Both sources are portable, non-road engine emergency generators. Sources 560 and 570 are listed in Table II D (Sources Exempt from Title V Permitting) of SFO's Title V Permit as exempt under Regulation 2-6-114 for Non-Road Engines. Neither SFO's Title V Permit nor the Permit to Operate for Plant #1784 (Permit to Operate) contain any condition mandating a 12-month limitation on operating portable generators in one location. However, Sources 560 and 570 are portable generators subject to Condition #18666 of SFO's Permit to Operate and by residing at the same location for more than 12 months, no longer

meet the definition of “portable” per the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated At 50 Horsepower and Greater, and Cal. Code Regs. Tit. 17, § 93116.2(29).

Background: Sources 560 and 570 are permitted in SFO’s Permit to Operate as portable standby emergency generators rated at 749 and 744 HP, respectively. Source 560 was placed at Firehouse #3 on January 31, 2020 to serve as temporary emergency backup because the permanent stationary source for this location (Source 1025) became non-operational due to parts malfunction. Source 570 was placed at SFO’s Central Plant on October 6, 2020 to serve as temporary emergency backup because the permanent stationary source for this location (Source 510) became non-operational due to parts malfunction. Sources 560 and 570 each ran one hour in the immediately preceding 12-month period, well below the permitted 100 hours for reliability testing or in anticipation of imminent emergency conditions equating to a loss of power. Sources 560 and 570 are 1988 models and would not meet current emissions standards and therefore cannot be permitted as stationary emergency generators.

Analysis and Corrective Action: During the pandemic beginning in 2020, SFO suffered from reduced staffing as well as supply chain issues, which led to significant delays in repairing permanent Sources 510 and 1025. SFO recently received approval to move forward with the procurement process for contracting repairs to these sources and anticipates that the repairs will be completed, and the sources put back into service by June 2024.

Until the stationary repairs are completed, Sources 560 and 570 are essential to provide emergency backup power as needed at these locations. They are essential to the health and safety of SFO operations.

During discussions on August 23, 2023, Mr. Rodriguez advised SFO staff that there are two paths for addressing this violation: 1) an enforcement agreement between BAAQMD and SFO, or 2) applying for a variance with BAAQMD. SFO prefers to negotiate and enter into an enforcement agreement with BAAQMD. Once the stationary permanent generators are repaired, SFO is willing to consider removing the old portable generators 560 and 570 from service and replacing them with newer generators that meet current emission standards. We would register the newer equipment through the California Air Resources Board’s (CARB) Statewide Portable Equipment Registration Program (PERP).

Next steps: In October 2023, the San Francisco City Attorney’s Office first contacted Somerset Perry with the BAAQMD Legal Division and had initial discussions regarding a settlement and compliance agreement. On November 7, 2023, the City Attorney’s Office sent to Mr. Perry via email background information on the NOV and reiterated the request for a settlement and compliance agreement. No response has been received to date.

2. Notice of Violation A62880 identifies the basis of the violation as Regulation 2, Rule 6, Section 307, Non-compliance, Major Facility Review, Exceeding ozone limit (0.2 ppm) per Permit Condition 26841.5. SFO's Permit to Operate requires Source 770 (ozone generators) and A770 (ozone destruction units) to comply with Permit Condition # 26841, which requires that "The owner/operator shall keep the ozone outlet concentration less than 0.20 ppm."

Background: In November 2017, SFO timely submitted permit renewal application # 28973 for its Title V Permit, which included the proposed addition of ozone generators and destruction units at the Mel Leong Treatment Plant (MLTP). In February 2020, SFO began commissioning operations of the ozone generators and destruction system. SFO was issued an Authority to Construct and a Permit to Operate for the ozone generators and destruction system on September 8, 2020, and May 4, 2021, respectively. The ozone generators and destruction system were assigned Source 770 for purposes of the Permit to Operate.

June 2023 Excursion Discovery and Reporting: As a result of a June 2023 inspection of the MLTP by BAAQMD inspector Dick Hansen Rodriguez, SFO learned of several excursions of the ozone generators and destruction system above 0.2 ppm. By letter dated July 5, 2023, SFO notified BAAQMD that since February 10, 2020, there were 56 instances where ozone was above 0.2 ppm, recorded as hourly maximum values, noting that SFO was conducting additional analysis of the data to determine the exact nature, extent, and cause of the ozone excursions. After a more thorough data review, SFO provided the required 30-day follow-up report dated August 7, 2023, which documented that since February 21, 2020, there have been 60 instances where ozone was above 0.2 ppm, recorded as hourly maximum values. These excursions occurred for various durations (between one second and 13.5 minutes) on 27 days between February 21, 2020 and June 28, 2022, at one or both outlet vents to the ozone destruct system. The cumulative amount of time the ozone concentration was above 0.2 ppm was 2 hours, 42 minutes, and 7 seconds. Additional details can be found in the August 7, 2023 letter.

Analysis and Corrective Action: SFO's investigation and analysis revealed that most of the excursions occurred under two conditions: (1) the minor excursions were primarily associated with startup and shutdown of the system; and (2) the larger excursions appear to coincide with high flow conditions in the downstream Biologically Active Filter feed tanks, which we believe resulted in a higher than normal water level in the ozone contact chamber, causing a higher concentration of ozone in the headspace. During SFO's investigation, we discovered some related equipment that is not in proper working order and we are in the process of repairing and replacing that equipment, tentatively scheduled for April 2024.

The ozone generators and destruct system have been non-operational since

February 14, 2023. Due to difficulty obtaining components, we do not anticipate operating the ozone system in the near term and there is no projected startup date. SFO has contracted with Xylem to perform calibrations, inspection, and maintenance on the system. In April 2023, Xylem attempted to service the system but was unable to complete the work due to lack of parts and programming issues. SFO has engaged the services of an engineering consulting firm to further analyze the conditions during the excursions and make recommendations (e.g., system tuning, logic changes, partial reengineering of the ozone destruct system) to eliminate the excursions. This evaluation is currently ongoing.

Next steps: As indicated in its August 7, 2023 letter, SFO has included (and will include in future reports) Source 770 in the List and Compliance Status of New Sources not included in Tables IV and VII of the Title V Permit in the Annual and Semi-Annual Title V Permit reports.

3. Notice of Violation #62881 identifies the basis of the violation as Regulation 2, Rule 1, Sections 301 and 302 - No authority to construct and no permit to operate for nine portable non-road engines (five water pumps and four generators). The NOV requires that within 30 days a permit application for these sources must be submitted to BAAQMD's Permit Division.

Analysis and Corrective Action: Upon further evaluation it was determined that SFO has seven unpermitted portable generators between 55 and 1490 bhp, and seven unpermitted portable non-road diesel engines between 50-100 bhp that provide power for pumps¹. Five of the portable generators and five of the portable pumps are EPA Certified Diesel-fueled Non-Road Engines that may be eligible for registration under CARB's PERP. SFO coordinated with the City and County of San Francisco (as a large fleet Owner or Operator) to submit PERP applications for the ten units that meet emissions standards for Certified Diesel-fueled Non-Road Engines and referenced Notice of Violation A62881 on the application for each unit. The applications were submitted on September 19, 2023.

