

October 28, 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](mailto:compliance@baaqmd.gov)

TV Tracking # 1002 (Semi-Annual)

1.  RECEIVED IN  
ENFORCEMENT: 10/30/2024

Attn: Title V Reports

Subject: San Francisco International Airport (SFO) Facility #A1784  
Semi-Annual Monitoring Report, April 1, 2024 – September 30, 2024

Dear Director of Compliance and Enforcement, Bay Area Air Quality Management District:

Pursuant to Standard Conditions F and G of the Title V Major Facility Review Permit for San Francisco International Airport (SFO) #A1784, SFO submits 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](mailto:sarah.scheidt@flysfo.com).

Very truly yours,



Ivar C. Satero  
Airport Director

Enclosure

cc: Director of the Air Division, US EPA, Region 9  
Dick Hansen Rodriguez, BAAQMD  
Sarah Scheidt, Environmental Operations Manager, SFO

Facility Name: San Francisco International Airport  
Permit for Facility #: A1784  
April 1, 2024 – September 30, 2024, Semi-Annual Monitoring Report

# SAN FRANCISCO INTERNATIONAL AIRPORT

## Major Facility Review Permit #A1784

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**April 1, 2024 – September 30, 2024**  
**Semi-Annual Monitoring Report**

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### **Reports of Required Monitoring Attachments:**

- 1. Visible Emissions Evaluation Report for Source S1 – Sludge Gas Burner (Flare)**
- 2. Visible Emissions Evaluation Report for S-330, S-380, S-410, S-430, S-460, S-480, S-520**
- 3. Hydrogen Sulfide Monitoring for Anaerobic Digester Gas – Source S-170**
- 4. 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, 2024 – September 30, 2024, Semi-Annual Monitoring Report

1. COMPLIANCE STATEMENT

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

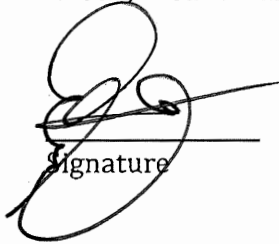
**Facility ID: A1784**

**Reporting Period: April 1, 2024 to September 30, 2024**

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

Certification by Responsible Official

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



Signature

10/29/24  
Date

Ivar C. Satero  
Type name

Airport Director  
Title

## 2. INTRODUCTION

This Semi-Annual Report 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 reporting period April 1, 2024 – September 30, 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 Conditions #18329, No. 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, No.7, the Airport switched to monthly monitoring beginning in August 2017.

Attachment 2 - Visible Emissions Evaluation Report for S-330, S-380, S-400, S-410, S-430

Attachment 3 - Visible Emissions Evaluation provides the Visible Emission Evaluation Report for Source S-1.

Attachment 4 – 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”) did not issue any Notices of Violation (“NOV”) and the Airport had no new instances of non-compliance.

NOV received and reported during the previous annual report include NOV Nos. A62879, A62880, and A62881, issued on August 23, 2023; NOV No. A62403, issued August 29, 2024; and NOV No. A62890, issued March 12, 2024. Additional follow up information about these NOV's is included below. The required reports were submitted to BAAQMD as required per Title V Deviation and Follow-Up Reporting Requirements.

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.

Analysis and Corrective Action: SFO now has a contractor engaged to repair emergency generators. Source 510 was repaired on June 10, 2024, and S-570 was removed and placed back into storage. Source 1025 is anticipated to be repaired by December 2024. Until Source 1025 is repaired, S-560 will remain in place and is essential to provide emergency backup power as needed at this location.

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 identified 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."

All components were repaired in April 2024, and the system is operating without additional exceedances.

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).

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 pumps. Four of the portable generators and four of the portable pumps are EPA Certified Diesel-fueled Non-Road Engines eligible for registration under CARB's PERP. SFO coordinated with the City and County of San Francisco (CCSF -as a large fleet Owner or Operator) to submit PERP applications for the eight 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.

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 decommissioned three generators, respectively, that do not meet emission standards.

Next Steps: SFO followed up with CCSF and CARB on the status of the pending four portable pump Registration Applications. The nameplate with engine family number on it was missing from one of the engines and we are still waiting for the manufacturer to resupply it.

**Other Previously Reported Non-Compliance:**

The additional instances of non-compliance listed below were identified and reported in the previous reporting period, 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. 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. S-14 was out of service from May 9, 2023 through February 05, 2024, and is not able to be operated locally, as the display is inoperable. Source 15 is the only fully operational hot water boiler of the four onsite. 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 once operating conditions allow

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

Condition 25080 Part 7 requires biennial testing of these sources; however, Rule 9-7-506 was amended May 04, 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-400, S-420, S-440, S-500***

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. S-400, S-440, and S-500 are inaccessible for testing under load due to construction. S-420 is currently out of service due to a fuel issue.

- ***Source S-1032***

Condition 27498 requires a source test Source 1032 at commissioning and once every three years. No source tests have been performed. The Airport has engaged a contractor to develop a source test plan and perform the 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. A BAAQMD inspector was onsite in August 2023, and was made aware of the construction, operation, and pending application status. Airport staff have timely responded all BAAQMD requests for additional information on the ATC application, most recently submitting updated forms in March, 2024. Multiple follow up emails were sent, with no response from BAAQMD permit engineers. On July 18<sup>th</sup>, 2024, BAAQMD staff advised that this additional information has not been reviewed and to date, the application has not been deemed complete.



**Title V Deviation and Follow-Up Reporting:** No new instances of non-compliance during the reporting period.

**4. COMPLIANCE SCHEDULE:**

For reporting purpose, 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.

**5. 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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/4/11)</b>		
1-107	Combination of Emissions	N	Y
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-107	Combination of Emissions	Y	Y
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter and Visible Emissions (12/5/07)</b>	Y	Y
6-1-301	Ringelmann No. 1 Limitation	N	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)	4/1/24 through 9/30/24 compliance status
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operation (7/20/05)</b>	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
<b>SIP Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operation (3/22/95)</b>	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</b>		Y
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations	Y	Y
<b>BAAQMD Regulation 9, Rule 2</b>	<b>Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/1999)</b>		Y
9-2-301	Limitations on Hydrogen Sulfide	N	Y
<b>BAAQMD Condition # 18329</b>			
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter and Visible Emissions (12/5/07)</b>		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Solvent and Surface Coating Operations (8/15/94)</b>		
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
<b>BAAQMD Regulation 8, Rule 19</b>	<b>Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)</b>		
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

**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)	4/1/24 through 9/30/24 compliance status
8-19-312.9	Solar Absorbent	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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Condition # 7502</b>			
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Condition # 7502</b>			
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter and Visible Emissions (12/5/07)</b>		
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 <sub>2</sub>	N	Y
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
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 <sub>2</sub>	Y	Y

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**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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</b>		
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
<b>BAAQMD Regulation 9, Rule 7</b>	<b>Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)</b>		
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, NOx, Gaseous Fuel	Y	Y
9-7-301.2	Performance Standard, NOx, Non-gaseous Fuel	Y	Y
9-7-301.3	Performance Standard, NOx, 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
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

**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)	4/1/24 through 9/30/24 compliance status
<b>SIP Regulation 9, Rule 7</b>	<b>Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)</b>		
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
<b>BAAQMD Condition # 24716</b>	<b>Applicable to S14 and S15</b>		
Part 1	NOx and CO emission limits firing Natural Gas [basis: BACT]	Y	Y
Part 2	NOx and CO emission limits firing fuel oil [basis: BACT]	Y	Y
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
<b>BAAQMD Condition # 25080</b>	<b>Applicable to S16 and S17</b>		

**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)	4/1/24 through 9/30/24 compliance status
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	Y
Part 5	CO emission limits [basis: Cumulative Increase, BACT]	Y	Y
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter and Visible Emissions (12/5/07)</b>		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operation (6/15/94)</b>		
8-2-301	Miscellaneous Operations Standards	Y	Y
<b>BAAQMD Condition # 18329</b>			
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter and Visible Emissions (12/5/07)</b>		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operation (6/15/94)</b>		
8-2-301	Miscellaneous Operations Standards	Y	Y
<b>BAAQMD Regulation 9, Rule 2</b>	<b>Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)</b>		
9-2-301	Limitations of Hydrogen Sulfide	N	Y
<b>BAAQMD Condition # 18329</b>			
Part 4	Odor abatement by S1flare 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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/2007)</b>		
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
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</b>		
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
<b>BAAQMD Regulation 9, Rule 8</b>	<b>Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)</b>		
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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines</b>		
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 $\geq 0.40$ 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, NO <sub>x</sub> , NMHC+NO <sub>x</sub> , 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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
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
<b>BAAQMD Condition # 18324</b>			
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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/2007)</b>		
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
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
<b>BAAQMD Regulation 9, Rule 8</b>	<b>Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)</b>		
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
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines</b>		
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

**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)	4/1/24 through 9/30/24 compliance status
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 $\geq 0.40$ 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, NO <sub>x</sub> , NMHC+NO <sub>x</sub> , 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)	...off-road engine certification test data, in two places, cover let	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