CARB subsequently issued Registrations for four portable generators on January 1, 2024. Four applications are still pending for the portable pump engines. Three temporary rental pumps were brought onsite to use as needed, in place of the unpermitted pumps, until the Registrations are secured for the permanent pumps. One application for a generator and one application for a pump engine were subsequently denied as only meeting interim Tier 4.

Three of SFOs unpermitted portable non-road diesel engines that provide power for pumps do not meet emission standards for Certified Diesel-fueled Non-Road Engines. Three of the unpermitted portable generators also do not meet emission standards. Therefore, these engines are not able to be registered under CARB's

PERP or otherwise permitted. SFO auctioned off and decommissioned the three pumps and three generators, respectively, that do not meet emission standards.

Next Steps: SFO will follow up with CARB on the status of the pending four portable pump Registration Applications.

4. Notice of Violation #62403 identifies the basis of the violation as District Regulation 8, Rule 7, Section 301.5. A Phase 1 fill-side adaptor (dry disconnect valve) at the vehicle gasoline dispensing facility (Source 1030) was found to be defective and leaking. A contracted technician visited the site on August 30, 2023 to inspect the valve. A contractor replaced the valve on September 19, 2023. BAAQMD reinspected on October 11, 2023.
5. Notice of Violation #A62890 identifies the basis of the violation as Regulation 2, Rule 6, Section 307 (Non-compliance Major Facility Review) and notes Source 1026 exceeded reliability-related activities usage limit of 34 hours per year, per Permit Condition #22851. Source 1026 is a stationary emergency diesel fire pump located at Boarding Area G. The timeframe identified in the NOV is September 30, 2022 to present.

Background: Source 1026 is a stationary diesel fire pump located at Boarding Area G. Permit to Operate Condition No. 22851 limits reliability-related testing to no more than 34 hours per year, which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association 25 – Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems. The Airport’s Permit to Operate lists the basis for this Condition 22851 as “Stationary Diesel Engine ATCM” section 93115, Title 17, California Code of Regulations. Additionally, Permit to Operate Condition No. 22851.2 limits operation of the fire pump engines to mitigation of emergency conditions, emission testing, or reliability-related activities.

Analysis and Corrective Action: After repairs were made to the fire suppression system, a valve was inadvertently left in the closed position. This caused a pressure drop which activated the pump automatically. As a result, the total run-time hours between September 30, 2022 and October 5, 2023 was 139 hours. Excluding the maximum annual reliability-related testing of 34 hours, the total run time was 105 hours. The valve is now in the open position and the pump has not been activated since the valve was opened, except for monthly reliability-related testing. Maintenance staff have received training on appropriate procedures to avoid a recurrence of this violation.

Title V Deviation and Follow-Up Reporting:

SFO provided Title V Deviation and Follow-Up Reporting as summarized below:

- a. On July 5, 2023, SFO submitted a Report of Non-Compliance pursuant to Condition 1.F. of SFO's Title V Permit to self-report and to disclose non-compliance with certain conditions for Source 770 (ozone generators and 770A ozone destruct units). SFO's Permit to Operate (Plant# 1784) requires Source 770 (ozone generators) and A770 (ozone destruction units) to comply with Permit Condition # 26841. Permit Condition # 26841 Part 5 requires that "The owner/operator shall keep the ozone outlet concentration less than 0.20 ppm." SFO submitted the 30-day follow-up report on August 7, 2023.

BAAQMD issued NOV No. A62880 for this violation on August 23, 2023. SFO again submitted 10-day deviation and 30-day follow-up reports on September 1, 2023, as described above.

- b. On September 1, 2023, SFO submitted to BAAQMD responses to Notices of Violation A62879, A62880, and A62881 that served as the 10-day deviation and 30-day follow-up reports required by Permit Standard Condition 1.F of the Airport's Title V Permit, as described above.
- c. On September 7, 2023, SFO submitted to BAAQMD a 10-day deviation report for Notice of Violation A62403, as required by Permit Standard Condition 1.F of the Airport's Title V Permit and described above. On September 28, 2023, SFO submitted the 30-day follow-up report for this violation.
- d. On March 21, 2023, SFO submitted to BAAQMD response to Notice of Violation A62890 that served as the 10-day deviation and 30-day follow-up reports required by Permit Standard Condition 1.F of the Airport's Title V Permit, as described above.

Other Non-Compliance:

In preparing this report, the additional instances of non-compliance listed below were identified, and are reported in Tables VII-A through VII-J in Section 4 of this report, as applicable. Please note that some of these instances of non-compliance actually appear to be related to administrative or recordkeeping errors rather than actual violations.

- ***Sources S-14, S-15***

Condition 24716 Part 5 requires annual source testing on S-13. S-13 was retired over a decade ago and had been removed from the Permit to Operate. S-14 and S-15 are required to have annual source testing per Rule 9-7-506. SFO's Permit to Operate incorrectly references S-13 and SFO is assuming the intent of the permit condition is to monitor annually per Rule 9-7-506 for Sources 14 and 15. The last source test was conducted in November 2020. The Airport is in the process of contracting with a qualified source testing company to perform the required source testing. S-14 has been out of service since May 9, 2023.

- ***Sources S-16, S-17***

Condition 25080 Part 7 requires biennial testing of these sources; however, Rule 9-7-506 was amended May 4, 2011 to require annual testing for these sources. The last source test was conducted in November 2020. The Airport is in the process of contracting with a qualified source testing company to perform the required source testing. S-16 has been out of service since May 8, 2023, and S-17 has been out of service since October 27, 2022.

- **Sources S-330, S-410, S-420, S430, S-460, S480, S-500, S-520**

These sources are required to have a visual emissions testing after 1000 gallons of fuel oil is burned. All of these sources have exceeded 1000 gallons since their respective visual emissions tests were performed. The Airport is in the process of contracting with a qualified source testing company to perform the required source testing.

- **Sources S-110, S-160, and S-170**

In November 2022, SFO submitted Application #31974 to BAAQMD for Authority to Construct (ATC) the following facilities at the Municipal Sewage Treatment Plant: 1) the addition of an odor scrubber abatement device for existing Source-110 the Municipal Sewage Preliminary Treatment Headworks, to reduce emissions; 2) replacement of the belt press with two centrifuges constituting an alteration of S-160, with no emission increase, and 3) replacement of the existing S-1 Flare as an abatement device for S-170 constituting an alteration with no increase in emissions. Airport staff have timely responded to relatively recent BAAQMD requests for additional information on the ATC application. BAAQMD staff recently advised that this additional information has not been reviewed and to date, the application has not been deemed complete. A BAAQMD inspector was onsite in August 2023, and was made aware of the construction, operation, and pending application status.