**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)	4/1/24 through 9/30/24 compliance status
93115.15	Severability	N	Y
<b>BAAQMD Condition # 18666</b>			
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
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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/2007)</b>		
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
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>	Y	
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles		Y
6-310	Particulate Weight Limitation	Y	Y
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
<b>BAAQMD Regulation 9, Rule 8</b>	<b>Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)</b>		
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
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines</b>		
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 - J**  
**S640 THROUGH S720 EMERGENCY GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 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(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
93115.6(b)(3)(A)(1)(a)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate $\geq 0.40$ 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

**Table IV - J**  
**S640 THROUGH S720 EMERGENCY GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
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
<b>40 CFR 60 Subpart III</b>	<b>Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006)</b> <b>Applies to S680, S690, S700 and S710 only</b>		
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

**Table IV - J**  
**S640 THROUGH S720 EMERGENCY GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
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 prohibited.	Y	Y
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

**Table IV - J**  
**S640 THROUGH S720 EMERGENCY GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
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
<b>40 CFR 63 Subpart ZZZZ</b>	<b>NESHAPS for Stationary Reciprocating Internal Combustion Engines (3/3/2010)</b> <b>Applies to S680, S690, S700 and S710 only</b>		
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)	<u>Located at an area source of HAP emissions, constructed before 6/12/2006</u>	Y	Y
63.6590(a)(2)	New stationary RICE is:	Y	Y
63.6590(a)(2)(iii)	<u>Located at an area source of HAP emissions, constructed on or after 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
63.6590(c)(1)	A new or reconstructed stationary RICE located at an area source	Y	Y

**Table IV - J**  
**S640 THROUGH S720 EMERGENCY GENERATORS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Condition 22336</b>	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
<b>BAAQMD Condition 22356</b>	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
<b>BAAQMD Condition 22357</b>	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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Condition 22820</b>	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
<b>BAAQMD Condition 22825</b>	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)	4/1/24 through 9/30/24 compliance status
<b>BAAQMD Condition 22850</b>	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

**4B. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS**

This section summarizes the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of the Airport’s Title V 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	4/1/24 through 9/30/24 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
SO2	BAAQMD 9-1-301	Y		GLC <sup>1</sup> ≤0.5 ppm for 3 min or ≤0.25 ppm for 60 min or ≤0.05 ppm for 24 hours	None	N	NA	NA
SO2	BAAQMD 9-1-302	Y		SO2 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)

**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	4/1/24 through 9/30/24 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 <sub>2</sub> S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: $\leq 0.06$ ppm, averaged over 3 minutes and $\leq 0.03$ ppm, averaged over 60 minutes	BAAQMD 9-2-501 9-2-602	C	Area Monitoring	NA The District has not notified SFO that the 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

**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	4/1/24 through 9/30/24 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

**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	4/1/24 through 9/30/24 compliance status
VOC	BAAQMD 8-19-312.7	Y		Specialty Coating Pretreatment Wash Primer VOC $\leq$ 420 g/l (3.5 lb/gal);	BAAQMD 8-19-501	P/E	Records	CC
VOC	BAAQMD 8-19-312.8	Y		Specialty Coating Silicone Release VOC $\leq$ 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 $\leq$ 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 $\leq$ 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 $\leq$ 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	4/1/24 through 9/30/24 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

**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	4/1/24 through 9/30/24 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	4/1/24 through 9/30/24 compliance status
NOx	SIP 9-7-301.1	Y		30 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA

**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	4/1/24 through 9/30/24 compliance status
NOx (S14 and S15)	Condition # 24716, Part 1	Y		9 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	Condition # 24716, Part 2	Y		100 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average (fuel oil fired)	None	N	None	NA
NOx (S16 and S17)	Condition # 25080, Part 4	Y		9 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	Condition # 25080, Part 7	P/2	Source Test	Y
NOx	BAAQMD 9-7-307.5	N		9 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	BAAQMD 9-7-403 9-7-506	P/A	Source Test	Y
NOx (S14 and S15)	BAAQMD 9-7-113.2 SIP 9-7-305.1	Y		150 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	BAAQMD9 -7-113.2 SIP 9-7-306.1	Y		150 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-301.2	Y		400 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
CO	BAAQMD 9-7-307.5	N		400 ppmv @ 3%O <sub>2</sub> , 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%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-306.2	Y		400 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA

**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	4/1/24 through 9/30/24 compliance status
CO (S14 and S15)	Condition # 24716, Part 1	Y		50 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average	None	N	None	NA
CO (S14 and S15)	Condition # 24716, Part 2	Y		50 ppmv @ 3%O <sub>2</sub> , dry, 3-hr average (fuel oil fired)	None	N	None	NA
CO (S16 and S17)	Condition # 25080, Part 5	Y		50 ppmv @ 3%O <sub>2</sub> , 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
FP (S14 and S15)	BAAQMD 6-1-310.3 SIP 6-310.3	Y		0.15 gr/dscf at 6% O <sub>2</sub>	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check	NA
SO <sub>2</sub>	BAAQMD 9-1-301	Y		GLC <sup>1</sup> ≤0.5 ppm for 3 min or ≤0.25 ppm for 60 min or ≤0.05 ppm for 24 hours	None	N	None	NA
SO <sub>2</sub>	BAAQMD 9-1-302	Y		SO <sub>2</sub> shall not exceed 300 ppm (dry)	None	N	None	NA
SO <sub>2</sub>	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	Condition	Y		Natural Gas not to	Condition #	P/M	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	4/1/24 through 9/30/24 compliance status
Input (S16)	# 25080, Part 2			exceed 1,217,260 therms/Consecutive 12-months	25080, Part 3			
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
Equipment Testing	BAAQMD 9-7-113.1 SIP 9-7-306.3	Y		Hours of Equipment Testing $\leq$ 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	4/1/24 through 9/30/24 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 8-2-301	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

**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	4/1/24 through 9/30/24 compliance status
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

**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	4/1/24 through 9/30/24 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

**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	4/1/24 through 9/30/24 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
Odors	BAAQMD 1-301	N		None	BAAQMD Condition # 18329 Part 5	P/E	Records	CC
H <sub>2</sub> S	BAAQMD Regulation 9-2-301	N		0.06 ppm H <sub>2</sub> S over 3 min or 0.03 ppm H <sub>2</sub> 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

**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	4/1/24 through 9/30/24 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 <sup>1</sup> 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

**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	4/1/24 through 9/30/24 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 ≤ 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	4/1/24 through 9/30/24 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 <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y

**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	4/1/24 through 9/30/24 compliance status
				for 24 hours				
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 $\leq 0.5$ 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 $\leq 20$ /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 $\leq 50$ /yr	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records	CC

**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	4/1/24 through 9/30/24 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



**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	4/1/24 through 9/30/24 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 <sup>1</sup> 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 <sup>1</sup> 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

**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	4/1/24 through 9/30/24 compliance status
SO2 S650	BAAQMD 9-1-301	Y		GLC <sup>1</sup> 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
SO2 S660	BAAQMD 9-1-301	Y		GLC <sup>1</sup> 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

**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	4/1/24 through 9/30/24 compliance status
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
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
Emer- gency	BAAQMD 9-8-330.1	N		Unlimited Emergency Operation	BAAMQD 9-8-530	P/M	Records	CC
Emer- gency S640	Condition # 22356 Part 2	N		Unlimited Emergency Operation	Condition # 22356 Part 6	P/M	Records	CC
Emer- gency S650	Condition # 22357 Part 2	N		Unlimited Emergency Operation	Condition # 22357 Part 6	P/M	Records	CC
Emer- gency S660	Condition # 22336 Part 2	N		Unlimited Emergency Operation	Condition # 22336 Part 6	P/M	Records	CC
Emer- gency S680 S710	Condition # 22820 Part 2	N		Unlimited Emergency Operation	Condition # 22820 Part 4	P/M	Records	CC
Emer- gency S690 S700	Condition # 22825 Part 2	N		Unlimited Emergency Operation	Condition # 22825 Part 4	P/M	Records	CC
Emer- gency S670	Condition # 22850 Part 2	N		Unlimited Emergency Operation	Condition # 22850 Part 4	P/M	Records	CC

**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	4/1/24 through 9/30/24 compliance status
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
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 ≤ 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 ≤ 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 ≤ 50/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22850 Part 4	P/M	Records	CC

**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	4/1/24 through 9/30/24 compliance status
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 ≤ 20/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22820 Part 4	P/M	Records	CC
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

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

### 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
4/4/2024	10:55	0	0	0	KF/RH
5/2/2024	8:45	0	0	0	KF/RH
6/26/2024	8:05	0	0	0	KF/RH
7/12/2024	8:28	0	0	0	KF/RH
8/9/2024	10:15	0	0	0	KF/RH
9/5/2024	9:45	0	0	0	KF/RH

## **ATTACHMENT 2**

Visual Emissions Report for S-330, S-380, S-410, S-430, S-460, S-480, S-520

**SAN FRANCISCO INTL AIRPORT**  
Standby I.C. Engines Visible Emissions Evaluation Report  
San Francisco, California

Test Date(s): August 6, 8 & October 22, 2024  
Report Date: October 24, 2024

**Prepared for:**  
San Francisco International Airport (SFO)  
San Francisco, CA 94128  
Attn: Tuan Pham

**Prepared by:**  
BEST ENVIRONMENTAL (BE)  
339 Stealth Court  
Livermore, CA 94551  
Phone (925) 455-9474  
Fax (925) 455-9479  
E-Mail [bestair@best-enviro.com](mailto:bestair@best-enviro.com)

**For Submission To:**  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109



## BEST ENVIRONMENTAL

339 Stealth Court  
Livermore, California 94551  
(925) 455-9474 FAX (925) 455-9479  
E-Mail [bestair@best-enviro.com](mailto:bestair@best-enviro.com)

October 24, 2024

San Francisco International Airport (SFO)  
P.O. Box 8097  
San Francisco, CA 94128

**Attn.:** Mr. Tuan Pham

**Subject:** Compliance Visible Emissions Evaluation (VEE) of seven (7) diesel-fired standby I.C. engines located at the San Francisco International Airport.