4. COMPLIANCE SCHEDULE:

For reporting purposes, Tables IV-A through IV-J and Tables VII-A through VII-J have been copied from the current facility permit, and a column has been added to indicate compliance status, which is noted by the abbreviations explained in this paragraph. Abbreviation CC indicates that the source was in continuous compliance for the reporting period. Abbreviation NC indicates that the source was in non-compliance some time during the reporting period and is not indicative of continuous non-compliance. Furthermore, any source that indicates non-compliance with any requirement does not necessarily mean that the source is not compliant at the time this report was prepared or submitted. Abbreviation Y indicates presumptive compliance where standard practices or the nature of the operation is expected to maintain the source in compliance or where the records do not

exist because there was no observable emission. Abbreviation NA is used where monitoring for compliance is not required and, therefore, is not applicable.

Please see Tables IV-A through IV-J and VII-A through VII-J below. New sources not included in these tables are set forth in Attachment 3.

4A. COMPLIANCE STATUS TABLES SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S1 – SLUDGE GAS BURNER (FLARE)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-107	Combination of Emissions	N	Y
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-107	Combination of Emissions	Y	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)	Y	Y
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds-Miscellaneous Operation (7/20/05)	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
SIP Regulation 8, Rule 2	Organic Compounds-Miscellaneous Operation (3/22/95)	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	Y	Y

Table IV - A
Source-specific Applicable Requirements
S1 – SLUDGE GAS BURNER (FLARE)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations	Y	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/1999)		Y
9-2-301	Limitations on Hydrogen Sulfide	N	Y
BAAQMD Condition # 18329			
Part 4	S1 abates emissions from S170 at all times (basis: 1-301, 8-2-301)	Y	CC
Part 5	Flare recordkeeping (basis: 2-6-409.2)	Y	CC
Part 6	Digester Gas hydrogen sulfide limit (basis: 9-1-302)Monitoring (2-6-409.2)	Y	CC
Part 7	Digester Gas hydrogen sulfide monitoring (basis: 9-1-301)		CC

Table IV – C
Source-specific Applicable Requirements
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	Y

Table IV – C
Source-specific Applicable Requirements
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 8, Rule 1	Organic Compounds – General Solvent and Surface Coating Operations (8/15/94)		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	Y
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	Y
8-1-322	Spray Equipment Clean-up Limitation	Y	Y
BAAQMD Regulation 8, Rule 19	Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)		
8-19-302	Limits	Y	Y
8-19-302.2	Air-Dried Coatings	Y	Y
8-19-307	Prohibition of Specification	Y	Y
8-19-312	Specialty Coating Limitations	Y	Y
8-19-312.2	High Gloss	Y	Y
8-19-312.3	Heat Resistant	Y	Y
8-19-312.4	High Performance Architectural	Y	Y
8-19-312.5	Metallic Topcoat	Y	Y
8-19-312.7	Pretreatment Wash Primer	Y	Y
8-19-312.8	Silicone Release	Y	Y
8-19-312.9	Solar Absorbant	Y	Y
8-19-312.12	Extreme Performance	Y	Y
8-19-312.13	High Temperature	Y	Y
8-19-313	Spray Applications Equipment Limitations	Y	Y
8-19.-320	Solvent Evaporative Loss Minimization	Y	Y
8-19-407	Specialty Coating Petition	Y	Y
8-19-501	Records	Y	Y

Table IV – C1
Source-specific Applicable Requirements
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Condition # 7502			
Part 1	Coating usage limit [basis: Cumulative Increase]	Y	CC
Part 2	Net solvent usage limit [basis: Cumulative Increase]	Y	CC
Part 3	Recordkeeping [basis: Cumulative Increase]	Y	CC

Table IV – C2
Source-specific Applicable Requirements
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Condition # 7502			
Part 4	Coating usage limit [basis: Cumulative Increase]	Y	CC
Part 5	Net solvent usage limit [basis: Cumulative Increase]	Y	CC
Part 6	Recordkeeping [basis: Cumulative Increase]	Y	CC

Table IV - D
Source-specific Applicable Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-310.3	0.15 grain per dscf at 6% O ₂	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
6-310.3	0.15 grain per dscf at 6% O ₂	Y	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAQMD Regulation 9, Rule 7	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)		
9-7-113	Limited Exemption, Natural Gas Curtailment and Testing	N	Y
9-7-114	Limited Exemption, Tune-Up	N	Y
9-7-115	Limited Exemption, Startup and Shutdown	N	Y
9-7-301	Interim Emissions Limit, Gaseous Fuel	N	Y
9-7-301.1	Performance Standard, NO _x , Gaseous Fuel	Y	Y
9-7-301.2	Performance Standard, NO _x , Non-gaseous Fuel	Y	Y
9-7-301.3	Performance Standard, NO _x , Combination of Fuels	N	Y
9-7-301.4	Performance Standard, CO	Y	Y
9-7-307.5	Final Emission Limits	N	Y
9-7-308	Compliance Schedule	N	Y

Table IV - D
Source-specific Applicable Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
9-7-310	Prohibition of Commerce in Uncertified Devices	N	Y
9-7-311	Insulation Requirements	N	Y
9-7-312	Stack Gas Temperature Limits	N	Y
9-7-313	Tune-Up Requirements	N	Y
9-7-403	Initial Demonstration of Compliance	N	Y
9-7-501	Combinations of Different Fuels	Y	Y
9-7-503	Records	Y	Y
9-7-503.1	Tune-up Records	N	Y
9-7-503.2	Documentation verifying natural gas unavailable for use	Y	Y
9-7-503.3	Non-gaseous Fuel Testing and Usage Records	N	Y
9-7-503.4	Source Testing Results	Y	Y
9-7-506	Periodic Testing	N	NC
SIP Regulation 9, Rule 7	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)		
9-7-301	Emissions Limit, Gaseous Fuel	Y	Y
9-7-301.1	Performance Standard, NOx	Y	Y
9-7-301.2	Performance Standard, CO	Y	Y
9-7-305	Natural Gas Curtailment – Non-Gaseous-Fuel	Y	Y
9-7-305.1	Performance Standard, NOx	Y	Y
9-7-305.2	Performance Standard, CO	Y	Y
9-7-306	Equipment Testing - Non-Gaseous Fuel	Y	Y
9-7-306.1	Performance Standard, NOx	Y	Y
9-7-306.2	Performance Standard, CO	Y	Y
9-7-306.3	Operating Standard, Equipment Testing	Y	Y
9-7-503	Records	Y	Y
9-7-503.2	Documentation verifying natural gas unavailable for use	Y	Y
9-7-503.3	Documentation of hours of equipment testing	Y	Y
9-7-503.4	Source Testing Results	Y	Y
BAAQMD Condition # 24716	Applicable to S14 and S15		

Table IV - D
Source-specific Applicable Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
Part 1	NOx and CO emission limits firing Natural Gas [basis: BACT]	Y	CC
Part 2	NOx and CO emission limits firing fuel oil [basis: BACT]	Y	CC
Part 3	Annual firing rate limit [basis: Cumulative Increase]	Y	CC
Part 4	Recordkeeping [basis: Cumulative Increase]	Y	CC
Part 5	Annual Source Test Requirement [basis: Cumulative Increase, BACT, Regulation 2-6-409.2]*	Y	NC
Part 6	Fuel oil sulfur content certification [basis: Regulation 2-6-409.2]	Y	Y
Part 7	Visible emissions monitoring [basis: Regulation 2-6-409.2]	Y	CC
BAAQMD Condition # 25080	Applicable to S16 and S17		
Part 1	Fire exclusively with natural gas [basis: Cumulative Increase]	Y	CC
Part 2	Annual and hourly firing rate limits [basis: Cumulative Increase]	Y	CC
Part 3	Natural gas meter and recordkeeping requirements [basis: Cumulative Increase]	Y	CC
Part 4	NOx emission limits [basis: Cumulative Increase, BACT]	Y	CC
Part 5	CO emission limits [basis: Cumulative Increase, BACT]	Y	CC
Part 7	Biennial Source Test Requirement [basis: Cumulative Increase, BACT, Regulation 2-1-403]	Y	NC

*Permit to operate incorrectly references S-13 and SFO is assuming the intent to monitor annually per Rule 9-7-506 for Sources 14 and 15.