**Test Date:** August 6, 8 & October 22, 2024.

**Sampling Location:** Emissions were observed from the engine stack outlets.

**Sampling Personnel:** Regan Best of Best Environmental (BE) performed the VEE's.

**Process Description:** SFO operates ~38 I.C. engines at various airport locations to provide emergency standby power.

**Test Program:** A single 30-minute visible emissions evaluation (VEE) test was performed on the engine outlets during startup and normal operation. Engine loads were provided from a load bank.

**Sampling Methods:** The following source test method of the United State Environmental Protection Agency was used:

EPA Method 9

Visible Emissions Evaluation

**Test Results:** The source visible emissions were within permit limits (<20% opacity or 1 Ringelmann reading). During startup and load a brief burst of emissions was observed but usually was within limit within 3-4 minutes. Visible emissions usually then dropped to near zero after ~4-6 minutes. A summary of the VEE's is shown below. Results are shown for the total evaluation period and the highest (24 reading) period.

### Test Results Summary

<b>Source I.D #</b>	<b>Source Description</b>	<b>Highest Period</b>	<b>Average Results</b>
S-330	ITB-N2	12.5%	<5%
S-380	North Field Cargo	0%	0%
S-410	Parking Lot DD	<5%	<5%
S-430	South Parking Garage	8.5%	5%
S-460	TG-3	25.6%	9.1%
S-480	West Field Parking	<5%	<5%
S-520	TG-2	24.2%	8.9%

**Comments:** Field data sheet, digital images of the source outlets and Visible Emissions Certificate are appended to this report.

Visible emission readings were recorded in Ringlemann units (1-5) but are shown as percentages in the summary for ease of understanding.

The details and results contained within this report are to the best of BE's knowledge, an authentic and accurate representation of the test program. If this report is submitted for compliance purposes, it should only be reproduced in its entirety. If you have any questions concerning this report or if Best Environmental can be of any further assistance, please contact me at (925) 455-9474 X 102.

Submitted by,



Regan Best  
Source Test Manager

# **APPENDICES**

**APPENDIX A - FIELD DATA SHEETS**

**APPENDIX B - VEE CERTIFICATION**

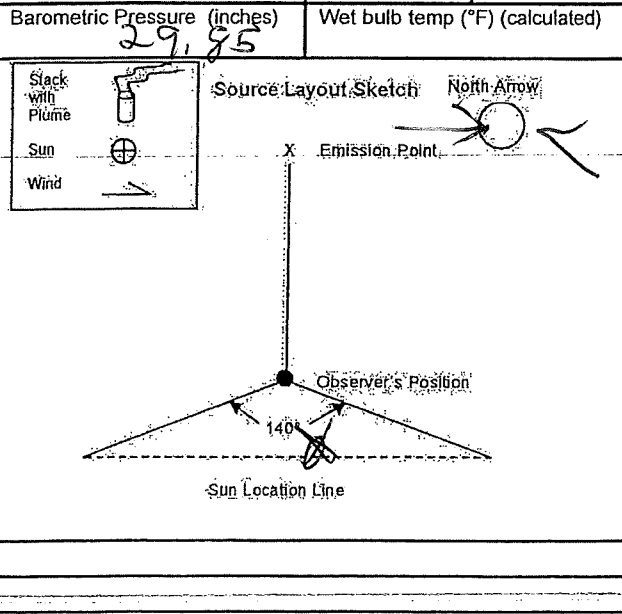
**APPENDIX C – DIGITAL IMAGES**

**APPENDIX A**  
**FIELD DATA SHEETS**

Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>			OBSERVATION DATE <b>8/8/24</b>				START TIME <b>0903</b>		END TIME <b>0933</b>			
Street Address			Sec→ Min↓	0	15	30	45	Sec→ Min↓	0	15	30	45
City <b>SF</b>	State <b>CA</b>	Zip <b>94128</b>	1	0	0	2	0	31				
Phone <b>(650) 465-4263</b>	Source ID Number <b>S-330 TB-N2</b>		2	0	0	0	0	32				
Process Equipment <b>375KW</b>	Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		3	0	1/2	1/2	1	33				
Control Equipment: <b>~</b>	Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		4	0	1/2	3/4	1/2	34				
Describe Emissions Point: <b>Stack outlet</b>	5		5	1/2	1/2	1/2	1/2	35				
	6		6	1/2	1/2	1/2	1/2	36				
Height Above Ground Level	Height Relative To Observer <b>~6'</b>		7	1/2	1/4	1/4	1/4	37				
	8		8	1/4	1/4	1/4	0	38				
Distance from Observer <b>~15'</b>	Direction from Observer <b>W</b>		9	0	0	0	0	39				
	10		10	0	0	0	0	40				
Describe Emissions: <b>N/A - None present</b> <input type="checkbox"/> <b>Upon start up</b>	11		11	0	0	0	0	41				
	12		12	0	0	0	0	42				
Emission Color: <b>NA</b> <input type="checkbox"/> <b>Blk</b>	Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>		13	0	0	0	0	43				
	14		14	0	0	0	0	44				
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/>		15	0	0	0	0	45				
	16		16	0	0	0	0	46				
Point in the plume at which opacity was observed: <b>NA</b> <input checked="" type="checkbox"/>	17		17	0	0	0	0	47				
	18		18	0	0	0	0	48				
Describe Plume Background: Start: <b>SKY</b> Stop: <b>1 11</b>	19		19	0	0	0	0	49				
	20		20	0	0	0	0	50				
Background Color: <b>white</b>	Sky Conditions: <b>SCT</b>		21	0	0	0	0	51				
	22		22	0	0	0	0	52				
Wind Speed: (mph) <b>0-10</b>	Wind Direction: <b>NE</b>		23	0	0	0	0	53				
	24		24	0	0	0	0	54				
Ambient Temp: (°F) <b>66</b>	Dew Point (°F)		25	0	0	0	0	55				
	RH %		26	0	0	0	0	56				
Barometric Pressure (inches) <b>29.85</b>	Wet bulb temp (°F) (calculated)		27	0	0	0	0	57				
	28		28	0	0	0	0	58				



Observers Name: (Print) **Regan Best**

Observers Signature: *Regan Best* Date: **8/8/24**

Organization: **Best Environmental**

Certified By: CARB - ID# **12138** expires **8/26** Date: **8/26/24**

Average Opacity for Highest Period: **12.5** avg **2.8** Number of readings above **10** % were **7**

Range of Opacity Readings  
Minimum: **0** Maximum: **2**

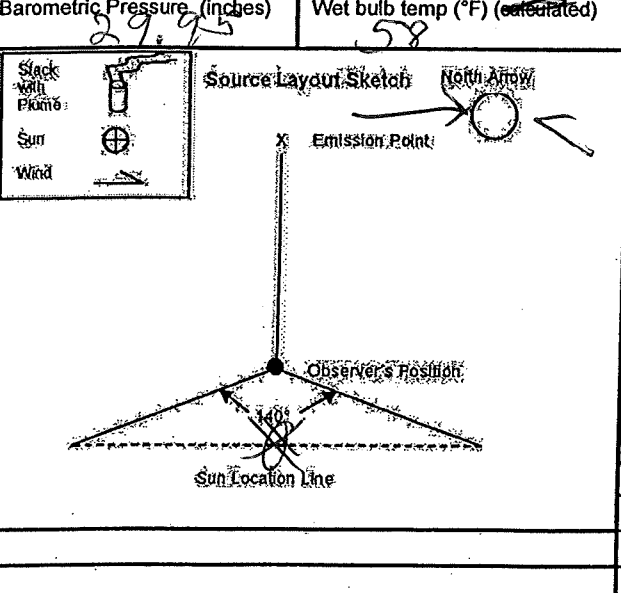
CONTINUED ON VEO Form Number # \_\_\_\_\_ of \_\_\_\_\_ or NA