Table IV – F
Source-specific Applicable Requirements
S100 -MUNICIPAL WASTEWATER TREATMENT PLANT; S110 - PRELIMINARY TREATMENT;
S121 SEQUENTIAL BATCH REACTOR NO. 1; S122 SEQUENTIAL BATCH REACTOR NO. 2;
S123 SEQUENTIAL BATCH REACTOR NO. 3; S131 INFLUENT FLOW EQUALIZATION BASIN NO. 1 (FORMERLY S120); S132 INFLUENT FLOW EQUALIZATION BASIN NO. 2 (FORMERLY S130); S133 EFFLUENT FLOW EQUALIZATION BASIN;
S150 - (SLUDGE HANDLING PROCESSES)DISINFECTION;
S160 - SLUDGE HANDLING PROCESSES; S161 WASTE HOLDING TANK (FORMERLY S140); S180 – RECLAMATION;
S200 - INDUSTRIAL WASTEWATER PLANT; S210 - PRIMARY TREATMENT;
S220 - FLOW EQUALIZATION; S230 - SECONDARY TREATMENT;
S240 - SECONDARY CLARIFIERS; S250 – DISINFECTION;
S260 - SLUDGE HANDLING PROCESSES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds-Miscellaneous Operation (6/15/94)		
8-2-301	Miscellaneous Operations Standards	Y	Y
BAAQMD Condition # 18329			
Part 1	Industrial Wastewater Discharge Limit (basis: Regulation 2-1-234)	Y	CC
Part 2	Sanitary Sewer Discharge Limit (Regulation 2-1-234)	Y	CC
Part 3	Recordkeeping (basis: Regulation 2-6-409.2)	Y	CC

Table IV - G
Source-specific Applicable Requirements
S170 - ANAEROBIC DIGESTERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds-Miscellaneous Operation (6/15/94)		
8-2-301	Miscellaneous Operations Standards	Y	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations of Hydrogen Sulfide	N	Y
BAAQMD Condition # 18329			
Part 4	Odor abatement by S1 flare at all times(basis: Regulation 1-301, 8-2-301)	Y	CC
Part 5	Flaring recordkeeping (basis: Regulation 2-6-409.2)	Y	CC
Part 6	Digester Gas sulfur limit (basis: Regulation 9-1-302)	Y	CC
Part 7	Sulfur Monitoring (basis: Regulation 9-1-302)	Y	CC

Table IV - H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/2007)		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations on SO2	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-331.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-331.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-331.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y

Table IV - H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(b)(3)	Emission and operation standards	N	Y
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	Y
93115.6(b)(3)(A)(1)	General Requirements	N	Y
93115.6(b)(3)(A)(1)(a)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate ≥ 0.40 g/bhp-hr,	N	Y
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 30 hrs/year when PM emitted at a rate < 0.40 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(c)	Operating for maintenance and testing limited to 100 hrs/year when PM emitted at a rate < 0.01 g/bhp-hr	N	Y
93115.6(b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y
93115.10(e)	Monitoring Equipment	N	Y
93115.10(e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	Y
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	Y
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	Y
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	Y
93115.13(a)(1)	...off-road engine certification test data for the stationary diesel-fueled CI engine,	N	Y

Table IV - H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
93115.13 (a)(2)	...engine manufacturer test data,	N	Y
93115.13 (a)(3)	... emissions test data from a similar engine,	N	Y
93115.13 (a)(4)	...emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented, or	N	Y
93115.13 (a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	Y
93115.15	Severability	N	Y
BAAQMD Condition # 18324			
Part 2a	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-331]	N	CC
Part 2b	Hours of operation limit for emergency use [basis: Regulation 9-8-331]	N	CC
Part 3a	Monitoring [basis: Regulation 9-8-530]	Y	CC
Part 3b	Recordkeeping [basis: Regulation 9-8-503]	Y	CC
Part 4	Fuel Oil Certification [basis: Regulation 2-6-409.2]	Y	CC
BAAQMD Condition 22820			
Part 1	Hours of operation limit for reliability-related activities [basis: “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 2	Emergency use [basis: Regulation 9-8-330, “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 3	Totalizing Meter [basis: “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	CC
Part 4	Recordkeeping [basis: Regulation 2-6-501, “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	CC
Part 5	At School or Near School Operation	Y	CC

Table IV - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S550 EMERGENCY
GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/2007)		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines		

**Table IV - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S550 EMERGENCY
GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(b)(3)	Emission and operation standards	N	Y
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	Y
93115.6(b)(3)(A)(1)	General Requirements	N	Y
93115.6(b)(3)(A)(1)(a)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate ≥ 0.40 g/bhp-hr,	N	Y
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 30 hrs/year when PM emitted at a rate < 0.40 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(c)	Operating for maintenance and testing limited to 100 hrs/year when PM emitted at a rate < 0.01 g/bhp-hr	N	Y
93115.6(b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y
93115.10(e)	Monitoring Equipment	N	Y
93115.10(e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	Y
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	Y
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	Y

Table IV - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S550 EMERGENCY
GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	Y
93115.13(a)(1)	...off-road engine certification test data for the stationary diesel-fueled CI engine,	N	Y
93115.13(a)(2)	...engine manufacturer test data,	N	Y
93115.13(a)(3)	... emissions test data from a similar engine,	N	Y
93115.13(a)(4)	...emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented, or	N	Y
93115.13(a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	Y
93115.15	Severability	N	Y
BAAQMD Condition # 18666			
Part 2a	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330]	N	CC
Part 2b	Hours of operation limit for emergency use [basis: Regulation 9-8-330]	N	CC
Part 3a	Monitoring [basis: Regulation 9-8-530]	Y	CC
Part 3b	Recordkeeping [basis: Regulation 9-8-530]	Y	CC
Part 4	Fuel Oil Certification [basis: Regulation 2-6-409.2]	Y	CC
BAAQMD Condition 22820			
Part 1	Hours of operation limit for reliability-related activities [basis: “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 2	Emergency use [basis: Regulation 9-8-330, “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 3	Totalizing Meter [basis: “Stationary Diesel Engine ATCM” CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	CC

Table IV - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S550 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
Part 4	Recordkeeping [basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2)]	Y	CC