Additional Information:  
**250 kw load**

Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>			OBSERVATION DATE <b>8/16/24</b>				START TIME <b>0837</b>		END TIME <b>0907</b>			
Street Address			Sec→ Min↓	0	15	30	45	Sec→ Min↓	0	15	30	45
City <b>SF</b>	State <b>CA</b>	Zip <b>94128</b>	1	0	0	0	0	1				
Phone <b>(510) 821-7730</b>	Source ID Number <b>5380 North Field Camp</b>		2	0	0	0	0	2				
Process Equipment <b>53.6 kW</b>		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>	3	0	0	0	0	3				
Control Equipment:		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>	4	0	0	0	0	4				
Describe Emissions Point: <b>Stack Outlet</b>			5	0	0	0	0	5				
Height Above Ground Level <b>~6'</b>		Height Relative To Observer <b>~2'</b>	6	0	0	0	0	6				
Distance from Observer <b>~50'</b>		Direction from Observer <b>W</b>	7	0	0	0	0	7				
Describe Emissions: <b>N/A - None present</b> <input checked="" type="checkbox"/>			8	0	0	0	0	8				
Emission Color: <b>NA</b> <input checked="" type="checkbox"/>	Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>		9	0	0	0	0	9				
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/>		10	0	0	0	0	10				
Point in the plume at which opacity was observed: <b>NA</b> <input checked="" type="checkbox"/>			11	0	0	0	0	11				
Describe Plume Background: Start: <b>Bldg</b> Stop: <b>" "</b>			12	0	0	0	0	12				
Background Color: <b>Tan</b>	Sky Conditions: <b>OVC</b>		13	0	0	0	0	13				
Wind Speed: (mph) <b>0-3</b>	Wind Direction: <b>NE</b>		14	0	0	0	0	14				
Ambient Temp: (°F) <b>61</b>	Dew Point (°F)	RH% <b>83</b>	15	0	0	0	0	15				
Barometric Pressure (Inches) <b>29.95</b>	Wet bulb temp (°F) (calculated) <b>58</b>		16	0	0	0	0	16				



Observers Name: (Print) **Pegan Best**

Observers Signature: **Pegan Best** Date: **8/16/24**

Organization: **Best Environmental**

Certified By: CARB - ID# **02138** expires **08/16/25** Date: **8/16/24**

Average Opacity for Highest Period: **0** Number of readings above **10** % were **0**

Range of Opacity Readings  
Minimum: **0** Maximum: **0**

CONTINUED ON VEO Form Number # \_\_\_\_\_ of \_\_\_\_\_ or **NA**

Additional Information:  
**Load 40 kW (bank)**

Visible Emission Observation Form

# 1 of 1

COMPANY NAME **SFO**

OBSERVATION DATE **8/16/24**

START TIME **1024**

END TIME **1054**

Street Address

Sec→	0	15	30	45	Sec→	0	15	30	45
Min↓					Min↓				

City **SF** State **CA** Zip **94128**

1	1	3	4	4	1				
2	1	4	4	0	2				

Phone **(650) 821-7230** Source ID Number **5-410 Lot/DD**

3	0	0	0	0	3				
4	0	0	0	0	4				

Process Equipment **275 KW** Operating Mode Normal  Other

5	0	0	0	0	5				
6	0	0	0	0	6				

Control Equipment: Operating Mode Normal  Other

7	0	0	0	0	7				
8	0	0	0	0	8				

Describe Emissions Point: **Stack Outlet**

9	0	0	0	0	9				
10	0	0	0	0	10				

Height Above Ground Level **~8'** Height Relative To Observer **~4'**

11	0	0	0	0	11				
12	0	0	0	0	12				

Distance from Observer **~20'** Direction from Observer **E**

13	0	0	0	0	13				
14	0	0	0	0	14				

Describe Emissions: **N/A - None present**

15	0	0	0	0	15				
16	0	0	0	0	16				

Emission Color: **NA**  Plume Type: Continuous  Fugitive  Attached  Detached  **NA**  Intermittent

17	0	0	0	0	17				
18	0	0	0	0	18				

Water droplets present: **No**  Yes  IF Water Droplet Plume: Attached  Detached  **NA**

19	0	0	0	0	19				
20	0	0	0	0	20				

Point in the plume at which opacity was observed: **NA**

21	0	0	0	0	21				
22	0	0	0	0	22				

Describe Plume Background: Start: **Ceiling** Stop: **" "**

23	0	0	0	0	23				
24	0	0	0	0	24				

Background Color: **Grey** Sky Conditions: **CLR**

25	0	0	0	0	25				
26	0	0	0	0	26				

Wind Speed: (mph) **NA** Wind Direction: **NA**

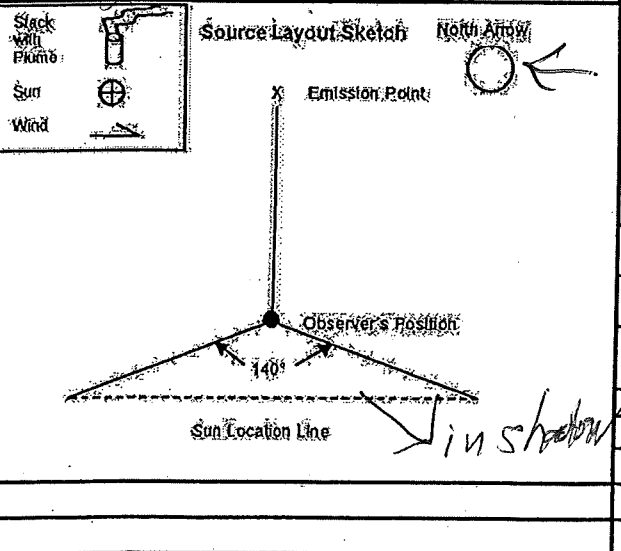
27	0	0	0	0	27				
28	0	0	0	0	28				

Ambient Temp: (°F) **66** Dew Point (°F) **80** RH % **80**

29	0	0	0	0	29				
30	0	0	0	0	30				

Barometric Pressure (inches) **29.95** Wet bulb temp (°F) (calculated) **62**

Observers Name: (Print) **Degan Best**



Observers Signature: **Degan Best** Date: **8/16/24**

Organization: **Best Environmental**

Certified By: **02138** CARB - ID# **02138** expires **08/15/25** Date: **8/16/24**

Average Opacity for Highest Period **25** **65** Number of readings above **10** % were **2**

Range of Opacity Readings Minimum: **7** Maximum: **1**

CONTINUED ON VEO Form Number # \_\_\_\_\_ of \_\_\_\_\_ or **NA**

Additional Information:

**220 KW 1099**

Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>				OBSERVATION DATE <b>8/18/24</b>				START TIME <b>10:28</b>				END TIME <b>10:58</b>					
Street Address				Sec→	0	15	30	45	Sec→	0	15	30	45	Min↓			
City <b>SF</b>	State <b>CA</b>	Zip <b>94128</b>		1	<b>1/4</b>	<b>1/2</b>	<b>3/4</b>	<b>1/2</b>	1								
Phone <b>(510) 821-7730</b>		Source ID Number <b>S-430 Parking Garage</b>		2	<b>1/2</b>	<b>1/2</b>	<b>1/2</b>	<b>1/2</b>	2								
Process Equipment <b>450 kW</b>		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		3	<b>1/2</b>	<b>1/2</b>	<b>1/2</b>	<b>1/2</b>	3								
Control Equipment:		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		4	<b>1/4</b>	<b>1/2</b>	<b>1/2</b>	<b>1/2</b>	4								
Describe Emissions Point: <b>Stack Outlet</b>				5	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	5								
Height Above Ground Level <b>~100'</b>		Height Relative To Observer <b>~12'</b>		6	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	6								
Distance from Observer <b>~100</b>		Direction from Observer <b>W</b>		7	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	7								
Describe Emissions: <b>N/A - None present</b> <input type="checkbox"/> <b>~ constant 1/4</b>				8	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	8								
Emission Color: <b>NA</b> <input type="checkbox"/> <b>Blk</b>		Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>		9	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	9								
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> <b>NA</b> <input checked="" type="checkbox"/>		10	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	10								
Point in the plume at which opacity was observed: <b>NA</b> <input type="checkbox"/>				11	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	11								
Describe Plume Background: Start: <b>SKY</b> Stop: <b>'' ''</b>				12	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	12								
Background Color: <b>white</b>		Sky Conditions: <b>SCY</b>		13	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	13								
Wind Speed: (mph) <b>0-8</b>		Wind Direction: <b>W</b>		14	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	14								
Ambient Temp: (°F)		Dew Point (°F) RH %		15	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	15								
Barometric Pressure (inches) <b>29.85</b>		Wet bulb temp (°F) (estimated)		16	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	16								

Observers Name: (Print) **Oregon Best**

Observers Signature: *Oregon Best* Date: **8/18/24**

Organization: **Best Environmental**

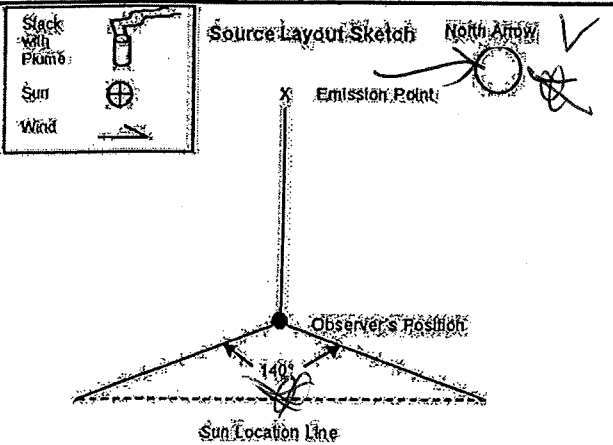
Certified By: CARB - ID# **02138** expires **11/16/25** Date: **8/18/24**

Average Opacity for Highest Period **8.5** over **4.7** Number of readings above **10** % were **3**

Range of Opacity Readings  
Minimum: **1/4** Maximum: **1 1/2**

CONTINUED ON VEO Form Number # \_\_\_\_\_ of \_\_\_\_\_ or **NA**

Additional Information:  
**300 kW located**

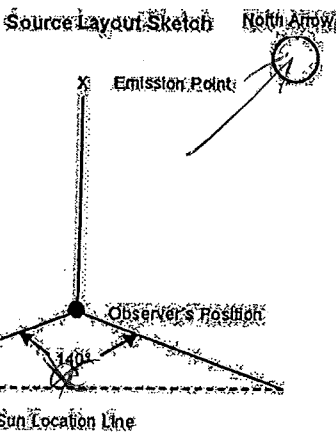
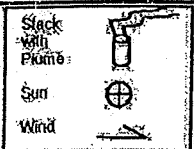




Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>				OBSERVATION DATE <b>10/22/24</b>				START TIME <b>0953</b>				END TIME <b>1023</b>			
Street Address				Sec→ Min↓	0	15	30	45	Sec→ Min↓	0	15	30	45		
City <b>SF</b>	State <b>CA</b>	Zip <b>94128</b>		1	2	3	4	5	6	7	8	9	10		
Phone <b>(508) 21-7730</b>		Source ID Number <b>TQ-3 S-460</b>		2	3	4	5	6	7	8	9	10	11		
Process Equipment <b>TQ-3</b>				Operating Mode Normal <input checked="" type="checkbox"/> Other <input type="checkbox"/>				5	6	7	8	9	10	11	
Control Equipment:				Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>				6	7	8	9	10	11	12	
Describe Emissions Point: <b>Stack Outlet</b>				7	8	9	10	11	12	13	14	15	16		
Height Above Ground Level <b>-2'</b>		Height Relative To Observer <b>0</b>		8	9	10	11	12	13	14	15	16	17		
Distance from Observer <b>~90'</b>		Direction from Observer <b>NW</b>		9	10	11	12	13	14	15	16	17	18		
Describe Emissions: <b>N/A - None present</b> <input type="checkbox"/>				10	11	12	13	14	15	16	17	18	19		
Emission Color: <b>NA</b> <input type="checkbox"/>		Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/>		11	12	13	14	15	16	17	18	19	20		
<b>Blk</b>		Attached <input type="checkbox"/> Detached <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>		12	13	14	15	16	17	18	19	20	21		
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> NA <input checked="" type="checkbox"/>		13	14	15	16	17	18	19	20	21	22		
Point in the plume at which opacity was observed: <b>NA</b> <input checked="" type="checkbox"/>				14	15	16	17	18	19	20	21	22	23		
Describe Plume Background: Start: <b>Wall</b> Stop: <b>11</b>				15	16	17	18	19	20	21	22	23	24		
Background Color: <b>white</b>		Sky Conditions: <b>CLR</b>		16	17	18	19	20	21	22	23	24	25		
Wind Speed: (mph) <b>—</b>		Wind Direction: <b>—</b>		17	18	19	20	21	22	23	24	25	26		
Ambient Temp: (°F) <b>63</b>		Dew Point (°F) <b>69</b>		18	19	20	21	22	23	24	25	26	27		
RH % <b>69</b>		Barometric Pressure (inches) <b>30.10</b>		19	20	21	22	23	24	25	26	27	28		
Wet bulb temp (°F) (calculated) <b>57</b>		Observers Name: (Print) <b>Degan Best</b>		20	21	22	23	24	25	26	27	28	29		

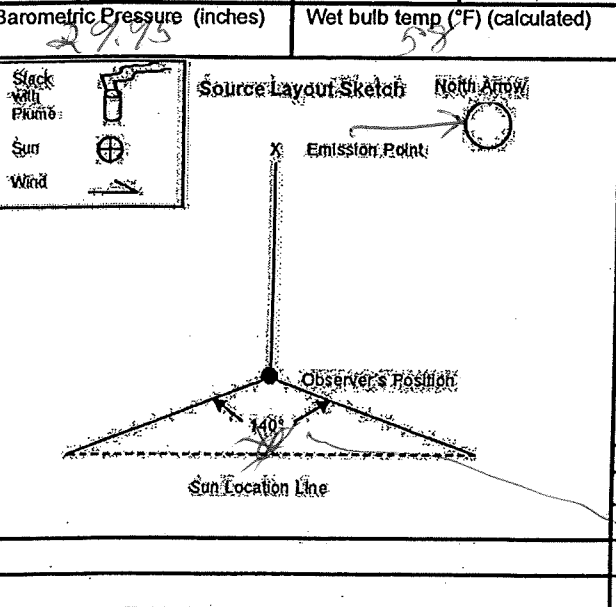


Observers Signature: <b>Degan Best</b>	Date: <b>10/22/24</b>
Organization: <b>Best Environmental</b>	
Certified By: CARB - ID# <b>4865</b> expires <b>10/26/24</b>	Date: <b>8/22/24</b>
Average Opacity for Highest Period: <b>25.6</b> ave <b>9.1</b>	Number of readings above <b>19</b> % were <b>19</b>
Range of Opacity Readings Minimum: <b>14</b> Maximum: <b>3</b>	
CONTINUED ON VEO Form Number # _____ of _____ or <b>NA</b> <input checked="" type="checkbox"/>	
Additional Information:  <b>405 Kw load</b>	

Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>			OBSERVATION DATE <b>8/6/24</b>				START TIME <b>0932</b>		END TIME <b>1002</b>			
Street Address			Sec→	0	15	30	45	Sec→	0	15	30	45
City <b>SF</b>			Min↓					Min↓				
State <b>CA</b>			1	0	0	0	0	1				
Zip <b>94128</b>			2	0	0	0	0	2				
Phone <b>(510) 821-7730</b>		Source ID Number <b>West 5-488 Field Parking</b>		3	0	0	0	0	3			
Process Equipment <b>230 kW</b>		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		4	0	0	0	0	4			
Control Equipment:		Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>		5	0	0	0	0	5			
Describe Emissions Point: <b>Stack Outlet</b>			6	0	0	0	0	6				
Height Above Ground Level <b>~ 40'</b>		Height Relative To Observer <b>0</b>		7	0	0	0	0	7			
Distance from Observer <b>~ 20'</b>		Direction from Observer <b>W</b>		8	0	0	0	0	8			
Describe Emissions: <b>N/A - None present</b> <input checked="" type="checkbox"/>			9	0	0	0	0	9				
Emission Color: <b>NA</b> <input type="checkbox"/>			10	0	0	0	0	10				
Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/>			11	0	0	0	0	11				
Attached <input type="checkbox"/> Detached <input type="checkbox"/>			12	0	0	0	0	12				
NA <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>			13	0	0	0	0	13				
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/>		14	0	0	0	0	14			
NA <input checked="" type="checkbox"/>		NA <input checked="" type="checkbox"/>		15	0	0	0	0	15			
Point in the plume at which opacity was observed: <b>NA</b> <input checked="" type="checkbox"/>			16	0	0	0	0	16				
Describe Plume Background: Start: <b>Bldg</b> Stop: <b>" "</b>			17	0	0	0	0	17				
Background Color: <b>Blue</b>		Sky Conditions: <b>CLR</b>		18	0	0	0	0	18			
Wind Speed: (mph) <b>-</b>		Wind Direction:		19	0	0	0	0	19			
Ambient Temp: (°F) <b>63</b>		Dew Point (°F)	RH %	20	0	0	0	0	20			
Barometric Pressure (inches) <b>29.95</b>		Wet bulb temp (°F) (calculated) <b>58</b>	Observers Name: (Print) <b>Peggy Best</b>	21	0	0	0	0	21			

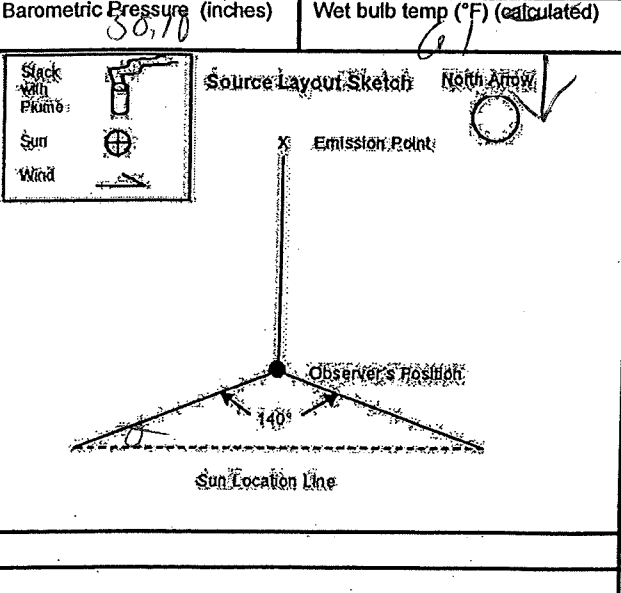


Observers Signature: <b>Peggy Best</b>	Date: <b>8/6/24</b>
Organization: <b>Best Environmental</b>	
Certified By: CARB - ID# <b>07138</b> expires <b>12/31/25</b>	Date: <b>8/28/24</b>
Average Opacity for Highest Period: <b>55</b>	Number of readings above % were: <b>10</b>
Range of Opacity Readings Minimum: <b>0</b> Maximum: <b>12</b>	
CONTINUED ON VEO Form Number # _____ of _____ or <b>NA</b> <input checked="" type="checkbox"/>	
Additional Information: <b>In shadow, view from Garage Ind. Area</b>	
<b>230 kW load rated</b>	
<b>172 load</b>	