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/2007)		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y	
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles		Y
6-310	Particulate Weight Limitation	Y	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(a)	New Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(a)(3)	Emission and operation standards	N	Y
93115.6(a)(3)(A)(1)(a)	Diesel PM Standard	N	Y
93115.6(a)(3)(B)	HC,NOx, NMHC+NOx, CO Standards: Meet Tier 2	N	Y
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(b)(3)	Emission and operation standards	N	Y
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	Y
93115.6(b)(3)(A)(1)	General Requirements	N	Y

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
93115.6(b)(3)(A)(1)(a)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate ≥ 0.40 g/bhp-hr,	N	Y
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 30 hrs/year when PM emitted at a rate < 0.40 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(c)	Operating for maintenance and testing limited to 100 hrs/year when PM emitted at a rate < 0.01 g/bhp-hr	N	Y
93115.6(b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y
93115.10(e)	Monitoring Equipment	N	Y
93115.10(e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	Y
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	Y
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	Y
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	Y
93115.13(a)(1)	...off-road engine certification test data for the stationary diesel-fueled CI engine,	N	Y
93115.13(a)(2)	...engine manufacturer test data,	N	Y
93115.13(a)(3)	... emissions test data from a similar engine,	N	Y
93115.13(a)(4)	...emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented, or	N	Y
93115.13(a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	Y
93115.15	Severability	N	Y
40 CFR 60 Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006) Applies to S680, S690, S700 and S710 only		

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
60.4200	Applicability	Y	Y
60.4200(a)	Applicable to owners/operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	Y
60.4200(a)(2)	Stationary CI ICE that were constructed after 7/11/2005 where	Y	Y
60.4200(a)(2)(i)	Manufactured after April 1, 2006, and are not fire pump engines	Y	Y
60.4202	Emission standards for emergency stationary CI ICE manufacturers [required by 60.4205(b)]	Y	Y
60.4202(a)	Emission standards for 2007 model year or later and HP < 3000 and displacement < 10 liters/cylinder comply with.(a)(1) or (a)(2)	Y	Y
60.4202(a)(2)	HP>50 comply with emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007	Y	Y
60.4205	Emission standards for emergency stationary CI ICE	Y	Y
60.4205(b)	2007 model year and later with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202	Y	Y
60.4206	Meet emission standards for the life of the engine	Y	Y
60.4207	Fuel requirements for stationary CI ICE	Y	Y
60.4207(b)	For displacement < 30 liters/cylinder, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel	Y	Y
60.4209	Monitoring requirements for stationary CI ICE	Y	Y
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	Y
60.4209(b)	Diesel particulate filter must be installed with backpressure monitor to indicate when the high backpressure limit of the engine is approached	Y	Y
60.4211	Owner/operator compliance requirements for IC ICE	?	Y
60.4211(a)(1)	Operate and maintain stationary CI ICE and control device per manufacturer's emission related written instructions.	Y	Y
60.4211(a)(2)	Change only those emission-related settings that are permitted by the manufacturer.	Y	Y
60.4211(a)(3)	Meet the requirements of 40 CFR parts 89, 94 and/or 1068	Y	Y
60.4211(c)	Owner/operator of 2007 model year or later must install and configure engine according to the manufacturer's emission-related specifications	?	Y
60.4211(f)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is	Y	Y

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
	prohibited.		
60.4211(g)	Alternative compliance determination if owner/operator does not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions		Y
60.4214	Notification, reporting, and recordkeeping requirements for stationary CI ICE	Y	Y
60.4214(b)	Initial notification is not required for emergency engines.	Y	Y
60.4214(c)	Maintain records of any corrective action taken if backpressure monitor indicates that high backpressure limit has been approached	Y	Y
40 CFR 63 Subpart ZZZZ	NESHAPS for Stationary Reciprocating Internal Combustion Engines (3/3/2010) Applies to S680, S690, S700 and S710 only		
63.6585	Applicability stationary RICE at a major or area source of HAP emissions	Y	Y
63.6585(a)	Definition: stationary RICE	Y	Y
63.6585(c)	Definition: area source of HAPs	Y	Y
63.6590	Affected sources	Y	Y
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major or area source of HAP emissions	Y	Y
63.6590(a)(1)	Existing stationary RICE is:	Y	Y
63.6590(a)(1)(iii)	Located at an area source of HAP emissions, constructed before <u>6/12/2006</u>	Y	Y
63.6590(a)(2)	New stationary RICE is:	Y	Y
63.6590(a)(2)(iii)	Located at an area source of HAP emissions, constructed on or after <u>6/12/2006</u>		Y
63.6590(b)	Stationary RICE subject to limited requirements	Y	Y
63.6590(b)(3)	The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements	Y	Y
63.6590(b)(3)(vii)	Existing commercial emergency stationary RICE located at an area source of HAP emissions	Y	Y
63.6590(b)(3)(viii)	Existing institutional emergency stationary RICE located at an area source of HAP emissions	Y	Y
63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.	Y	Y

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
63.6590(c)(1)	A new or reconstructed stationary RICE located at an area source	Y	Y
BAAQMD Condition 22336	Applies to S-660		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase]	Y	CC
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	CC
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	CC
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	CC
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	CC
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	CC
BAAQMD Condition 22356	Applies to S-640		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase, BACT]	Y	CC
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	CC
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	CC
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	CC
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	CC
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	CC
BAAQMD Condition 22357	Applies to S-650		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase, BACT]	Y	CC
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	CC
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	CC
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	CC
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	CC
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	CC

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Condition 22820	Applies to S-680 and S-710		
Part 1	Hours of operation limit for reliability-related activities [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 2	Emergency use [basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 3	Totalizing Meter [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	CC
Part 4	Recordkeeping [basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2)]	Y	CC
BAAQMD Condition 22825	Applies to S-690 and S-700		
Part 1	Hours of operation limit for reliability-related activities [basis: Regulation 2-5]	Y	CC
Part 2	Emergency use [basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	Y	CC
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	CC
Part 4	Recordkeeping [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1) or (e)(2)(B)(2)]	Y	CC

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2023-3/31/2024 compliance status
BAAQMD Condition 22850	Applies to S-670 and S-720		
Part 1	Hours of operation limit for reliability-related activities [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	Y	CC
Part 2	Emergency use [basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	Y	CC
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	CC
Part 4	Recordkeeping [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1) or (e)(2)(B)(2)]	Y	CC

1. (b). APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section summarizes the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – SLUDGE GAS BURNER (FLARE)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check	CC
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check	CC
SO ₂	BAAQMD 9-1-301	Y		GLC ¹ ≤ 0.5 ppm for 3 min or ≤ 0.25 ppm for 60 min or ≤ 0.05 ppm for 24 hours	None	N	NA	NA
SO ₂	BAAQMD 9-1-302	Y		SO ₂ shall not exceed 300 ppm (dry)	Condition # 18329, Parts 6 and 7	P/W	monitoring of digester gas hydrogen sulfide	CC (for digester gas hydrogen sulfide)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – SLUDGE GAS BURNER (FLARE)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
H2S	Condition # 18329 Part 6	Y		2,250 ppm	Condition # 18329, Parts 6 and 7	P/W (Weekly or monthly monitoring as allowed per VI, Permit Conditions, Condition #18329, No. 7)	Monitoring of digester gas hydrogen sulfide	CC
H ₂ S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm, averaged over 60 minutes	BAAQMD 9-2-501 9-2-602	C	Area Monitoring	NA The District has not notified SFO under BAAQMD 9-2-501 that monitoring is required
POC	BAAQMD 8-2-301	Y		15 lb/day and greater than 300 ppm total carbon	None	N	None	NA
Hours of Operation	Condition # 18329 Part 4	Y		At all times abating S170	BAAQMD Condition # 18329 Part 5	P/E	Records	Y