Visible Emission Observation Form

# 1 of 1

COMPANY NAME <b>SFO</b>			OBSERVATION DATE <b>10/22/24</b>		START TIME <b>1329</b>		END TIME <b>1359</b>					
Street Address			Sec→ Min↓	0	15	30	45	Sec→ Min↓	0	15	30	45
City <b>SF</b>	State <b>CA</b>	Zip <b>94128</b>	1	0	1	0	1	1				
Phone <b>(508) 21-7230</b>	Source ID Number <b>S-50</b>		2	0	2	1	2	2				
Process Equipment <b>79-2</b>		Operating Mode Normal <input checked="" type="checkbox"/> Other <input type="checkbox"/>	3	1	1	2	2	3				
Control Equipment:			Operating Mode Normal <input type="checkbox"/> Other <input type="checkbox"/>	4	2	2	2	2	4			
Describe Emissions Point: <b>Stack Outlet</b>				5	2	1	1	1	5			
Height Above Ground Level <b>~2'</b>		Height Relative To Observer	6	1	1	1	1	6				
Distance from Observer <b>~40'</b>			Direction from Observer <b>WS</b>	7	1	1	1	1	7			
Describe Emissions: <input checked="" type="checkbox"/> N/A - None present				8	1	1	1	1	8			
Emission Color: <input checked="" type="checkbox"/> NA <input type="checkbox"/> <b>Blk</b>		Plume Type: Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Attached <input type="checkbox"/> Detached <input type="checkbox"/> <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/>	9	1	1	1	1	9				
Water droplets present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>			IF Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> <input checked="" type="checkbox"/> NA <input type="checkbox"/>	10	1	1	1	1	10			
Point in the plume at which opacity was observed: <input checked="" type="checkbox"/> NA <input type="checkbox"/>				11	1	1	1	1	11			
Describe Plume Background: Start: <b>White Green</b> Stop: <b>ll ll</b>			12	1	1	1	1	12				
Background Color: <b>Wall/Foliage</b>		Sky Conditions: <b>Clr</b>	13	1	1	1	1	13				
Wind Speed: (mph)			Wind Direction:	14	1	1	1	1	14			
Ambient Temp: (°F) <b>68</b>		Dew Point (°F)		15	1	1	1	1	15			
Barometric Pressure (inches) <b>30.10</b>			RH % <b>67</b>	16	1	1	1	1	16			
Wet bulb temp (°F) (calculated) <b>61</b>		Observers Name: (Print) <b>Peggy Best</b>		17	1	1	1	1	17			



Observers Signature: <b>Peggy Best</b>	Date: <b>10/22/24</b>
Organization: <b>Best Environmental</b>	
Certified By: CARB - ID# <b>4865</b> expires <b>3/31/25</b>	Date: <b>8/22/24</b>
Average Opacity for Highest Period <b>24.2 avg 8.9</b>	Number of readings above <b>10</b> % were <b>17</b>
Range of Opacity Readings Minimum: <b>1</b> Maximum: <b>2</b>	
CONTINUED ON VEO Form Number # _____ of _____ or NA <input checked="" type="checkbox"/>	
Additional Information: <b>100 ft (valued 150)</b> <b>in shadow</b>	

**APPENDIX B**  
**VEE CERTIFICATION**



Air Quality Training Program

*Awards This Certificate To*

**Regan Best**

*For Completion Of*

**MM106 - Visible Emissions Evaluation: Day Certification**

*In*  
Sacramento

*On*  
Wednesday, June 26, 2024

This certificate expires six months after the evaluation completion date.

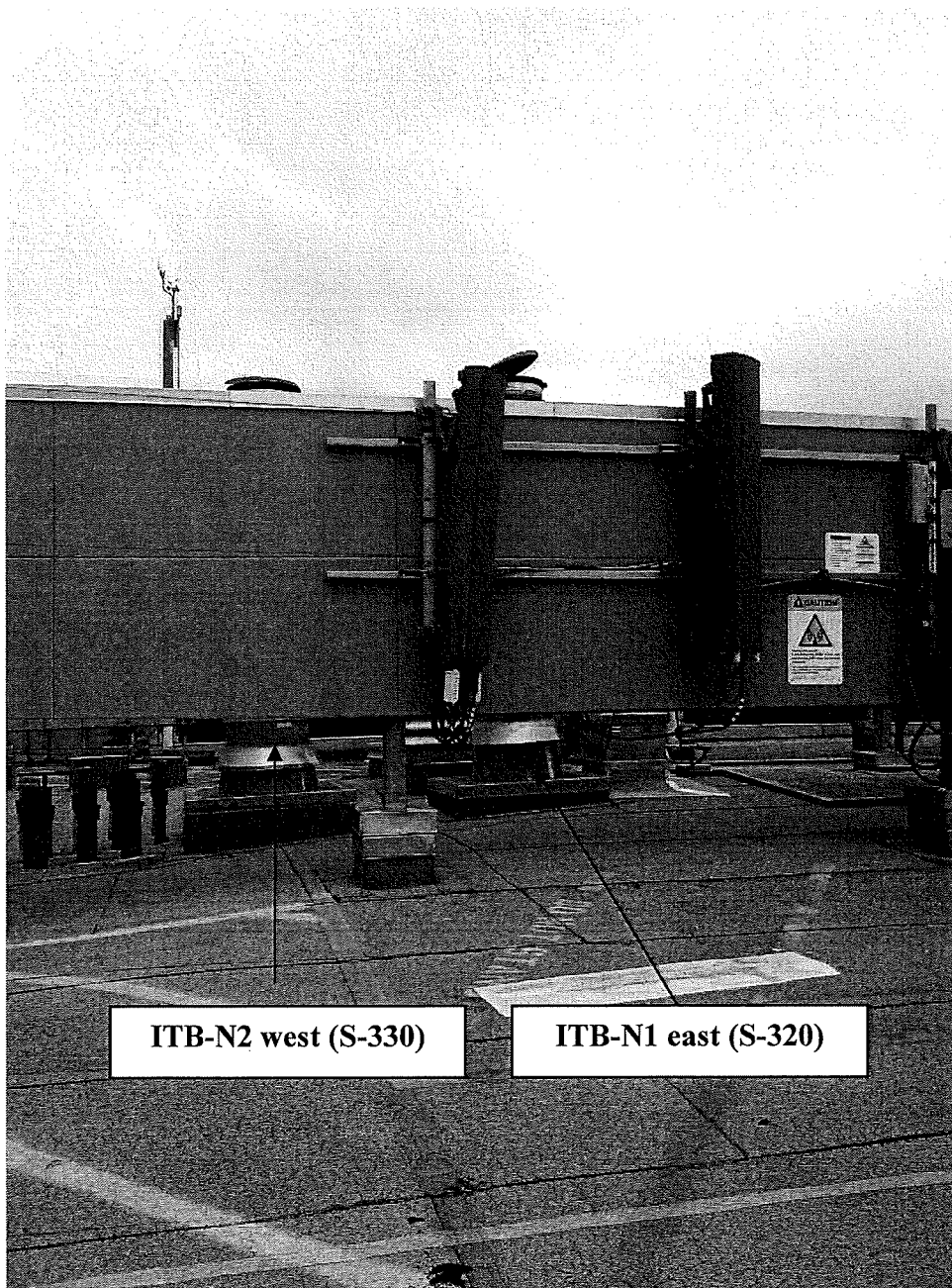
A handwritten signature in black ink, appearing to read 'Heather Quiros', written over a horizontal line.