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check	Y
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAQMD 8-19-302	Y		Air-Dried Coatings VOC ≤ 340 g/l (2.8 lb/gal)	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.2	Y		Specialty Coating High Gloss VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.3	Y		Specialty Coating Heat Resistant VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.4	Y		Specialty Coating High Performance Architectural VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.5	Y		Specialty Coating Metallic Topcoat VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.7	Y		Specialty Coating Pretreatment Wash Primer VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
VOC	BAAQMD 8-19-312.8	Y		Specialty Coating Silicone Release VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.9	Y		Specialty Coating Solar Absorbant VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.12	Y		Specialty Coating Extreme Performance VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.13	Y		Specialty Coating High Temperature VOC ≤ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC

Table VII – C1
S8 – REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Through-put	Condition # 7502, Part 1	Y		Coating Usage ≤ 250 gals/yr	Condition # 7502, Part 3	P/A	Records	CC
Through-put	Condition # 7502, Part 2	Y		Net Clean-up Solvent Usage ≤ 125 gals/yr	Condition # 7502, Part 3	P/A	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C2
S9 – CUSTOM AIR AUTO SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Through-put	Condition # 7502, Part 4	Y		Coating Usage ≤ 250 gals/yr	Condition # 7502, Part 6	P/A	Records	CC
Through-put	Condition # 7502, Part 5	Y		Net Clean-up Solvent Usage ≤ 125 gals/yr	Condition # 7502, Part 6	P/A	Records	CC

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
NOx	SIP 9-7-301.1	Y		30 ppmv @ 3%O ₂ , dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	Condition # 24716, Part 1	Y		9 ppmv @ 3%O ₂ , dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	Condition # 24716, Part 2	Y		100 ppmv @ 3%O ₂ , dry, 3-hr average (fuel oil fired)	None	N	None	NA
NOx (S16 and S17)	Condition # 25080, Part 4	Y		9 ppmv @ 3%O ₂ , dry, 3-hr average	Condition # 25080, Part 7	P/2	Source Test	Y
NOx	BAAQMD 9-7-307.5	N		9 ppmv @ 3%O ₂ , dry, 3-hr average	BAAQMD 9-7-403 9-7-506	P/A	Source Test	Y

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
NOx (S14 and S15)	BAAQMD 9-7-113.2 SIP 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	BAAQMD 9-7-113.2 SIP 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	BAAQMD 9-7-307.5	N		400 ppmv @ 3%O2, dry, 3-hr average	BAAQMD 9-7-403 9-7-506	P/A	Source Test	Y
CO	SIP 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO (S14 and S15)	Condition # 24716, Part 1	Y		50 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO (S14 and S15)	Condition # 24716, Part 2	Y		50 ppmv @ 3%O2, dry, 3-hr average (fuel oil fired)	None	N	None	NA
CO (S16 and S17)	Condition # 25080, Part 5	Y		50 ppmv @ 3%O2, dry, 3-hr average	Condition # 25080, Part 7	P/2 years	Source Test	Y
Opacity (S14 and S15)	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S14 – HIGH TEMPERATURE HOT WATER GENERATOR
S15 – HIGH TEMPERATURE HOT WATER GENERATOR
S16 – HIGH TEMPERATURE HOT WATER GENERATOR
S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
FP (S14 and S15)	BAAQMD 6-1-310.3 SIP 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check	NA
SO2	BAAQMD 9-1-301	Y		GLC ¹ ≤0.5 ppm for 3 min or ≤0.25 ppm for 60 min or ≤0.05 ppm for 24 hours	None	N	None	NA
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None	NA
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 24716, Part 6	P/E	Fuel Oil Certification	Y
Heat Input (S14 and S15)	Condition # 24716, Part 3	Y		Natural Gas not to exceed 4,500,000 therms/Consecutive 12-months	Condition # 24716, Part 4	P/M	Records	CC
Heat Input (S16)	Condition # 25080, Part 2	Y		Natural Gas not to exceed 1,217,260 therms/Consecutive 12-months	Condition # 25080, Part 3	P/M	Records	CC
Heat Input (S17)	Condition # 25080, Part 2	Y		Natural Gas not to exceed 1,208,390 therms/Consecutive 12-months	Condition # 25080, Part 3	P/M	Records	CC
Total Heat Input (S14 through S17)	Condition # 25080, Part 2	Y		Natural Gas not to exceed 1,560 therms/hour	Condition # 25080, Part 3	P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D

Applicable Limits and Compliance Monitoring Requirements

S14 – HIGH TEMPERATURE HOT WATER GENERATOR

S15 – HIGH TEMPERATURE HOT WATER GENERATOR

S16 – HIGH TEMPERATURE HOT WATER GENERATOR

S17 – HIGH TEMPERATURE HOT WATER GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Equipment Testing	BAAQMD 9-7-113.1 SIP 9-7-306.3	Y		Hours of Equipment Testing ≤ 48/yr	BAAQMD 9-7-503.3 & Condition # 18329 Part 6	P/E	Records	CC

Table VII – F

S100 -MUNICIPAL WASTEWATER TREATMENT PLANT; S110 - PRELIMINARY TREATMENT;

S121 SEQUENTIAL BATCH REACTOR NO. 1; S122 SEQUENTIAL BATCH REACTOR NO. 2; S123 SEQUENTIAL BATCH REACTOR NO. 3; S131 INFLUENT FLOW EQUALIZATION BASIN NO. 1 (FORMERLY S120); S132 INFLUENT FLOW EQUALIZATION BASIN NO. 2 (FORMERLY S130); S133 EFFLUENT FLOW EQUALIZATION BASIN;

S150 - (SLUDGE HANDLING PROCESSES)DISINFECTION;

S160 - SLUDGE HANDLING PROCESSES; S161 WASTE HOLDING TANK (FORMERLY S140); S180 – RECLAMATION;

S200 - INDUSTRIAL WASTEWATER PLANT; S210 - PRIMARY TREATMENT;

S220 - FLOW EQUALIZATION; S230 - SECONDARY TREATMENT;

S240 - SECONDARY CLARIFIERS; S250 – DISINFECTION;

S260 - SLUDGE HANDLING PROCESSES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check	Y

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F

S100 -MUNICIPAL WASTEWATER TREATMENT PLANT; S110 - PRELIMINARY TREATMENT;

S121 SEQUENTIAL BATCH REACTOR NO. 1; S122 SEQUENTIAL BATCH REACTOR NO. 2; S123 SEQUENTIAL BATCH REACTOR NO. 3; S131 INFLUENT FLOW EQUALIZATION BASIN NO. 1 (FORMERLY S120); S132 INFLUENT FLOW EQUALIZATION BASIN NO. 2 (FORMERLY S130); S133 EFFLUENT FLOW EQUALIZATION BASIN;