Heather Quiros, Chief  
Enforcement Division

**APPENDIX C**  
**DIGITAL IMAGES**

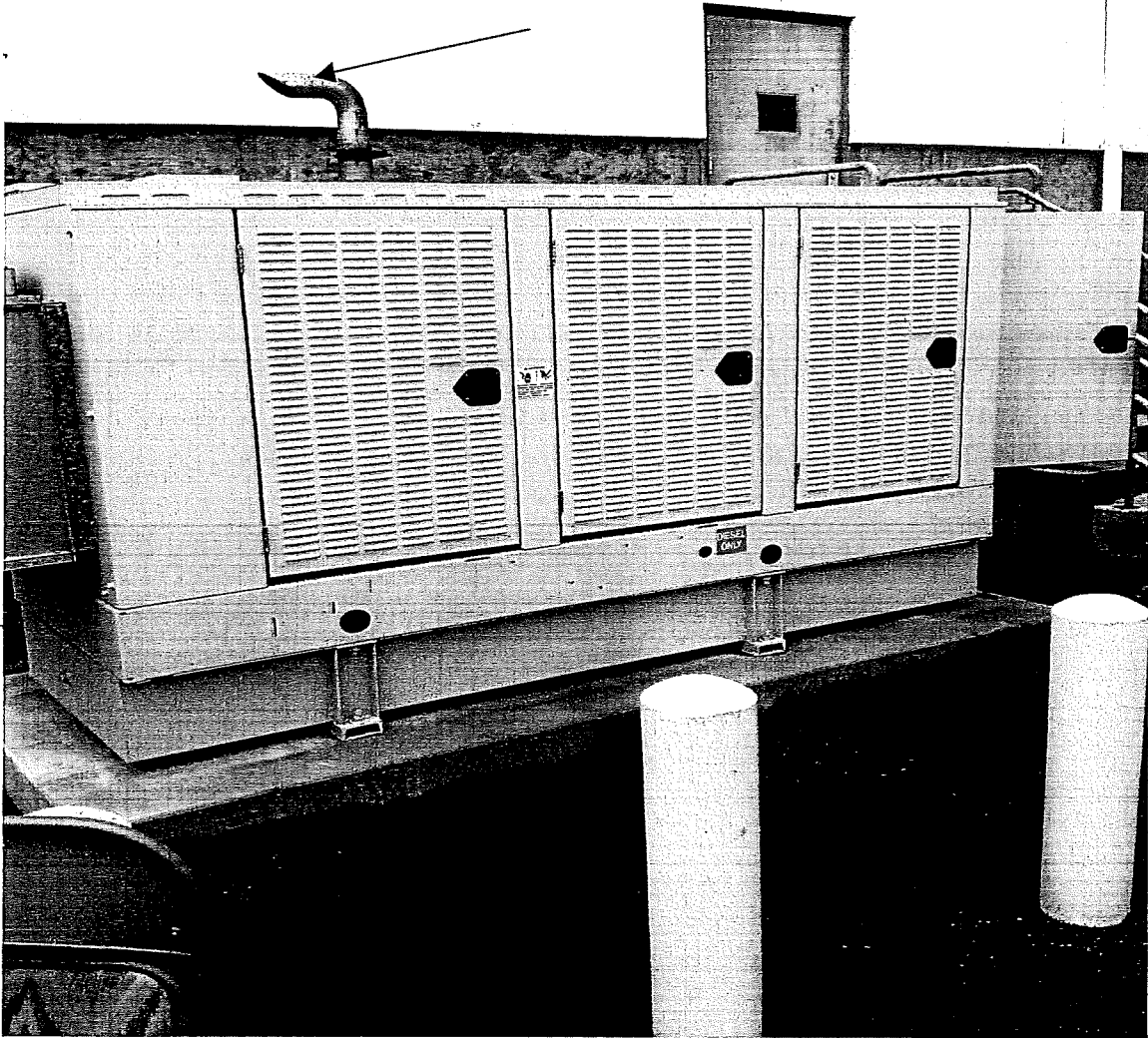
# **San Francisco International Airport**

## **San Francisco, CA**



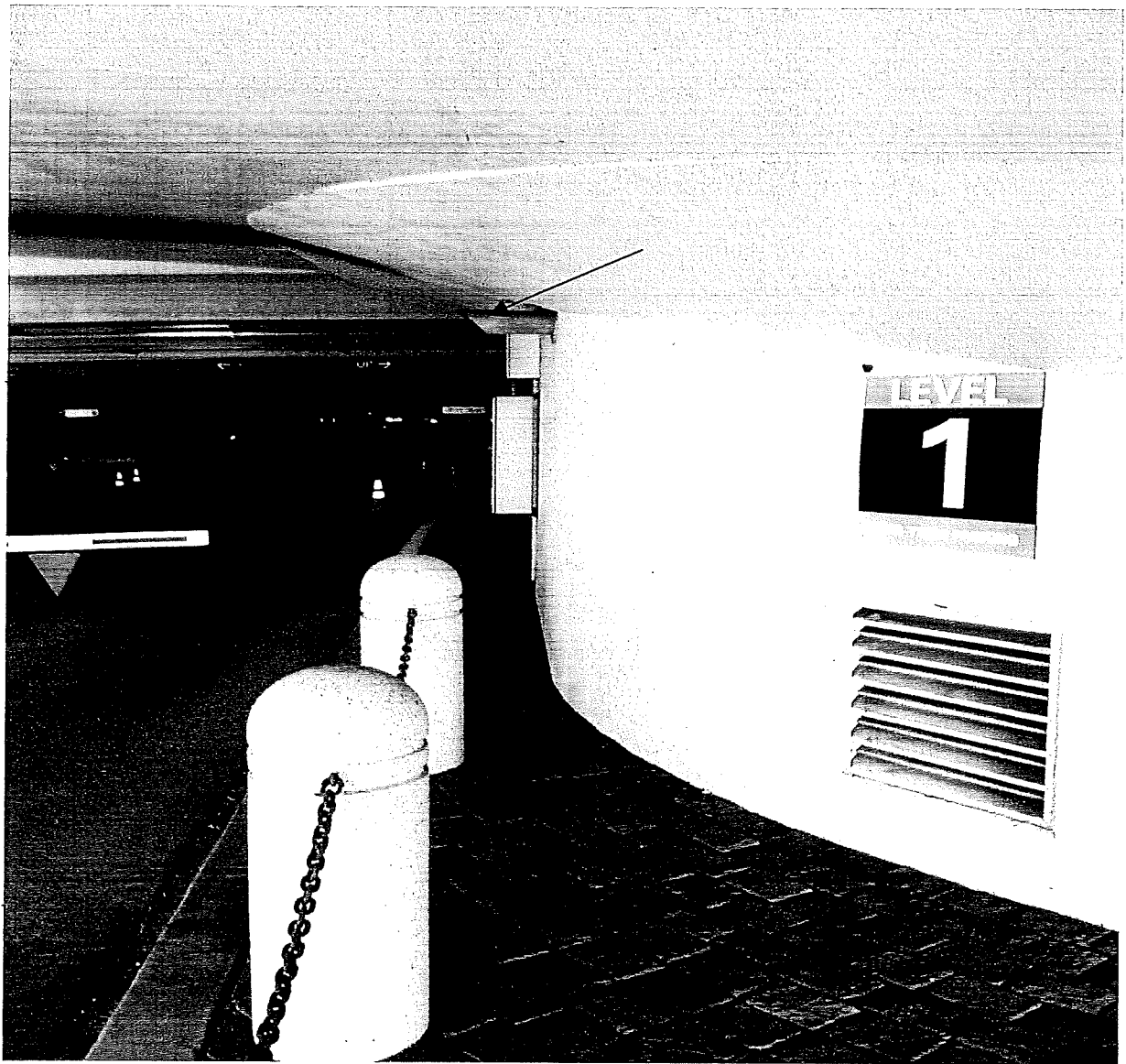
**ITB-N2 west (S-330)**

**ITB-N1 east (S-320)**



S-380

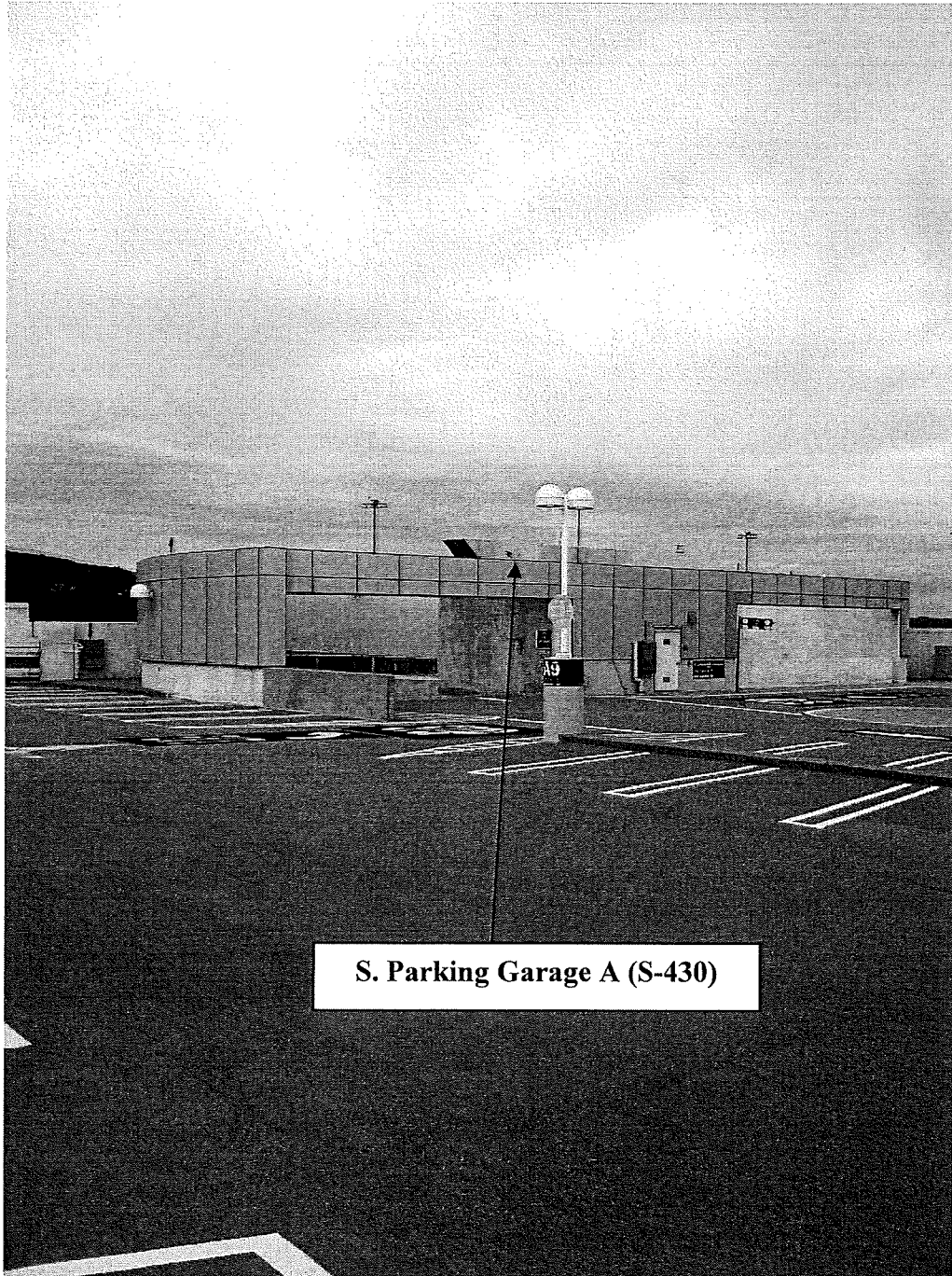




S-410

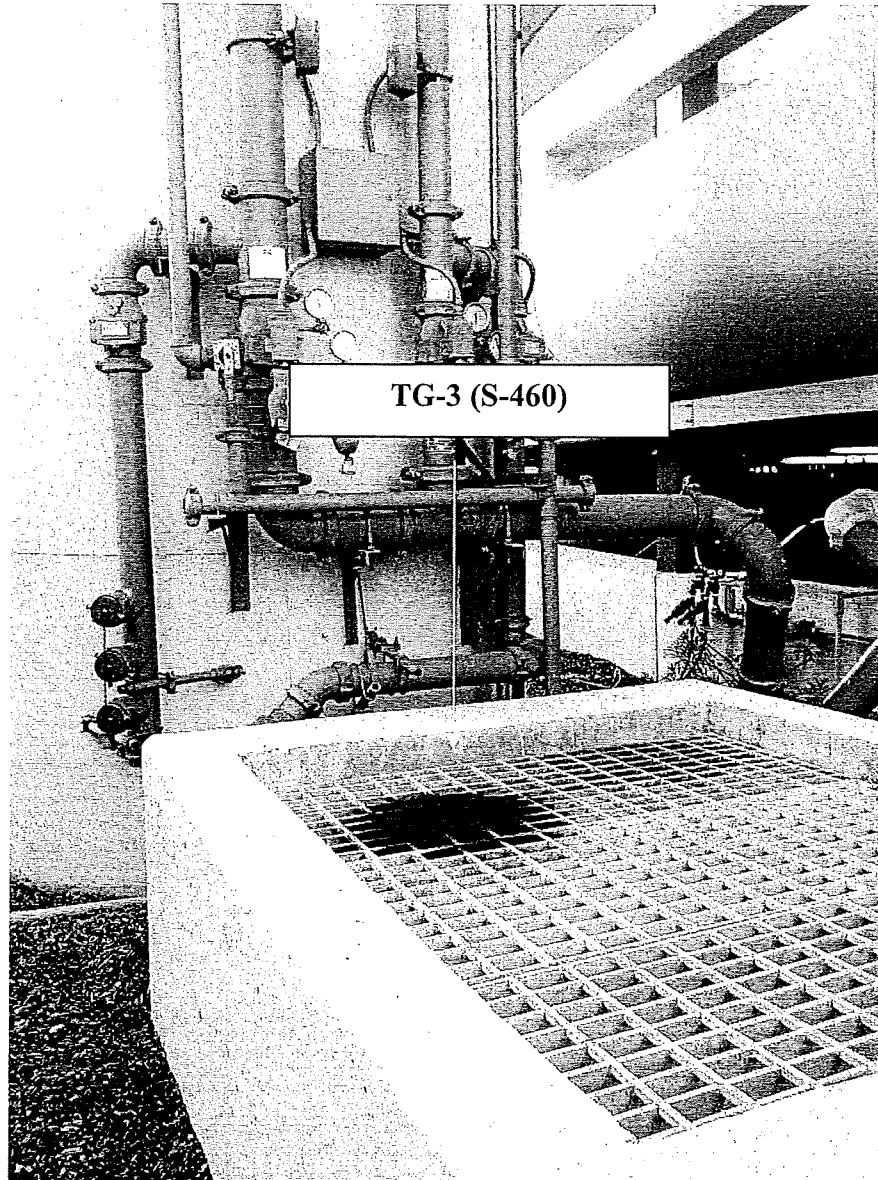
# **San Francisco International Airport**

## **San Francisco, CA**

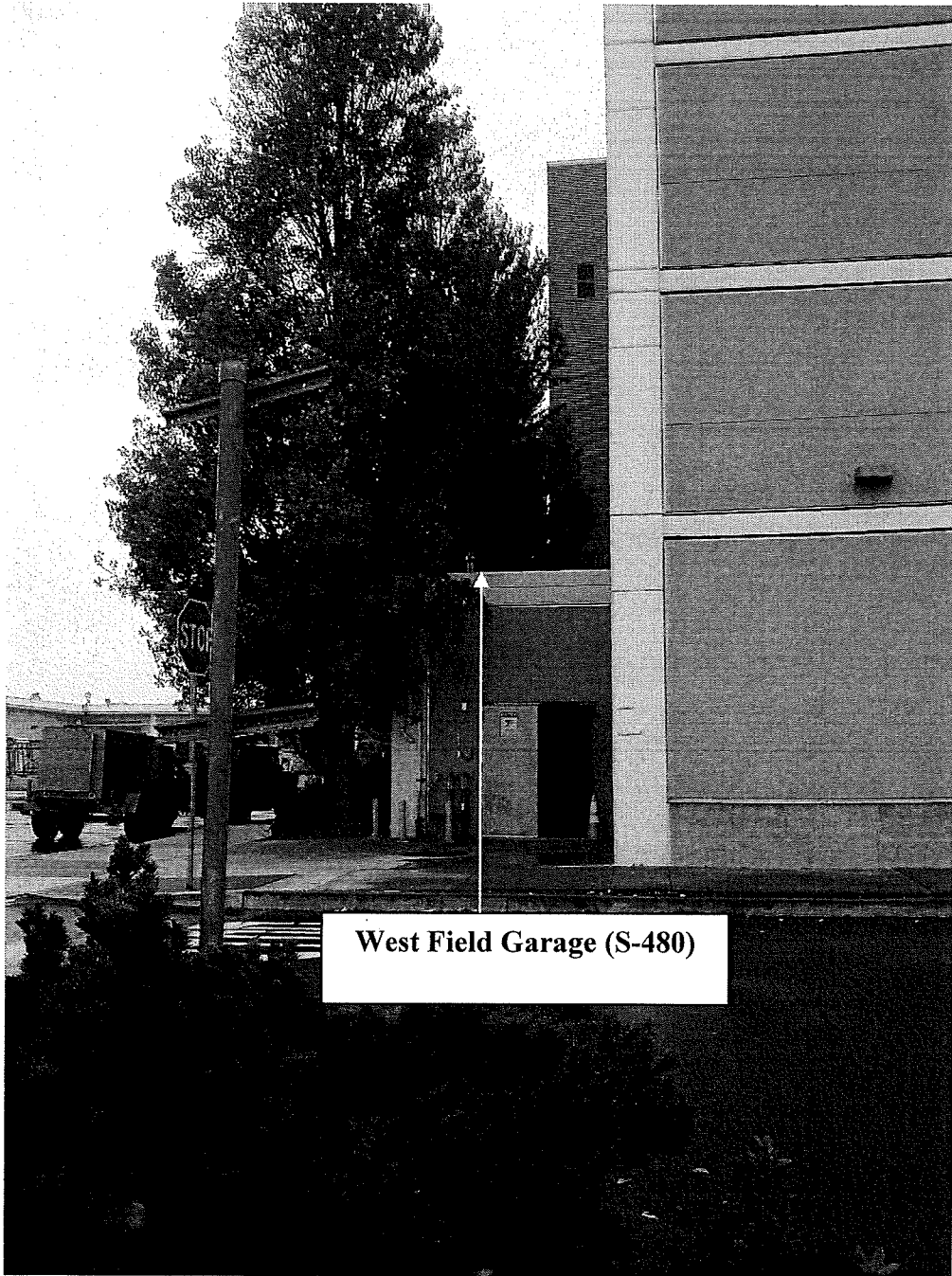


**S. Parking Garage A (S-430)**

**San Francisco International Airport  
San Francisco, CA**



**San Francisco International Airport  
San Francisco, CA**



**West Field Garage (S-480)**

# **San Francisco International Airport**

## **San Francisco, CA**



## ATTACHMENT 3

### 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; when > 450PPM weekly measurements until < 450PPM for 3 Mo.**

*Method:* CMS Analyzer, Draeger, using  
**Hydrogen sulfide chips 2-50 ppm, 20-500 ppm, and 100-2500 ppm**

Date	Time	Hydrogen Sulfide (ppm)	H2S Monitor	H2S chip Batch Lot	Analysts
4/4/2024	13:35	266	ARRJ-3458	ARRH-0992	KF/RH
5/2/2024	9:30	397	ARUA-0137	ARPJ-0571	KF/RH
6/26/2024	10:00	391	ARUA-0137	ARPJ-0571	KF/RH
7/12/2024	9:10	435	ARRJ-3458	ARRH-0992	KF/RH
8/9/2024	8:50	386	ARRJ-3458	ARRH-0992	KF/RH
9/5/2024	9:40	445	ARRJ-3458	ARRK-0311	KF/RH

## ATTACHMENT 4

### 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, 2024 through September 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	CC
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	CC
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	CC
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

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