S150 - (SLUDGE HANDLING PROCESSES)DISINFECTION;

S160 - SLUDGE HANDLING PROCESSES; S161 WASTE HOLDING TANK (FORMERLY S140); S180 – RECLAMATION;

S200 - INDUSTRIAL WASTEWATER PLANT; S210 - PRIMARY TREATMENT;

S220 - FLOW EQUALIZATION; S230 - SECONDARY TREATMENT;

S240 - SECONDARY CLARIFIERS; S250 – DISINFECTION;

S260 - SLUDGE HANDLING PROCESSES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAQMD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None	NA
Through-put	BAAQMD Condition # 18329 Part 1	Y		Industrial Wastewater Discharge < 1.7 E6 gal/day during November through May; < 1.2 E6 gal/day during June through October	BAAQMD Condition # 18329 Part 3	P/D & P/M	Records	CC
Through-put	BAAQMD Condition # 18329 Part 2	Y		Sanitary Sewer Discharge < 2.2 E6 gal/day	BAAQMD Condition # 18329 Part 3	P/D & P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
S170 - ANAEROBIC DIGESTERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check	CC
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAQMD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None	NA
Odors	BAAQMD 1-301	N		None	BAAQMD Condition # 18329 Part 5	P/E	Records	CC
H ₂ S	BAAQMD Regulation 9-2-301	N		0.06 ppm H ₂ S over 3 min or 0.03 ppm H ₂ S over 60 min	None	N	None	NA
Digester Gas Sulfur Content	BAAQMD Condition 18329 Part 6	Y		2,250 ppm	BAAQMD Condition 18329 Part 7	P/W (Weekly or monthly monitoring as allowed per VI, Permit Conditions, Condition #18329, No. 7	Weekly digester gas testing (or monthly as allowed under Permit)	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check	CC
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check	CC
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(b)(3)(A)(1)(a)	N		> 0.40 g/bhp-hr for 20 hour/year operating limit	None	N	None	NA
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
Emergency	BAAQMD 9-8-331.1 & Condition # 18324 Part 2b	N		Unlimited Emergency Operation	BAAMQD 9-8-530 & Condition # 18324 Part 3b	P/M	Records	CC
Reliability Related Activities	BAAQMD 9-8-331.3 & Condition # 18324 Part 2a	N		Hours of Reliability Related Activities ≤ 100/yr	BAAMQD 9-8-530 & Condition # 18324 Part 3b	P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Reliability Related Activities	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(a) & Condition 22820 Part 1	N		Hours of Reliability Related Activities \leq 20/yr	BAAMQD 9-8-530 & Condition # 22820 Part 4	P/M	Records	CC

**Table VII - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S-550 EMERGENCY GENERATORS**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18666, Part 1	P/1000 gal fuel oil	Visible Emissions Check	NC
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	Condition # 18666, Part 1	P/1000 gal fuel oil	Visible Emissions Check	NC
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(a)	N		> 0.40 g/bhp-hr for 20 hour/year operating limit	None	N	None	NA
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - I
S-29, S-290, S-320 THROUGH S-340 AND S-360 THROUGH S-550 EMERGENCY
GENERATORS**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y
Emergency	BAAQMD 9-8-330.1 & Condition # 18666 Part 2b	N		Unlimited Emergency Operation	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records	CC
Reliability Related Activities	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(a) & Condition 22820 Part 1	N		Hours of Reliability Related Activities ≤ 20/yr	BAAMQD 9-8-530 & Condition # 22820 Part 4	P/M	Records	CC
Reliability Related Activities	BAAQMD 9-8-330.3 & Condition # 18666 Part 2a	N		Hours of Reliability Related Activities ≤ 50/yr	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
NMHC + NOx S680, S690, S700 and S710	CCR, Title 17, Section 93115.6(a)(3)(B)	N		4.8 g/bhp-hr	CCR, Title 17, Section 93115.10(a)(3)	P/E	Initial Report of Engine Emission Factors	CC
NMHC + NOx S680, S690, S700 and S710	40 CFR 60.4205(b)	Y		4.8 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions	CC
CO S680, S690, S700 and S710	CCR, Title 17, Section 93115.6(a)(3)(B)	N		2.6 g/bhp-hr	CCR, Title 17, Section 93115.10(a)(3)	P/E	Initial Report of Engine Emission Factors	CC
CO S680, S690, S700 and S710	40 CFR 60.4205(b)	Y		2.6 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions	CC
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check	CC
PM S680, S690, S700 and S710	CCR, Title 17, Section 93115.6(a)(3)(B)	N		0.15 g/bhp-hr	CCR, Title 17, Section 93115.10(a)(3)	P/E	Initial Report of Engine Emission Factors	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
PM S680, S690, S700 and S710	40 CFR 60.4205(b)	Y		0.15 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions	CC
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	None	N	None	NA
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(a)	N		> 0.40 g/bhp-hr for 20 hour/year operating limit	None	N	None	NA
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(b)	N		< 0.40 g/bhp-hr for 30 hour/year operating limit	None	N	None	NA
Diesel Particulate Matter	CCR, Title 17, Section 93115.6(b) (3)(A)(2)(b)	N		< 0.15 g/bhp-hr for 20 hour/year operating limit	None	N	None	NA
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	None	NA
SO2 S640	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
SO2 S660	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None	NA
SO2 S640	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	None	N	None	NA
SO2 S640	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y
SO2	CCR, Title 17, Section 93115.5	Y		Sulfur Content of Fuel Oil ≤ 0.05 wt% (CARB Diesel)	None	N	None	NA
SO2 S640	Condition # 22356, Part 1	Y		Sulfur Content of Fuel Oil ≤ 0.05 wt%	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	Condition # 22357, Part 1	Y		Sulfur Content of Fuel Oil ≤ 0.05 wt%	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	Condition # 22336, Part 1	Y		Sulfur Content of Fuel Oil ≤ 0.05 wt%	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
SO2	40 CFR 60.4207(b)	Y		Use diesel fuel that meets 15 ppm sulfur content per 40 CFR 80.510(b) for nonroad diesel	None	N	N/A	NA
Emergency	BAAQMD 9-8-330.1	N		Unlimited Emergency Operation	BAAMQD 9-8-530	P/M	Records	CC
Emergency S640	Condition # 22356 Part 2	N		Unlimited Emergency Operation	Condition # 22356 Part 6	P/M	Records	CC
Emergency S650	Condition # 22357 Part 2	N		Unlimited Emergency Operation	Condition # 22357 Part 6	P/M	Records	CC
Emergency S660	Condition # 22336 Part 2	N		Unlimited Emergency Operation	Condition # 22336 Part 6	P/M	Records	CC
Emergency S680 S710	Condition # 22820 Part 2	N		Unlimited Emergency Operation	Condition # 22820 Part 4	P/M	Records	CC
Emergency S690 S700	Condition # 22825 Part 2	N		Unlimited Emergency Operation	Condition # 22825 Part 4	P/M	Records	CC
Emergency S670	Condition # 22850 Part 2	N		Unlimited Emergency Operation	Condition # 22850 Part 4	P/M	Records	CC
Reliability Related Activities S640	CCR, Title 17, Section 93115.6(b) (3)(A)(2)(b) & Condition # 22356 Part 2	N		Hours of Reliability Related Activities ≤ 50/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22356 Part 6	P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Reliability Related Activities S650	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(b) & Condition # 22357 Part 2	N		Hours of Reliability Related Activities \leq 30/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22357 Part 6	P/M	Records	CC
Reliability Related Activities S660	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(b) & Condition # 22336 Part 2	N		Hours of Reliability Related Activities \leq 30/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22336 Part 6	P/M	Records	CC
Reliability Related Activities S670	CCR, Title 17, Section 93115.6(b) (3)(A)(2)(b) & Condition 22850 Part 1	N		Hours of Reliability Related Activities \leq 50/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22850 Part 4	P/M	Records	CC
Reliability Related Activities S680 S710	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(a) & Condition 22820 Part 1	N		Hours of Reliability Related Activities \leq 20/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22820 Part 4	P/M	Records	CC

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	4/1/2023-3/31/2024 compliance status
Reliability Related Activities S690 S700	CCR, Title 17, Section 93115.6(b) (3)(A)(1)(b) & Condition 22825 Part 1	N		Hours of Reliability Related Activities ≤ 25/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22825 Part 4	P/M	Records	CC

ATTACHMENT 1

Hydrogen Sulfide Monitoring for Anaerobic Digester Gas – Source S-170

SAN FRANCISCO INTERNATIONAL AIRPORT
 MEL LEONG TREATMENT PLANT (Sanitary Plant)
 Bay Area Air Quality Management District - Permit for Facility # A1784

ANAEROBIC DIGESTER GAS

Hydrogen Sulfide Monitoring for Source S-170

Monitoring Type: Hydrogen Sulfide in Digester Gas

Limit: H2S: 2250 ppm; monthly monitoring if < 450 ppm; when > 450PPM, weekly measurements until < 450PPM for 3 Months

Method: CMS Analyzer, X-act 7000, Draeger, using
 Hydrogen sulfide chips 2-50 ppm, 20-500 ppm, and 100-2500 ppm or 0.1-50 ppm and 100-2000 ppm

Date	Time	Hydrogen Sulfide (ppm)	H2S Monitor	H2S chip Batch Lot	Analysts
4/3/2023	13:35	3.5	ARRJ-3458	ARRH-0992	RH/KF
5/5/2023	9:30	231	ARUA-0137	ARPJ-0571	RH/KF
6/14/2023	10:00	81	ARUA-0137	ARPJ-0571	RH/KF
7/12/2023	8:30	161	ARRJ-3458	ARRK-0311	RH/KF
8/17/2023	8:50	304	ARRJ-3458	ARRK-0311	RH/KF
9/7/2023	8:40	208	ARRJ-3458	ARRK-0311	RH/KF
10/2/2023	9:50	215	ARRJ-3458	ARRK-0311	RH/KF
11/6/2023	9:30	2.1	ARRN-6898	ARRH-0992	RH/KF
12/13/2023	9:45	100	ARRN-6898	ARRK-0311	RH/KF
1/4/2024	11:30	182	ARRN-6898	ARRK-0311	RH/KF
2/9/2024	11:00	5.0	ARRN-6898	ARRH-0992	RH/KF
3/18/2024	10:30	35	ARRJ-3458	ARRH-0992	RH/KF

ATTACHMENT 2

Visible Emission Report for Source S-1 – Sludge Digester Gas Burner Flare

SAN FRANCISCO INTERNATIONAL AIRPORT
 MEL LEONG TREATMENT PLANT (Sanitary Plant)
 Bay Area Air Quality Management District - Permit for Facility # A1784

SLUDGE GAS BURNER FLARE

Opacity Monitoring for Source S-1

Monitoring Type: Visible Emissions Check
Monitoring Frequency: Periodic per event
Limit: Ringelmann 1.0 for < 3 minutes in any hour
Method: Ringelmann Chart

Date	Time	Ringelmann Chart Reading	Result	% Smoke Density	Analysts
4/3/2023	13:40	0	0	0	RH/KF
5/5/2023	9:25	0	0	0	RH/KF
6/14/2023	10:10	0	0	0	RH/KF
7/12/2023	9:00	0	0	0	RH/KF
8/17/2023	8:45	0	0	0	RH/KF
9/7/2023	8:45	0	0	0	RH/KF
10/2/2023	9:45	0	0	0	RH/KF
11/6/2023	9:28	0	0	0	RH/KF
12/13/2023	9:50	0	0	0	RH/KF
1/4/2024	11:35	0	0	0	RH/KF
2/9/2024	10:50	0	0	0	RH/KF
3/18/2024	10:32	0	0	0	RH/KF

ATTACHMENT 3

List and Compliance Status of the New Sources not included in Tables IV and VII of the Title V Permit

Source No.	Description	Conditions	April 1, 2023 through March 30, 2024 Compliance Status
730	BAE A: Emergency Standby Generator	22850	CC
740	Bldg. 632: Emergency Standby Generator	22850	CC
750	BAE B: Emergency Standby Generator	22850	CC
770	Ozone Abatement System	26841	NC
1001	60 S McDonnell Emergency Standby Generator	22834	CC
1002	60 S McDonnell Emergency Standby Generator	22834	CC
1003	60 S McDonnell Emergency Standby Generator	22834	CC
1004	60 S McDonnell Emergency Standby Generator	22834	CC
1010	1057 N access Rd Emergency Standby Generator	22850	CC
1011	Garage A: Emergency Standby Diesel Fire Pump	22851	CC
1012	Garage G: Emergency Standby Diesel Fire Pump	22851	CC
1013	Concourse H/Bart: Emergency Standby Diesel Fire Pump	22851	CC
1019	Long Term Parking Garage No. 2 Emergency Standby Generator	22850	CC
1023	Terminal 1C Emergency Standby Generator	22850	CC
1025	Firehouse #3 Emergency Standby Generator	22850	CC
1026	Boarding Area G: Emergency Standby Diesel Fire Pump	22851	NC
1027	Terminal 1 BAB, G1 Emergency Standby Generator	22850	CC
1028	Terminal 1 BAB, G2 Emergency Standby Generator	22850	CC
1030	Gasoline Dispensing Facility	16472, 26550, 26870, 26551	NC
1031	Superbay Pump House, Emergency Standby Generator	22850	CC
1032	Standby Diesel Engine Connector Building	27498, 22850	CC
TBD	Municipal Sewage Facilities: 1) Addition of an odor scrubber abatement device for existing Source-110 the Municipal Sewage Preliminary Treatment Headworks, reducing emissions; 2) Replacement of the belt press with two centrifuges constituting an alteration of S-160, with no emission increase, and 3) replacement of the existing S-1 Flare as an abatement device for	BAAQMD Regulation 2-1-301 and 302	NC

	S-170 constituting an alteration with no increase in emissions.		
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